
International® eMV Series
Built 8/3/2021 To 12/31/2025
Interactive Schematics PDF

International Motors, LLC*
2701 International Drive, Lisle, 60532 USA

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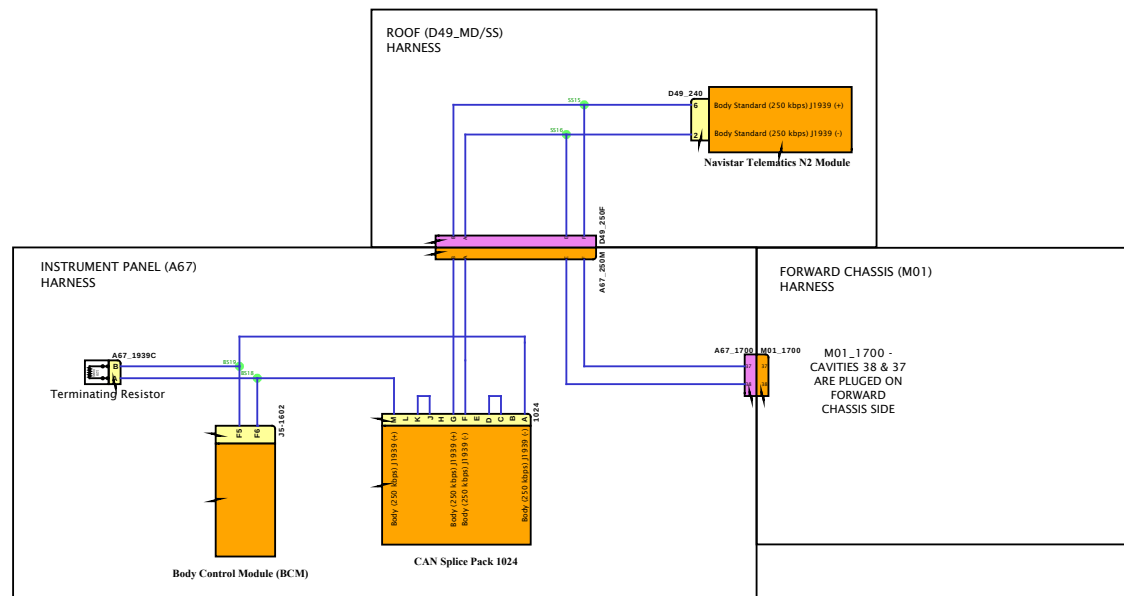
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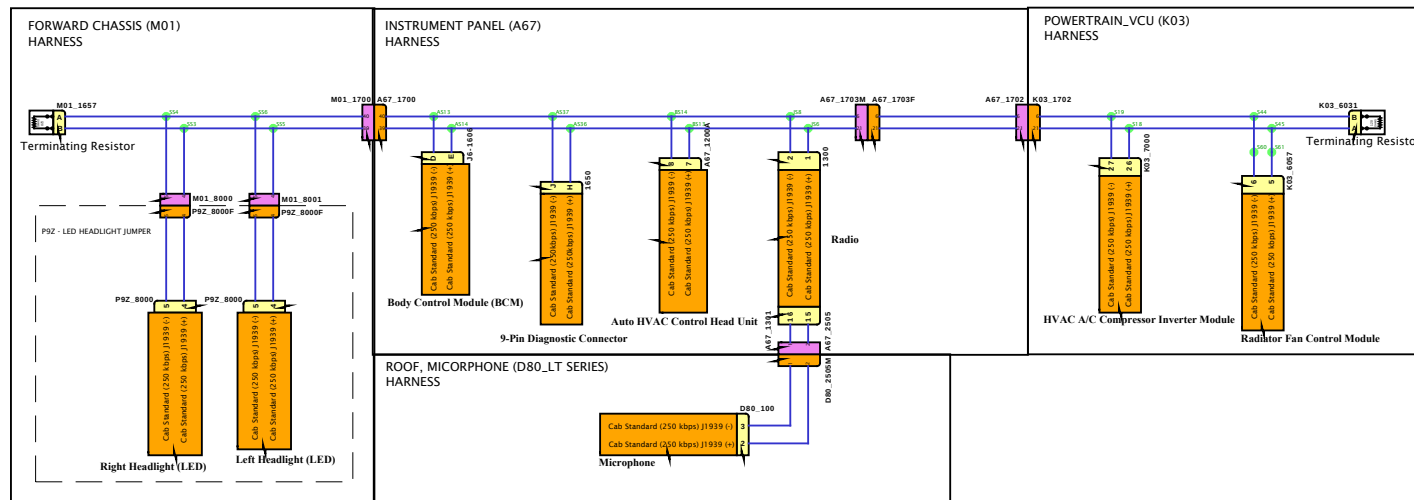
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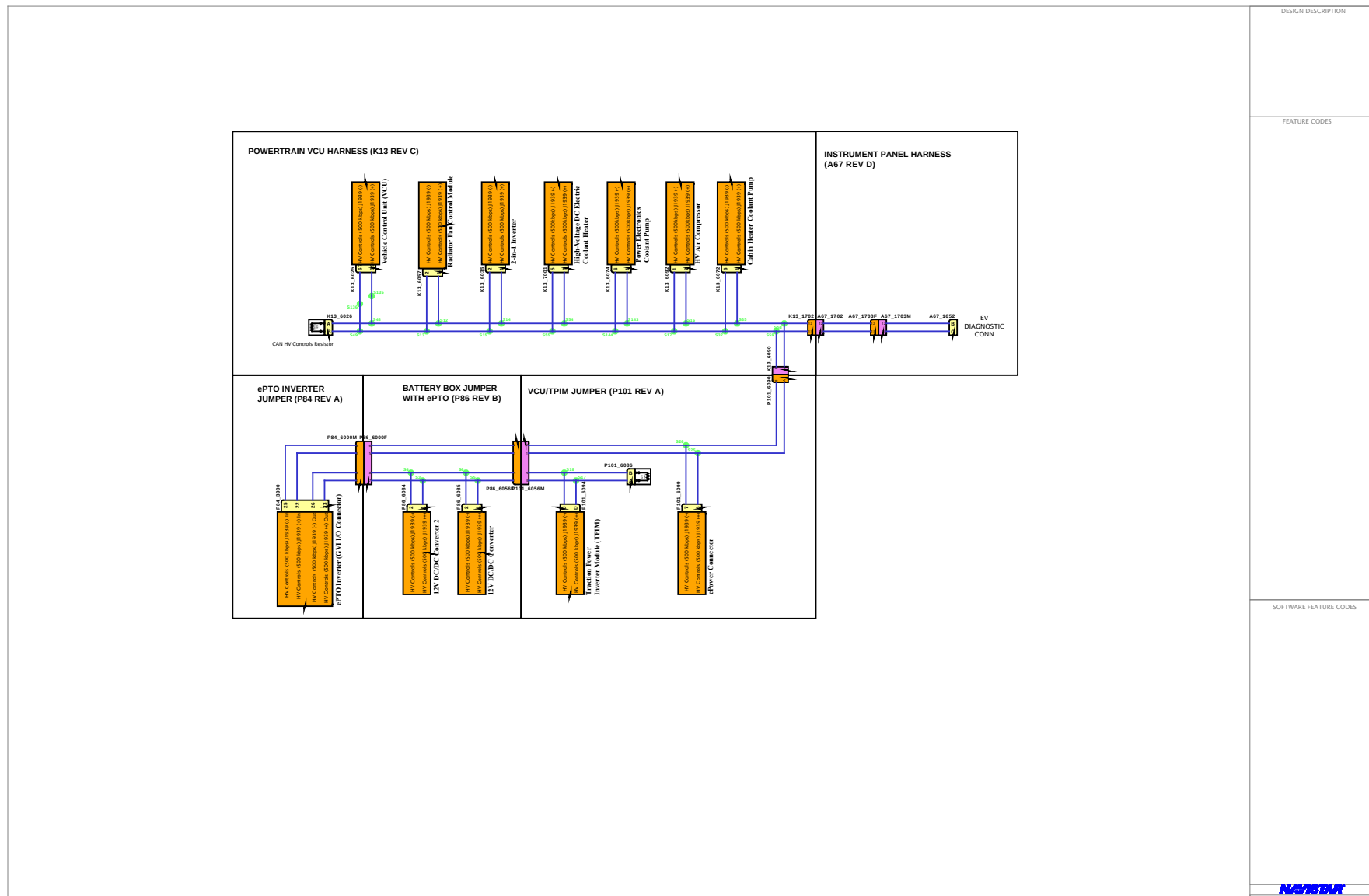
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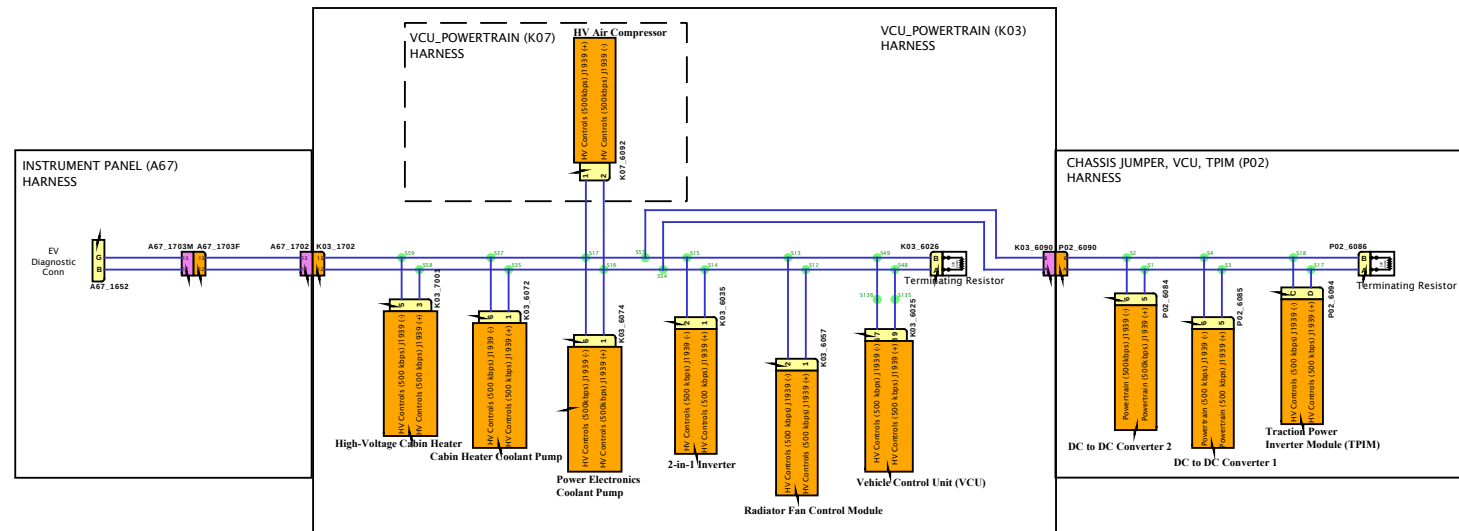


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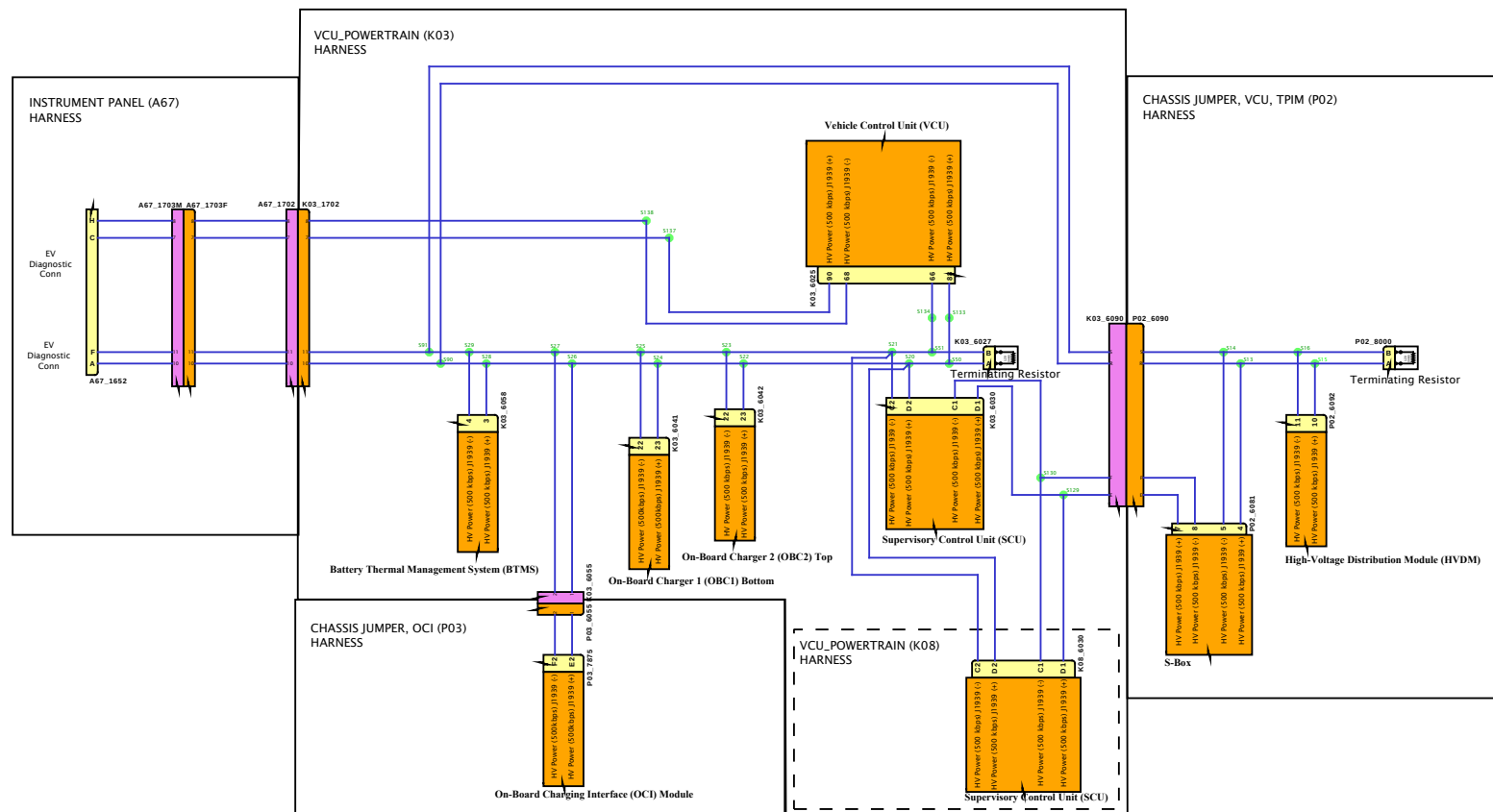




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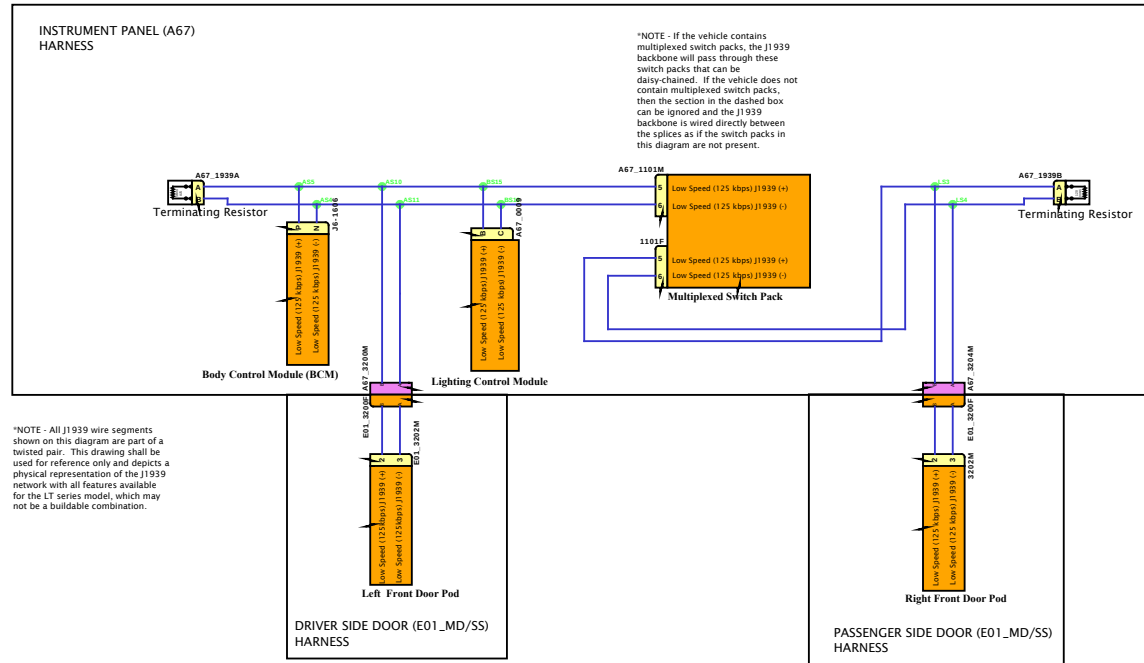
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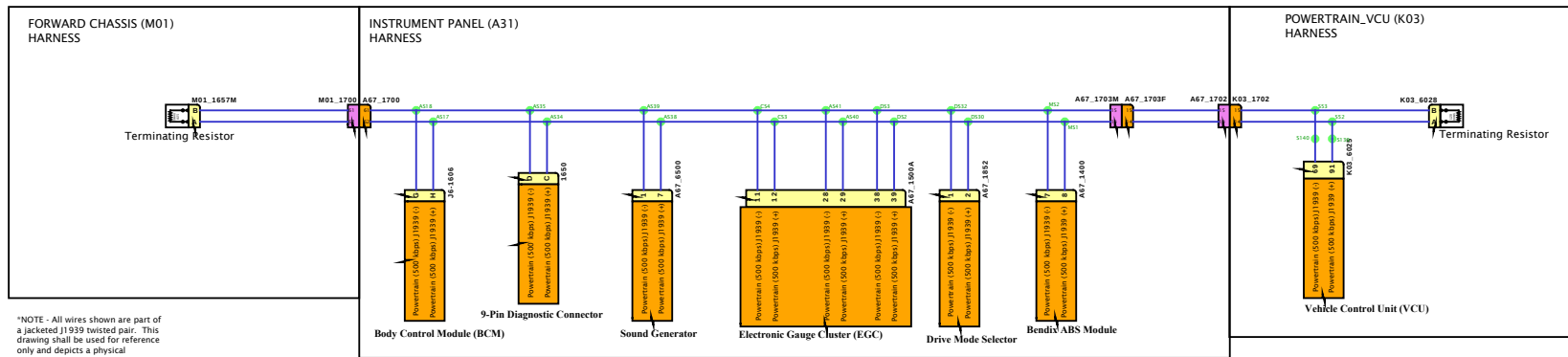
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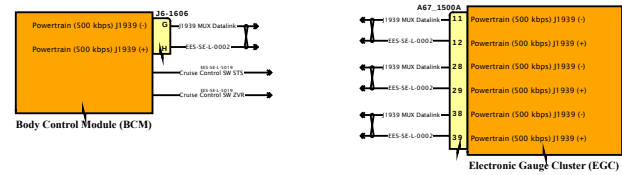
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*NOTE - All wires shown are part of a jacketed J1939 twisted pair. This drawing shall be used for reference only and depicts a physical representation of the J1939 network with all features available for the MV series model, which may not be a buildable combination.

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Diagram1

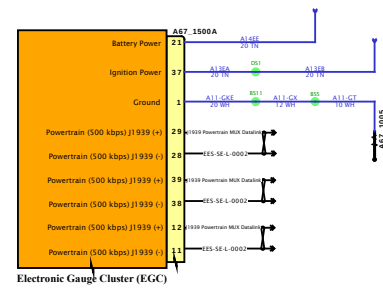


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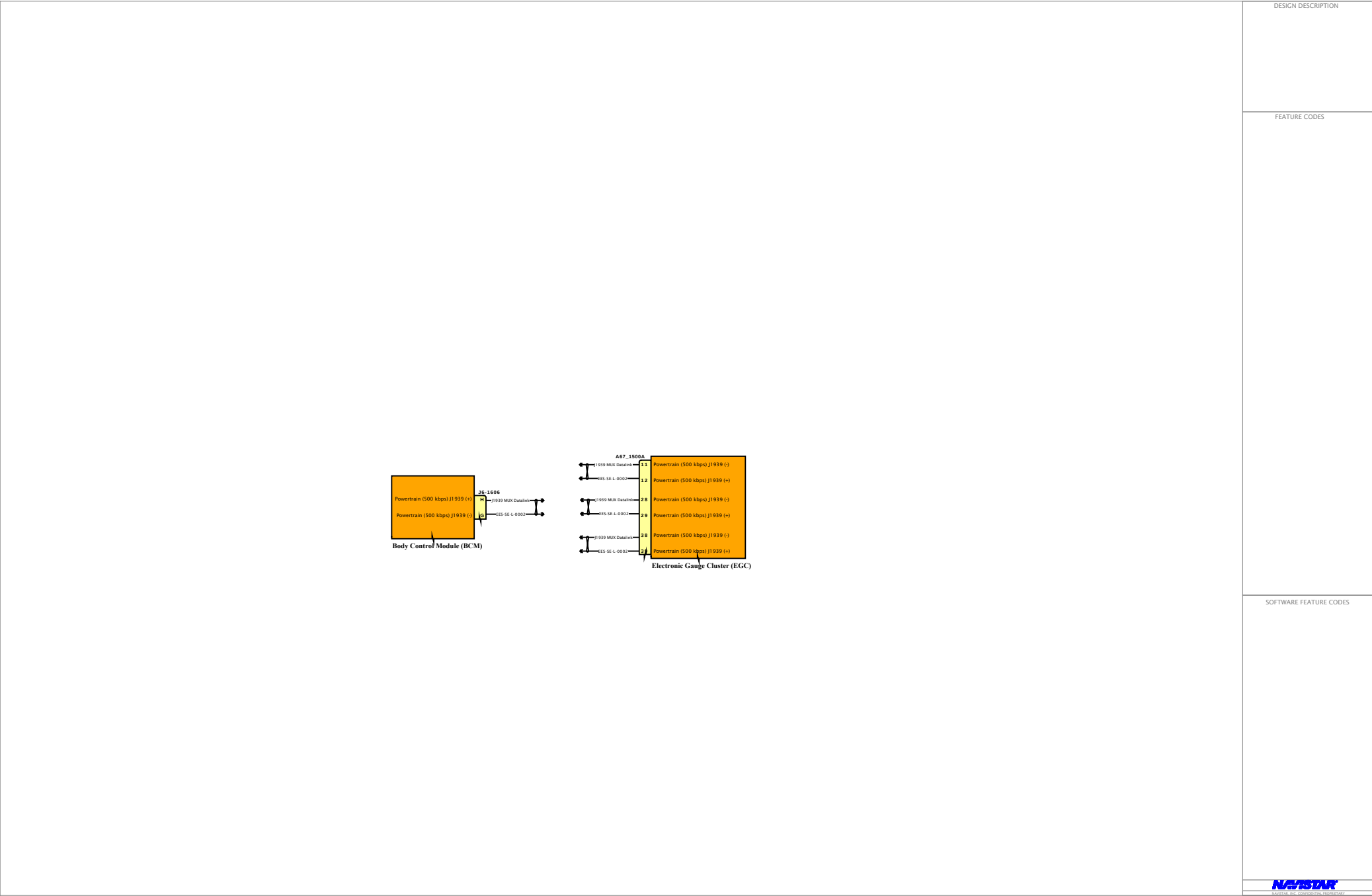




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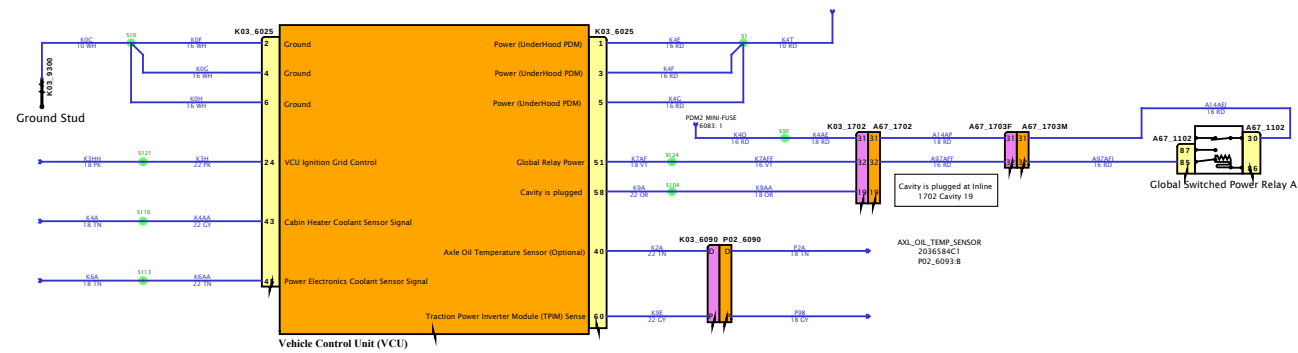
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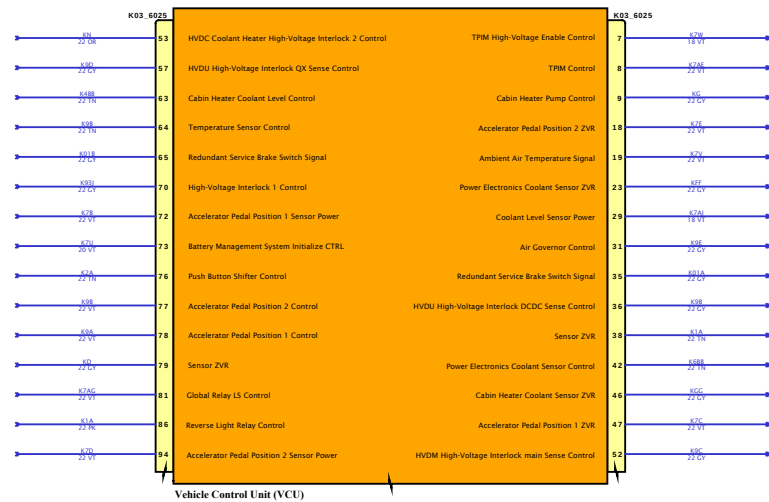


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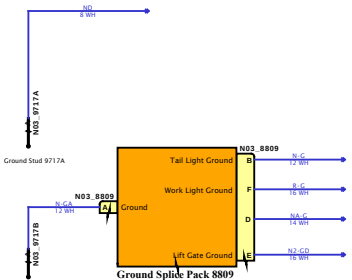


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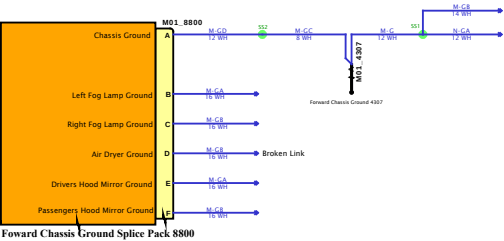
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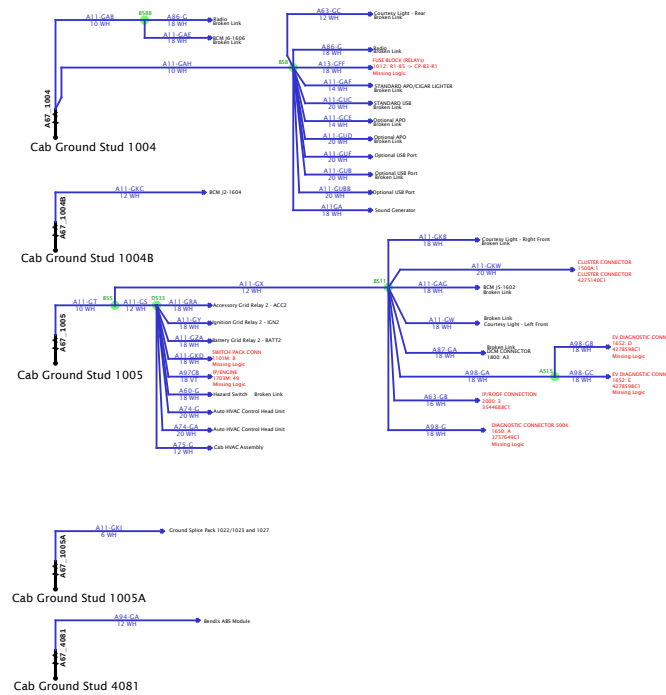
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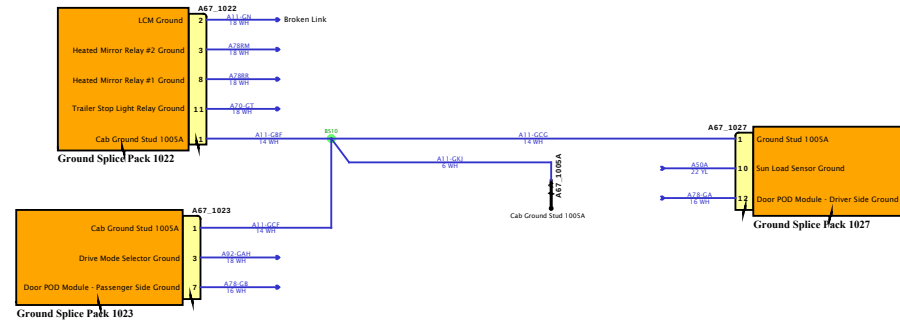




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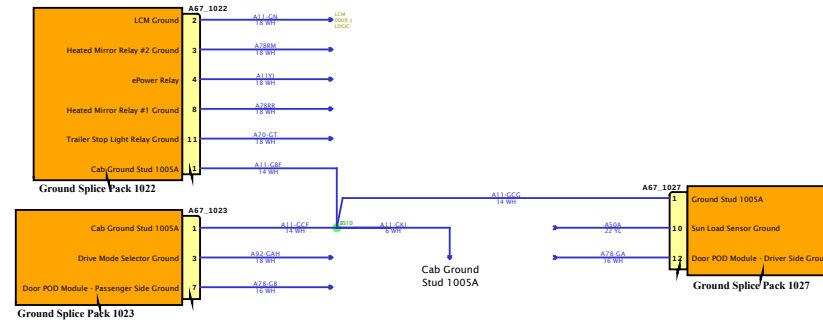
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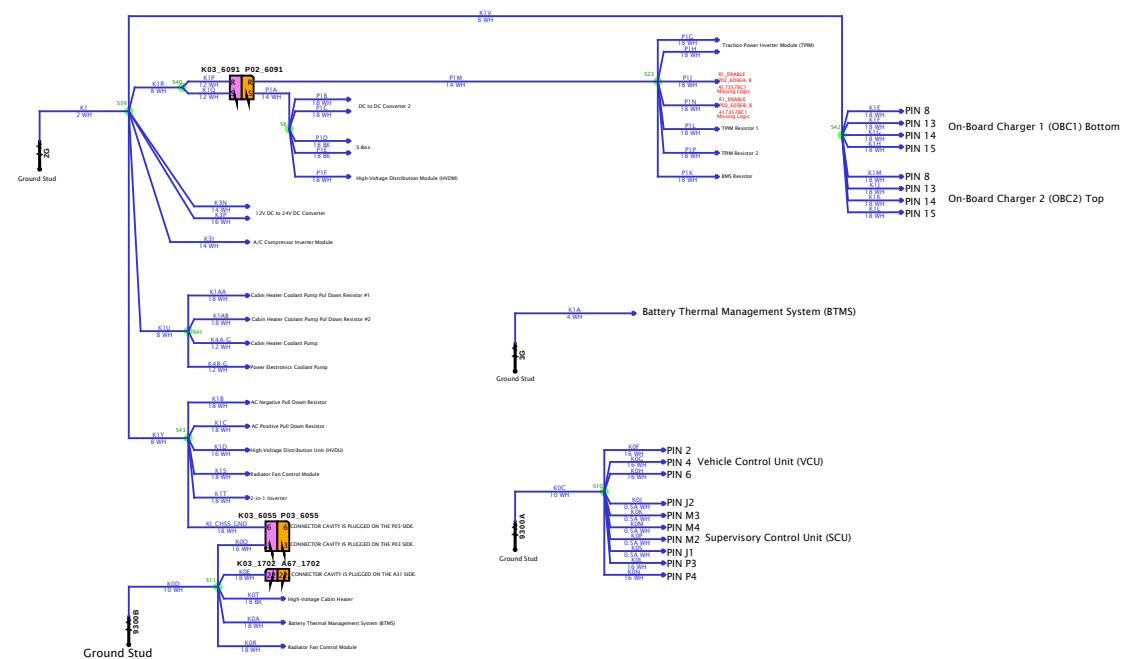
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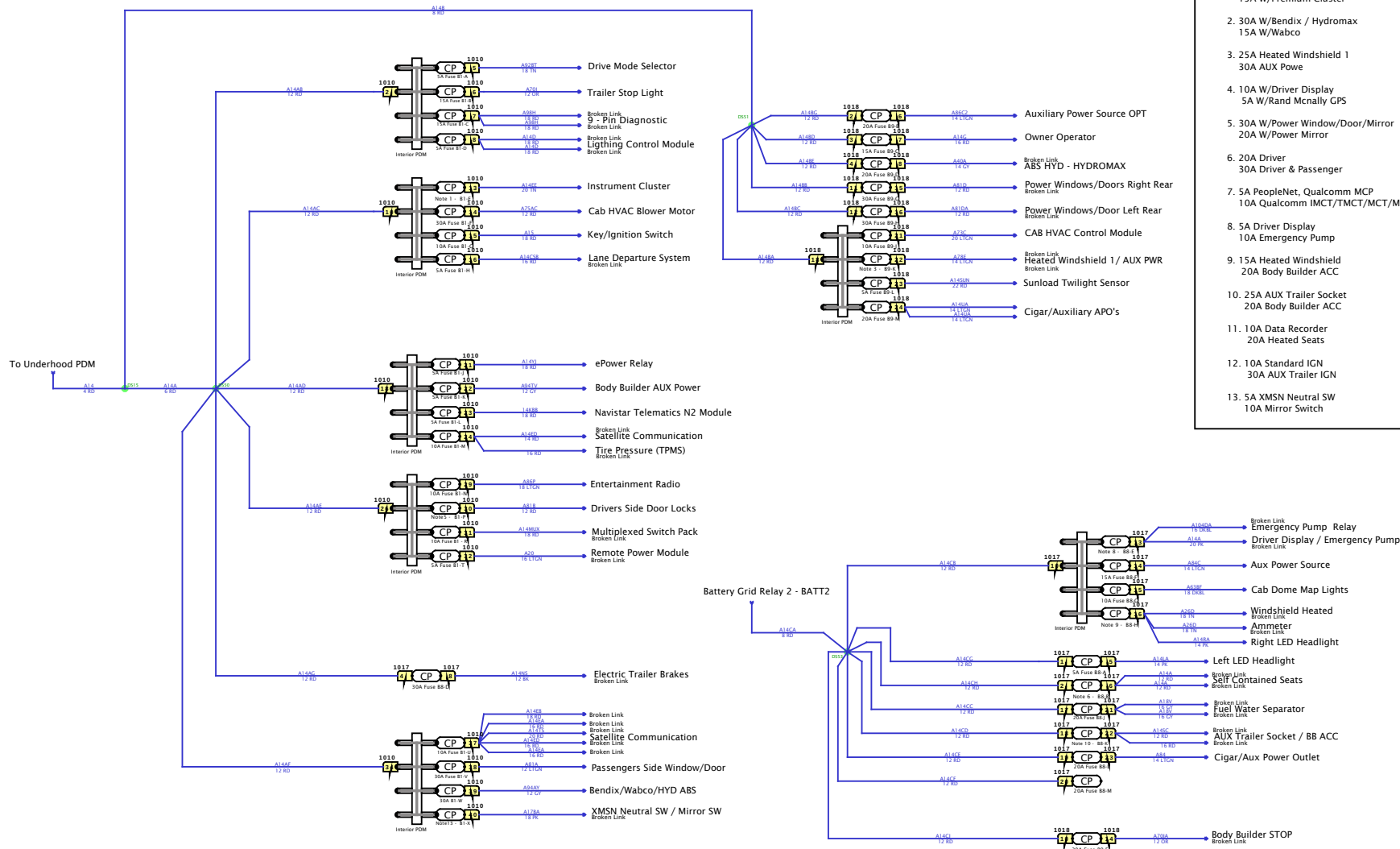


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		DESIGN DESCRIPTION
		FEATURE CODES
BCM input ZVR Instrument Cluster Display Control ZVR Service Brake Switch ZVR Rear Axle Loading/Pressure Sensor ZVR LCM ZVR ZVR Input From Splice Pack 8802 Driver Information Display ZVR Seatbelt Switch ZVR I/O Expansion Pigtail A67_1620 A B C D F G H J K A02 A0C0C A0A0C A1J0B A0 A05 A0B A0 A0A0 18 CY 20 WH 18 CY 18 CY 18 CY 18 CY 20 WH 18 CY 18 CY Broken Link Broken Link Broken Link Broken Link Broken Link Broken Link Broken Link Broken Link Broken Link Zero Volt Reference Splice Pack (ZVR) 1620		SOFTWARE FEATURE CODES



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1. 5A W/Base Cluster
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2. 30A W/Bendix / Hydromax
15A W/Wabco
3. 25A Heated Windshield 1
30A AUX Powe
4. 10A W/Driver Display
5A W/Rand Mcnally GPS
5. 30A W/Power Window/Door/Mirror
20A W/Power Mirror
6. 20A Driver
30A Driver & Passenger
7. 5A PeopleNet, Qualcomm MCP
10A Qualcomm IMCT/TMCT/MCT/MVPC
8. 5A Driver Display
10A Emergency Pump
9. 15A Heated Windshield
20A Body Builder ACC
10. 25A AUX Trailer Socket
20A Body Builder ACC
11. 10A Data Recorder
20A Heated Seats
12. 10A Standard IGN
30A AUX Trailer IGN
13. 5A XMSN Neutral SW
10A Mirror Switch

DESIGN DESCRIPTION

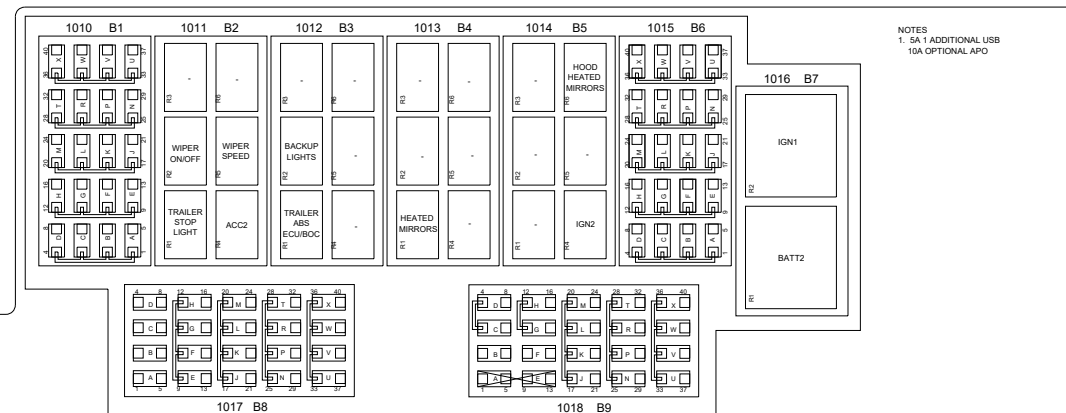
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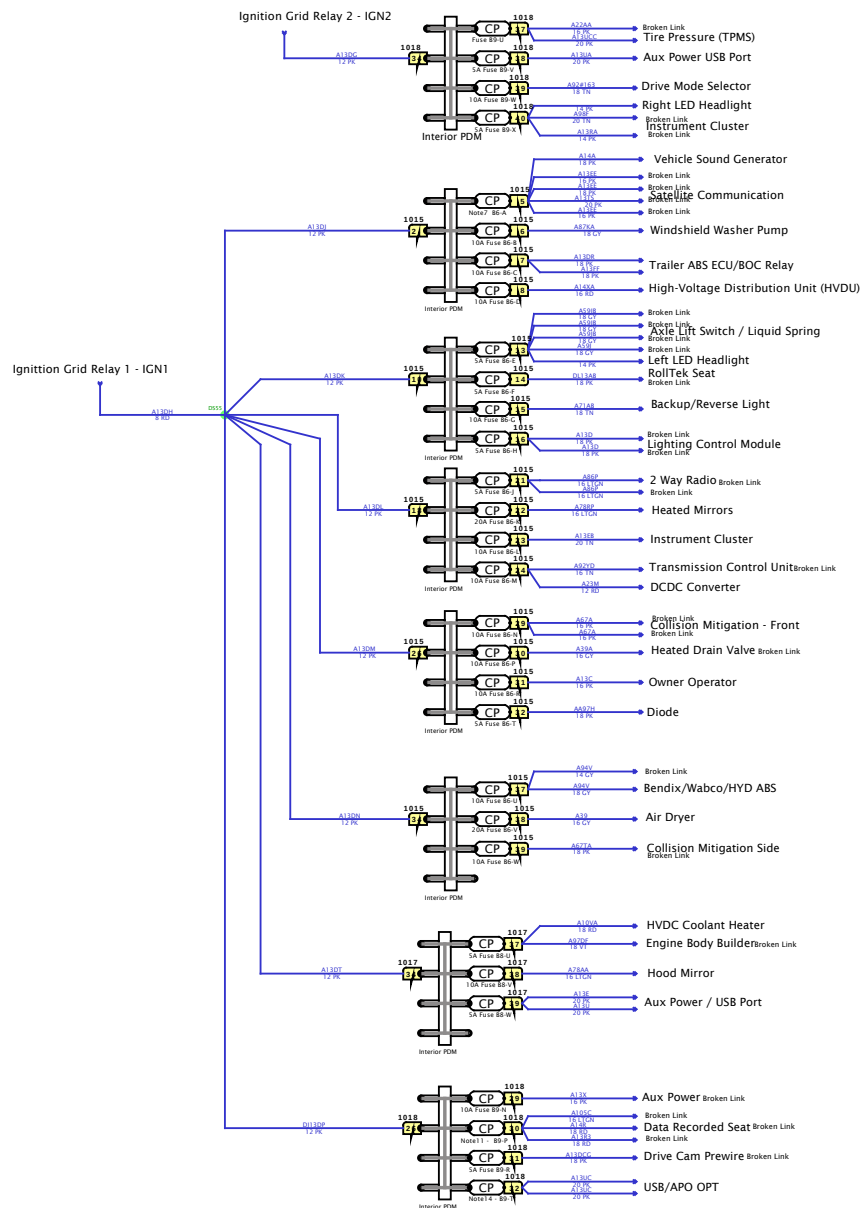
FEATURE CODES

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P/N 4307236C2

LOCATION	AMP	FEED	STD/OPT	DESCRIPTION	LOCATION	AMP	FEED	STD/OPT	DESCRIPTION	LOCATION	AMP	FEED	STD/OPT	DESCRIPTION
B1-A	5	BTRY	STD	PB SHIFTER	B6-A	5	IGN	OPT	NOISE GENERATOR	B8-A	15	NOTE 13	OPT	HDLT LED
B1-B	15	BTRY	STD	TRAILER STOP LIGHT	B6-B	10	IGN	STD	WINDSHIELD WASHER PUMP	B8-B	-	BTRY	OPT	-
B1-C	15	BTRY	STD	9-PIN DIAGNOSTIC	B6-C	10	IGN	STD	TRAILER ABS	B8-C	-	ACC	OPT	-
B1-D	5	BTRY	STD	LIGHT CONTROL MODULE	B6-D	10	IGN	OPT	HVUO IGN POWER	B8-D	-	BTRY	OPT	-
B1-E	15	BTRY	STD	INSTRUMENT CLUSTER	B6-E	15	IGN	OPT	HDLT LED	B8-E	-	BTRY	OPT	-
B1-F	30	BTRY	STD	CAB HVAC BLOWER MOTOR	B6-F	-	IGN	OPT	-	B8-F	20	BTRY	OPT	AUX PWR SOURCE/OPT APO/USB
B1-G	10	BTRY	STD	KEY SWITCH	B6-G	10	IGN	STD	BACKUP LIGHTS	B8-G	10	BTRY	STD	CAB DOME MAP LIGHTS
B1-H	-	BTRY	OPT	-	B6-H	5	IGN	STD	LIGHTING CONTROL MODULE	B8-H	15	BTRY	OPT	HDLT LED
B1-J	-	BTRY	OPT	-	B6-J	-	IGN	OPT	-	B8-J	-	BTRY	OPT	-
B1-K	30	BTRY	STD	TRAILER ABS ECU	B6-K	20	IGN	OPT	HEATED MIRRORS	B8-K	-	BTRY	OPT	-
B1-L	5	BTRY	OPT	N2 MODULE	B6-L	10	IGN	STD	INSTRUMENT CLUSTER	B8-L	20	BTRY	STD	CIGAR LIGHTER
B1-M	-	BTRY	OPT	-	B6-M	15	IGN	OPT	VCU IGN POWER	B8-M	-	BTRY	OPT	-
B1-N	10	BTRY	OPT	ENTERTAINMENT RADIO	B6-N	-	IGN	OPT	-	B8-N	-	ACC	OPT	-
B1-P	30	BTRY	OPT	PWR WDO-DOOR LOCK	B6-P	10	IGN	OPT	HEATED DRAIN VALVE	B8-P	10	ACC	STD	ENTERTAINMENT RADIO
B1-R	10	BTRY	STD	SWITCH PACK	B6-R	10	IGN	OPT	OWNER OPERATOR	B8-R	10	ACC	OPT	CB RADIO
B1-T	-	BTRY	OPT	-	B6-T	5	IGN	STD	VCU ING CHARGE	B8-T	10	ACC	OPT	PWR MIR SW
B1-U	-	BTRY	OPT	-	B6-U	10	IGN	STD	BENDIX ABS	B8-U	5	IGN	OPT	ING POWER HVAC HTR
B1-V	30	BTRY	OPT	PASSENGER SIDE WINDOW / DOOR	B6-V	20	IGN	STD	AIR DRYER	B8-V	10	IGN	OPT	HOOD MIRROR
B1-W	30	BTRY	STD	BENDIX ABS	B6-W	-	BTRY	OPT	-	B8-W	5	IGN	OPT	AUX PWR /USB OPT
B1-X	-	BTRY	OPT	-	B6-X	-	BTRY	OPT	-	B8-X	-	IGN	OPT	-



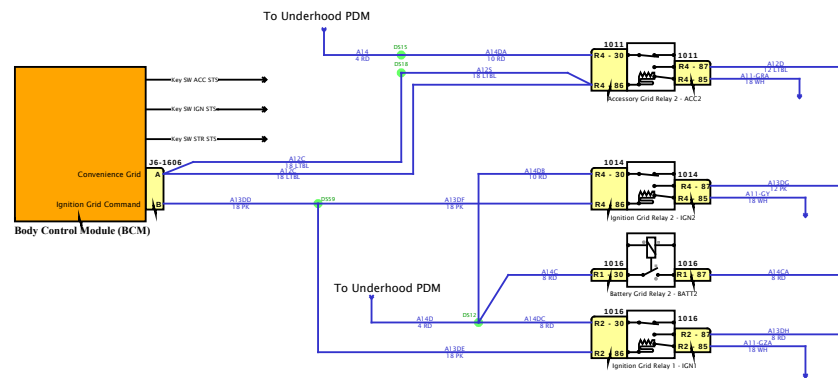
- NOTES
- 5A W/Base Cluster
15A W/Premium Cluster
 - 30A W/Bendix / Hydromax
15A W/Wabco
 - 25A Heated Windshield 1
30A AUX Powe
 - 10A W/Driver Display
5A W/Rand McNally GPS
 - 30A W/Power Window/Door/Mirror
20A W/Power Mirror
 - 20A Driver
30A Driver & Passenger
 - 5A PeopleNet, Qualcomm MCP
10A Qualcomm IMCT/TMCT/MCT/MVPC
 - 5A Driver Display
10A Emergency Pump
 - 15A Heated Windshield
20A Body Builder ACC
 - 25A AUX Trailer Socket
20A Body Builder ACC
 - 10A Data Recorder
20A Heated Seats
 - 10A Standard IGN
30A AUX Trailer IGN
 - 5A XMSN Neutral SW
10A Mirror Switch

DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

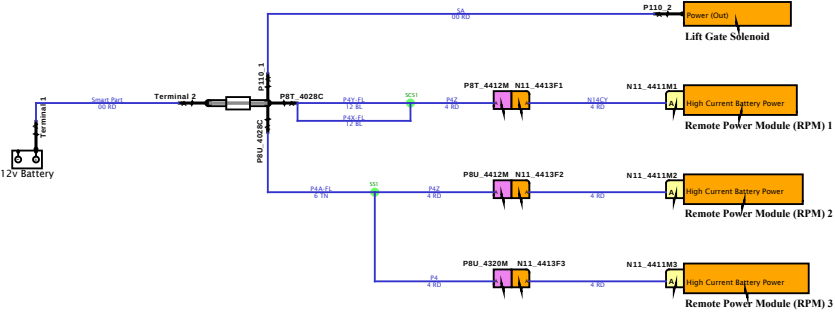




DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



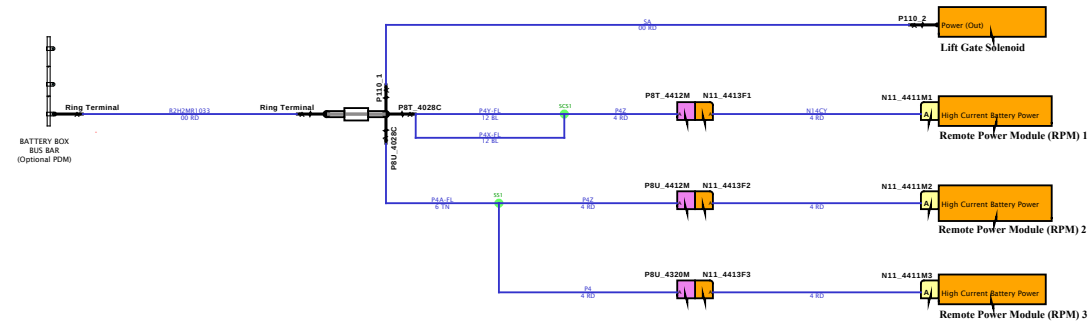
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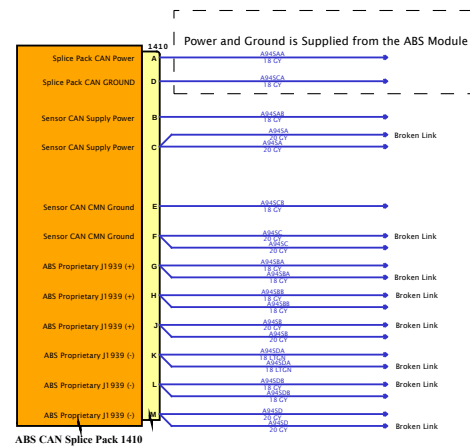
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DESIGN DESCRIPTION

FEATURE CODES



SOFTWARE FEATURE CODES

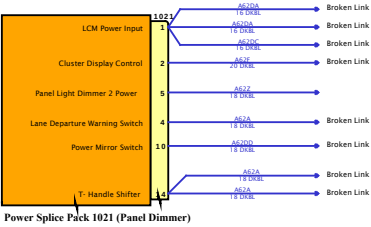


DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES





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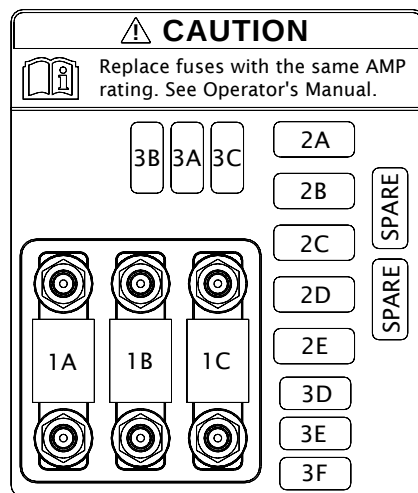
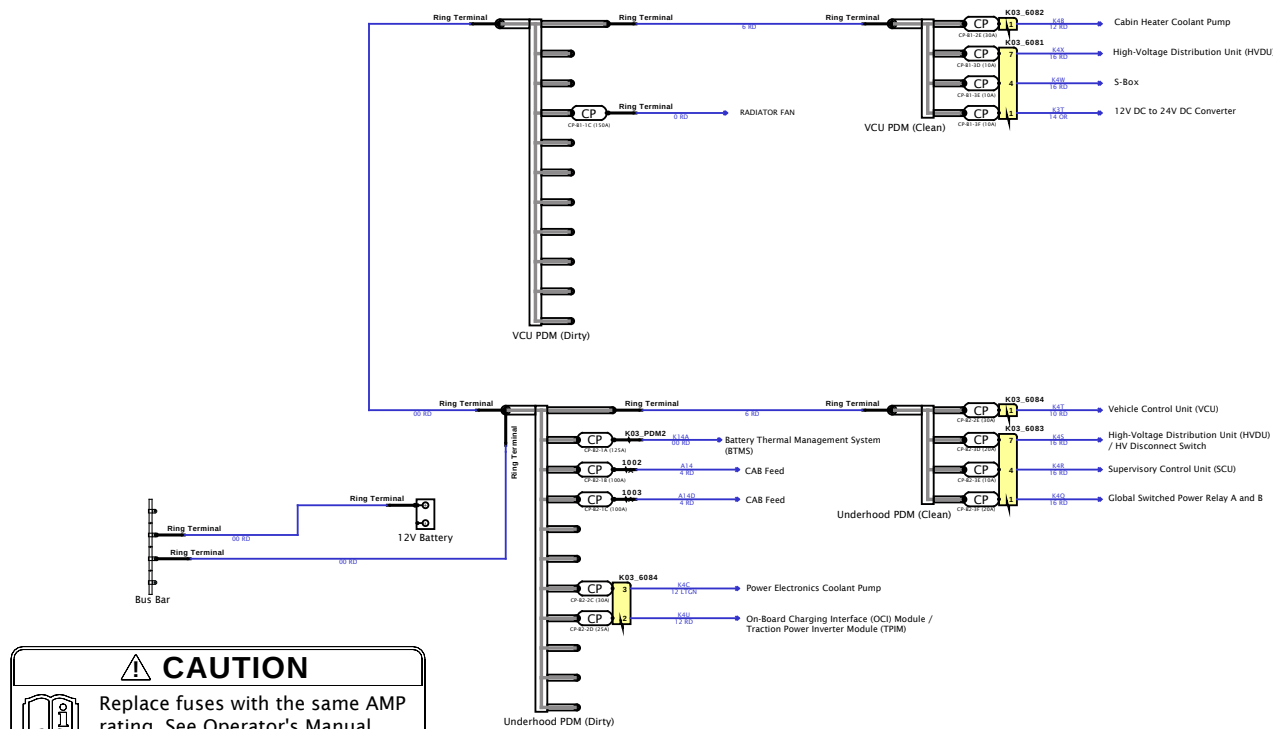
FEATURE CODES

SOFTWARE FEATURE CODES



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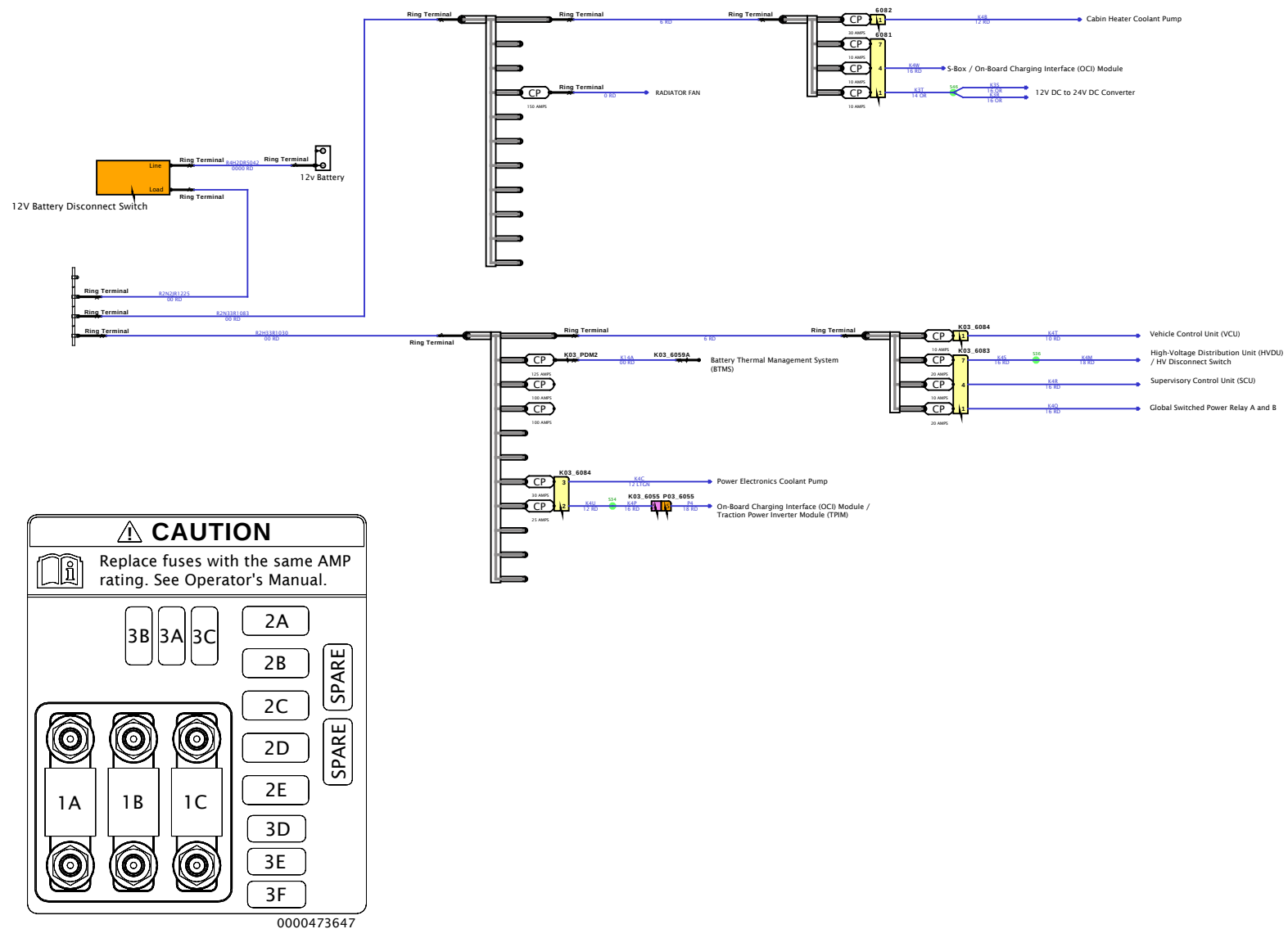


0000473647

DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

DESIGN DESCRIPTION	
FEATURE CODES	
The diagram illustrates a CAN bus network architecture. On the left, the Vehicle Control Unit (VCU) is connected to a multiplexer (K03_6025) which routes signals from various modules: Powertrain (500 kbps), HV Controls (500 kbps), and HV Power (500 kbps). The VCU also connects to a Sensor ZVR and an Air Governor Control module. The Air Governor module is connected to an Air Governor Zero Valve and an Air Governor Control module. The diagram includes pin numbers, signal names, and data rates.	
SOFTWARE FEATURE CODES	

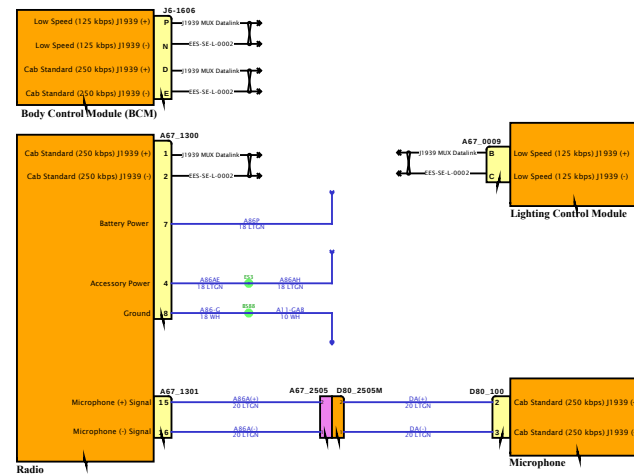
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	FEATURE CODES
	SOFTWARE FEATURE CODES



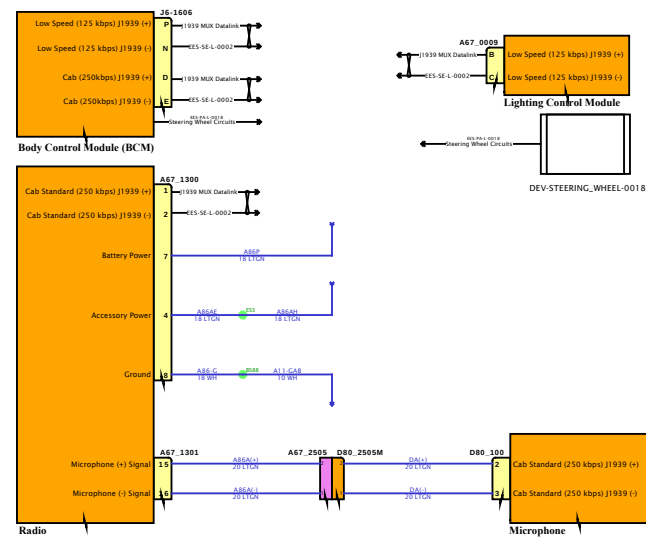
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DESIGN DESCRIPTION

FEATURE CODES



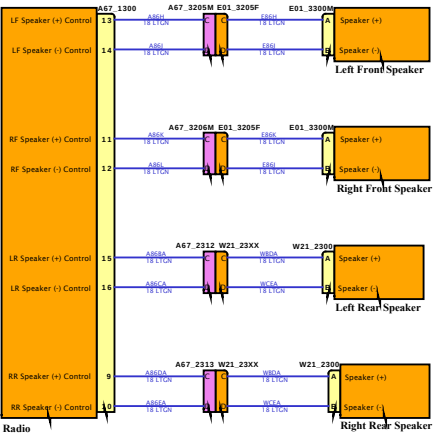
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FEATURE CODES

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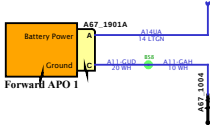
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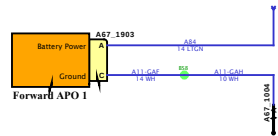
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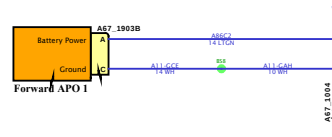
SOFTWARE FEATURE CODES

Diagram1

Diagram1 - 1901A

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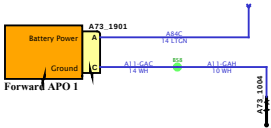
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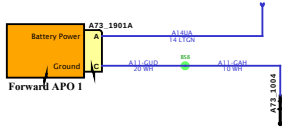


DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

	DESIGN DESCRIPTION
	FEATURE CODES
	SOFTWARE FEATURE CODES

	DESIGN DESCRIPTION
	FEATURE CODES
	
	SOFTWARE FEATURE CODES
	

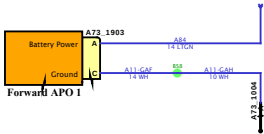
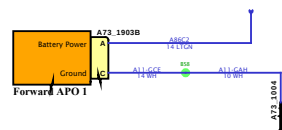
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Diagram1 - 1903B



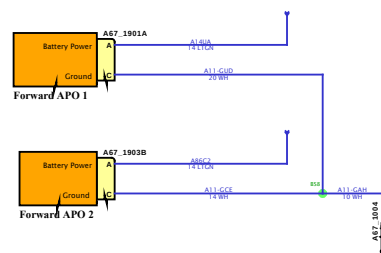
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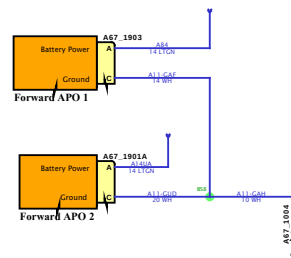
Diagram1 - 1901A & 1903B



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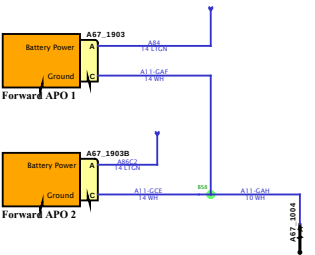
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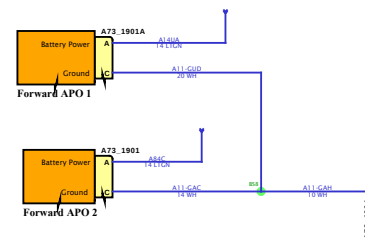
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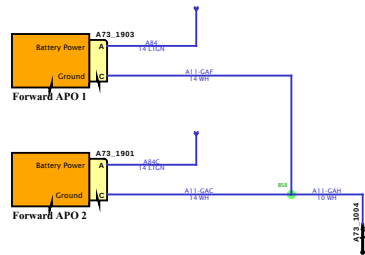
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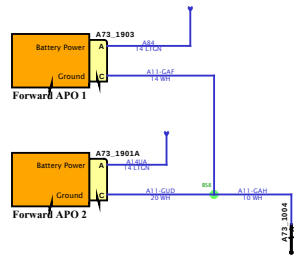
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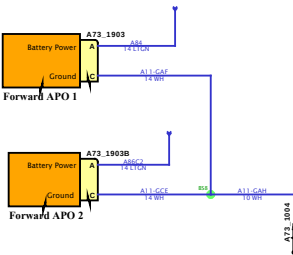
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SOFTWARE FEATURE CODES



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	DESIGN DESCRIPTION
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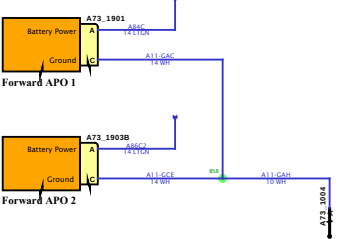
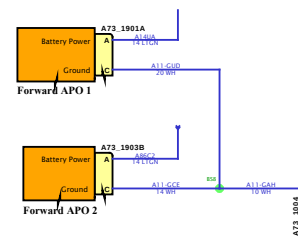
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Diagram1 - 1903B & 1901A



DESIGN DESCRIPTION

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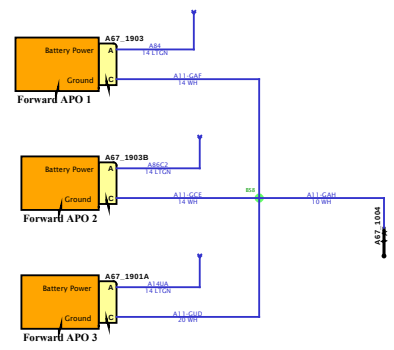
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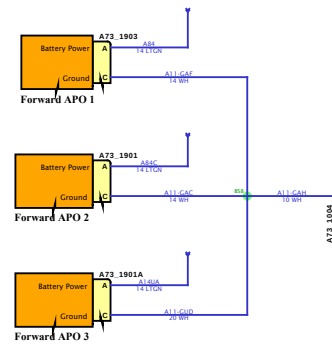
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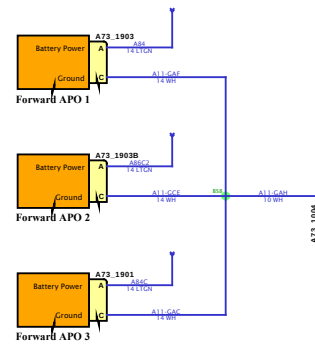
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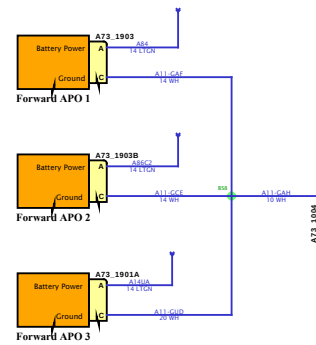
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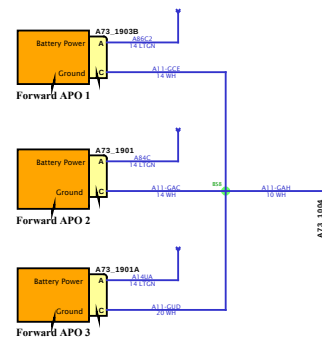
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Diagram1 - 1903B & 1901 & 1901A



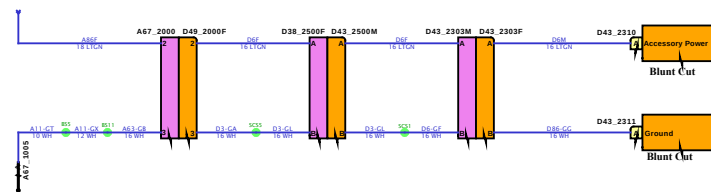
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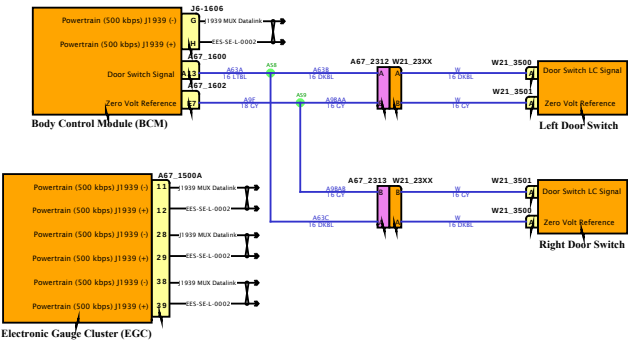
Diagram1



DESIGN DESCRIPTION

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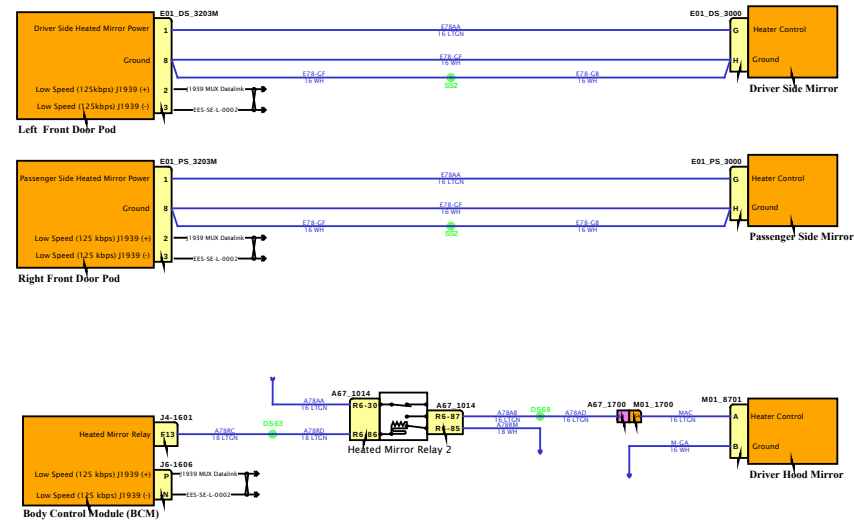
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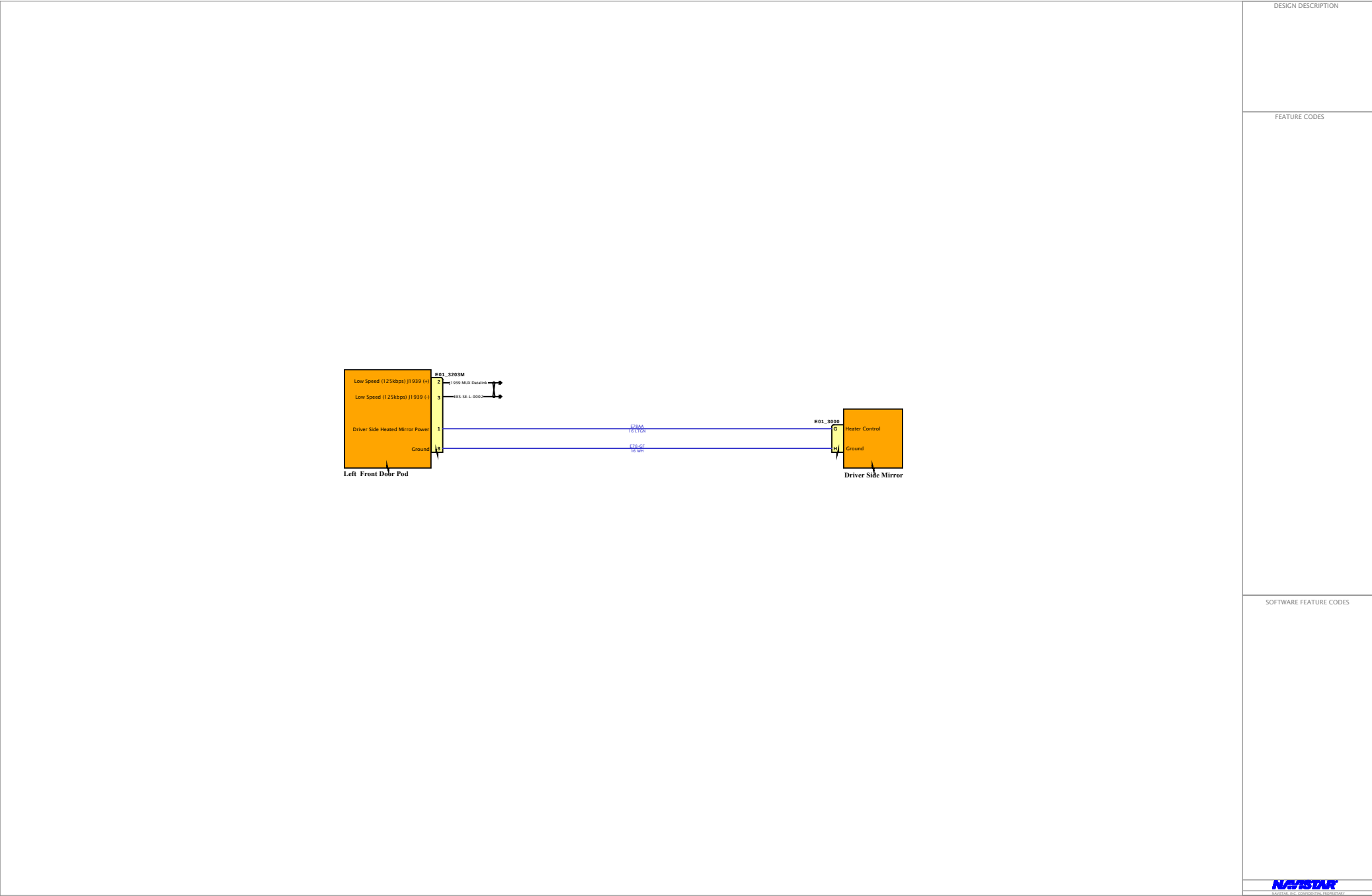
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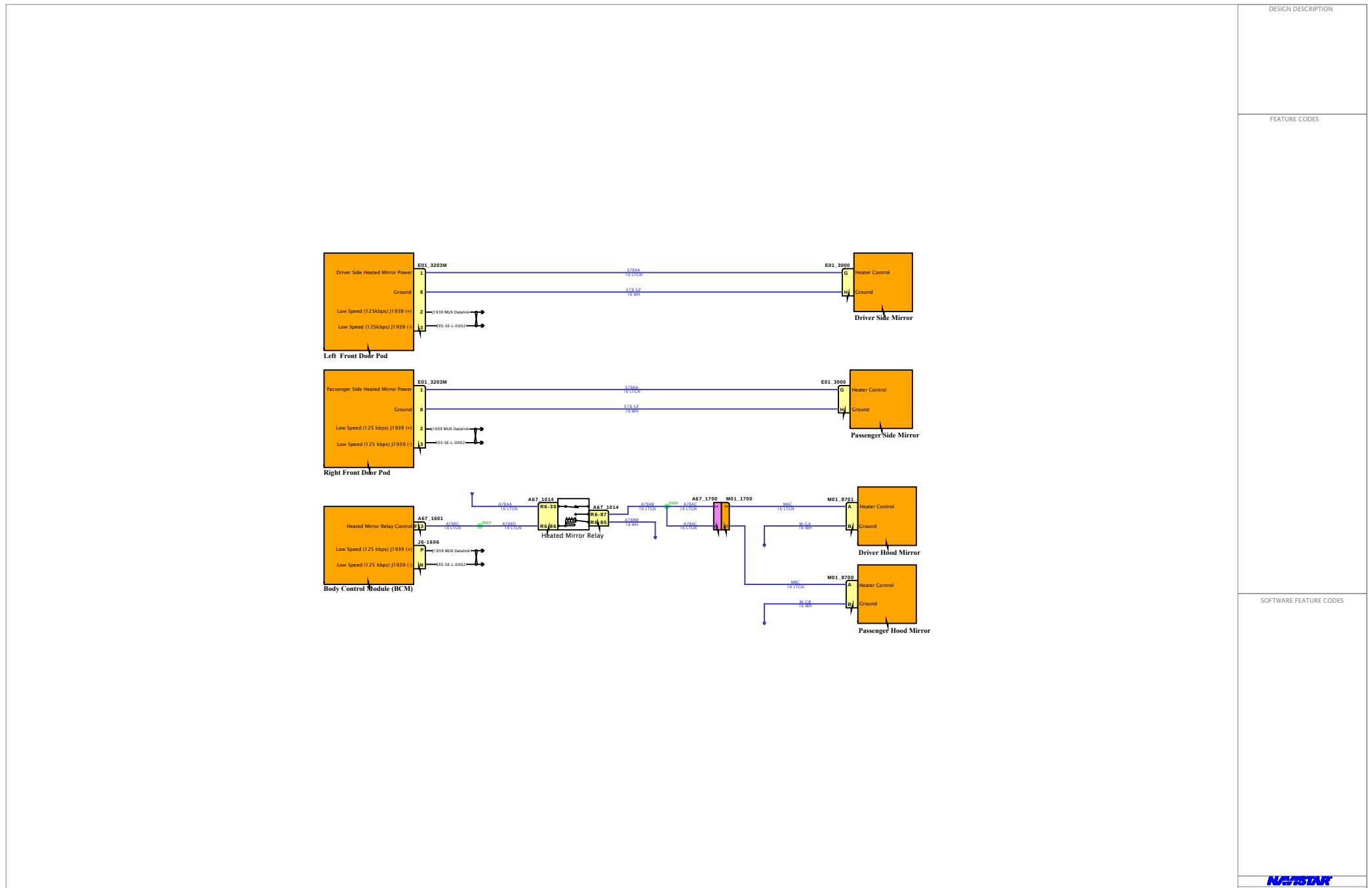


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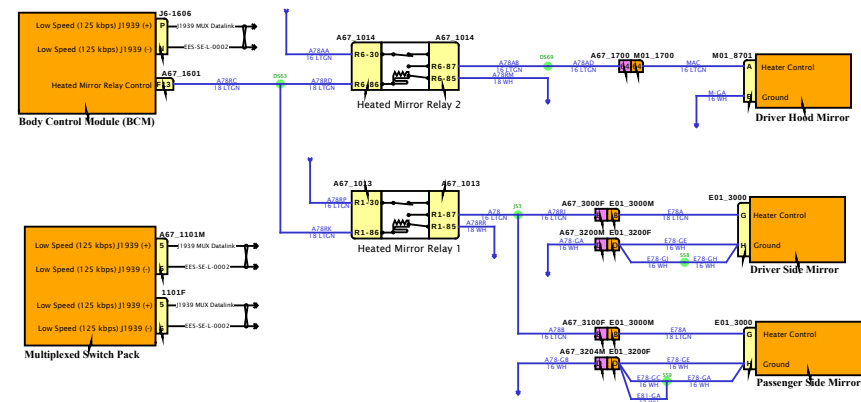




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FEATURE CODES

SOFTWARE FEATURE CODES



DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

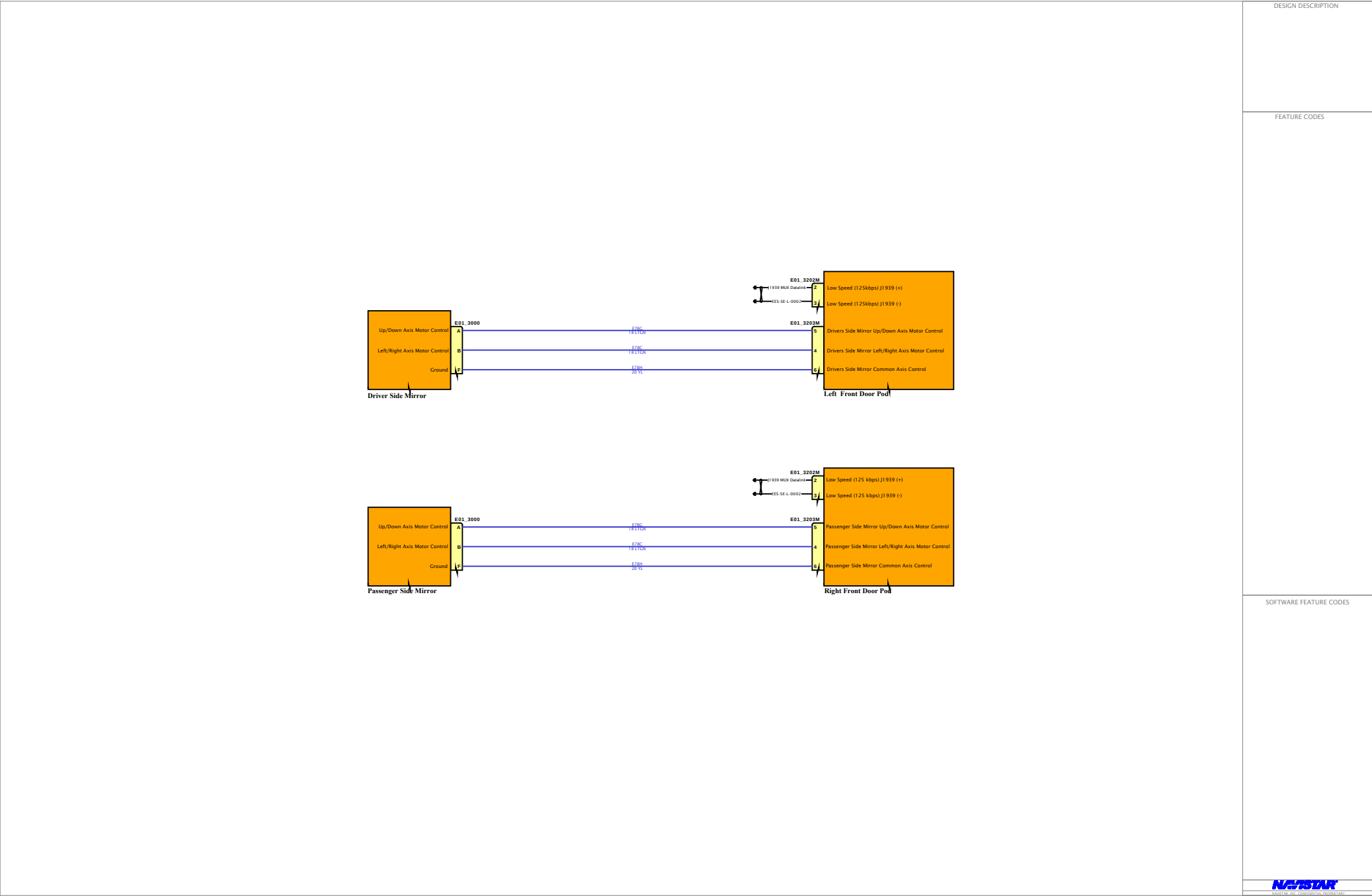
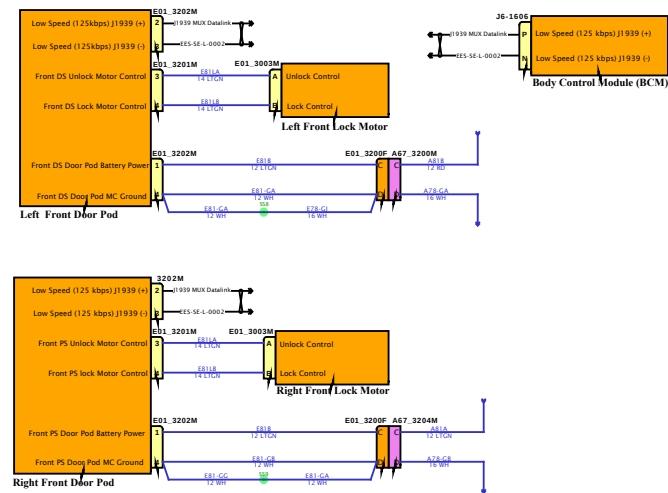


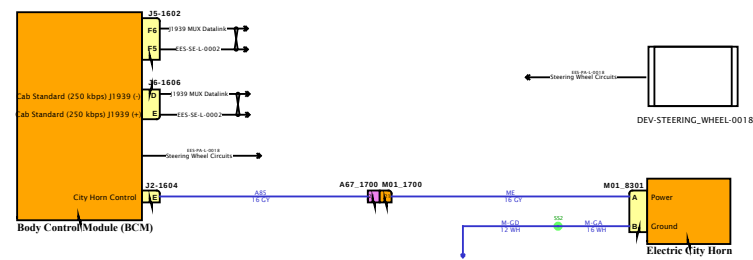
Diagram1



DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



DESIGN DESCRIPTION

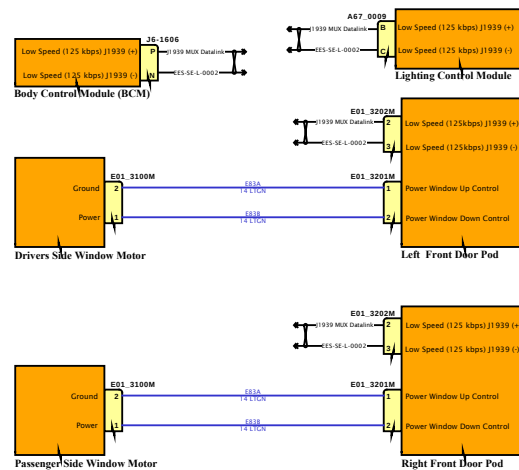
FEATURE CODES

SOFTWARE FEATURE CODES



DESIGN DESCRIPTION	
FEATURE CODES	
The diagram illustrates a network topology for a vehicle system. On the left, the Body Control Module (BCM) is shown with two data links: 36-1602 (J1939 F) and 36-1606 (J1939 F). These links connect to two Multiplexed Switch Packs in the center. The top switch pack, labeled A67_1101M, contains two modules: Low Speed (125 kbps) J1939 (+) and Low Speed (125 kbps) J1939 (-). The bottom switch pack, labeled 1101F, contains two modules: Low Speed (125 kbps) J1939 (+) and Low Speed (125 kbps) J1939 (-). Both switch packs are connected to the Navistar Telematics N2 Module at the bottom, which includes Body Standard (250 kbps) J1939 (+) and Body Standard (250 kbps) J1939 (-) modules. The connections are labeled with J1939 MUX DataLink and EES-SE-L-0002.	
SOFTWARE FEATURE CODES	



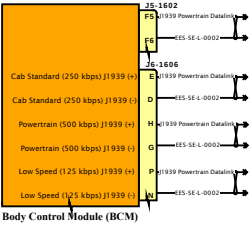


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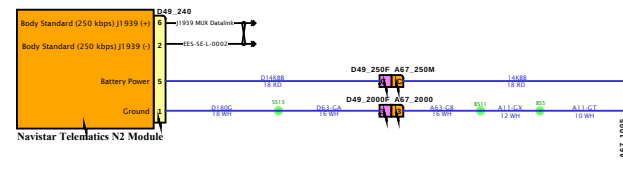
FEATURE CODES

SOFTWARE FEATURE CODES

	DESIGN DESCRIPTION
	FEATURE CODES
	SOFTWARE FEATURE CODES



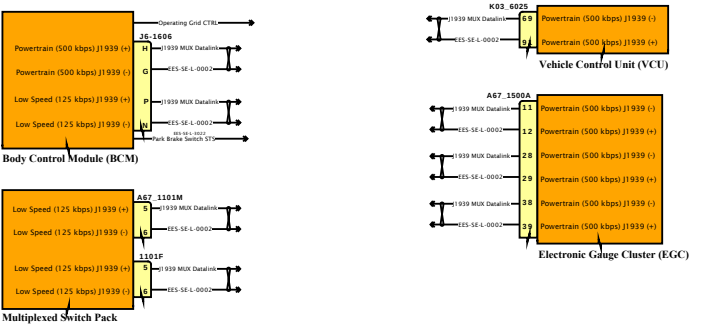
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Low Speed (125 kbps) (1939 +) Low Speed (125 kbps) (1939 -) Body Control Module (BCM) J6-1606 (1939 MUX DataLink) EES SE-L-0002 Low Speed (125 kbps) (1939 +) Low Speed (125 kbps) (1939 -) Front PS Door Pod Battery Power Front PS Door Pod MC Ground Right Front Door Pod J202M (1939 MUX DataLink) EES SE-L-0002 E01_3202M E01_3200F A67_3204M E01_A E01_CB E01_CBB E01_CB A67_B A67_C A67_D A67_E A67_F A67_G A67_H A67_I A67_J	SOFTWARE FEATURE CODES



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FEATURE CODES

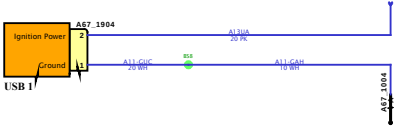
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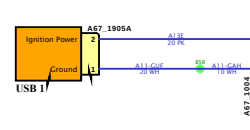


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SOFTWARE FEATURE CODES

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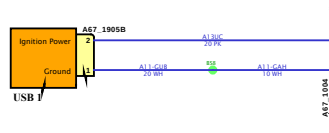


DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

Diagram1 - 1905B



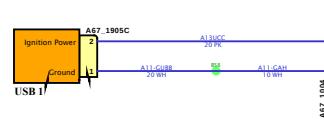
DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

NASTAR
NASTAR INC. CONFIDENTIAL PROPRIETARY

Diagram1 - 1905C



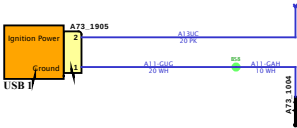
DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

NASTAR
NASTAR INC. - CONSTRUCTION SOFTWARE

	DESIGN DESCRIPTION
	FEATURE CODES
	SOFTWARE FEATURE CODES

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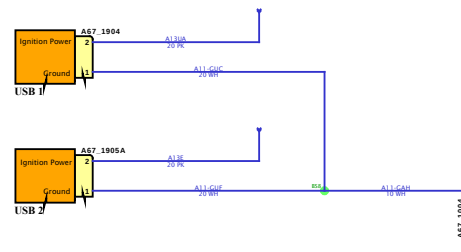


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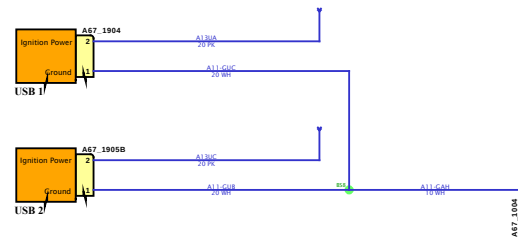
NASTAR
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



DESIGN DESCRIPTION

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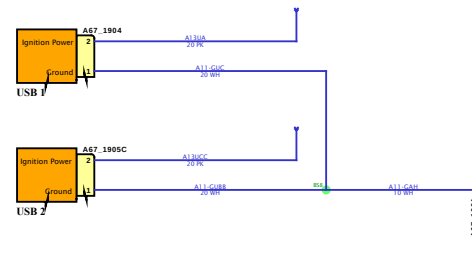
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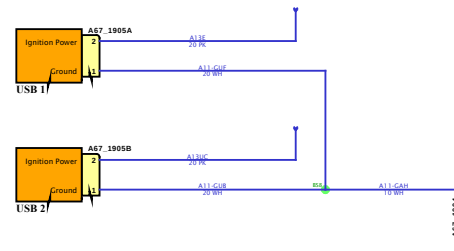
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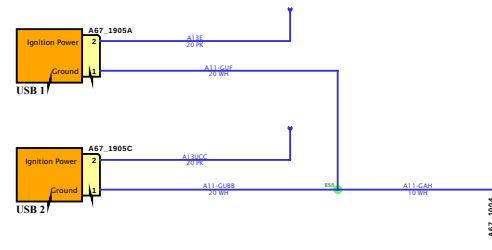
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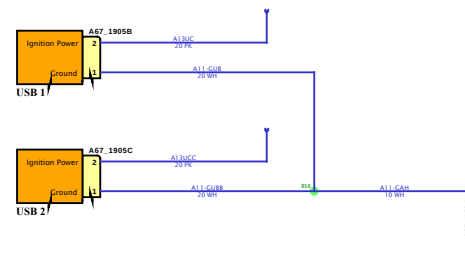
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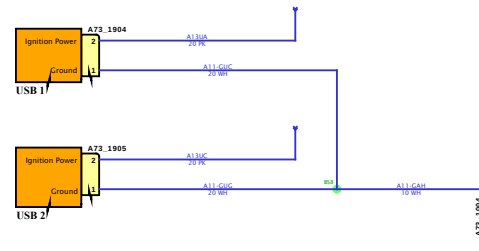
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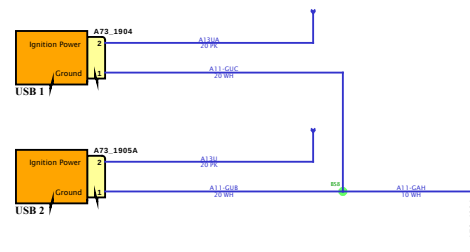
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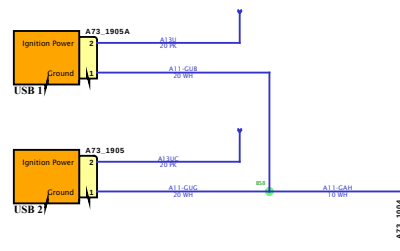
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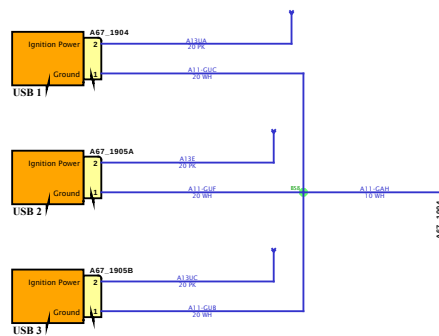
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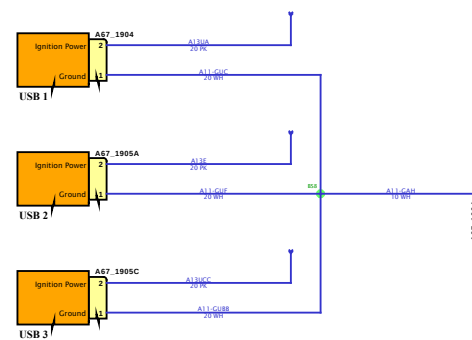


DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

Diagram1 - 1904 & 1905A & 1905C



DESIGN DESCRIPTION

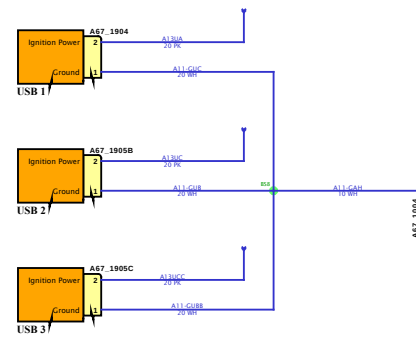
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NAVSTAR INC. CONSTRUCTION EQUIPMENT

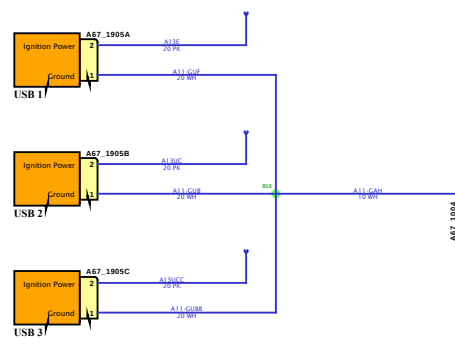
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Diagram1 - 1905A & 1905B & 1905C



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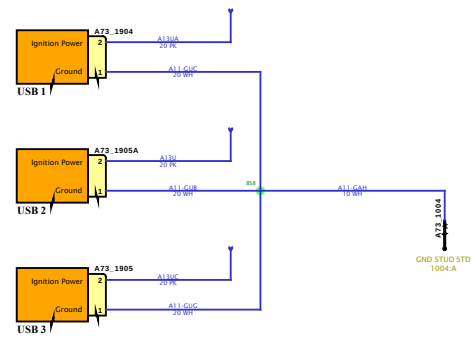
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NASTAR
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

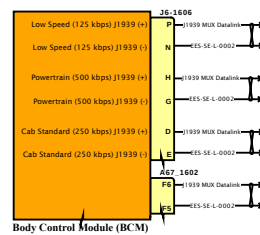
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SOFTWARE FEATURE CODES

Diagram1



DESIGN DESCRIPTION

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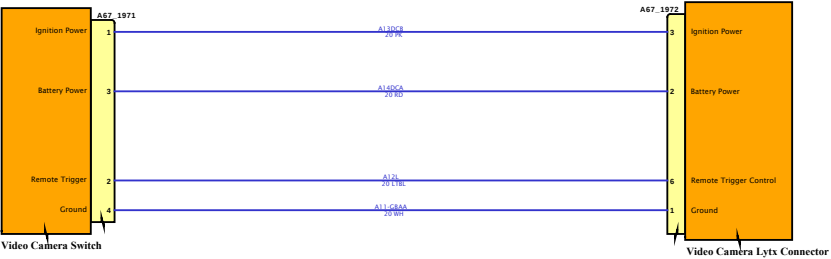


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 NASCAR NATIONAL ASSOCIATION OF STOCK CAR RACERS	



FEATURE CODES

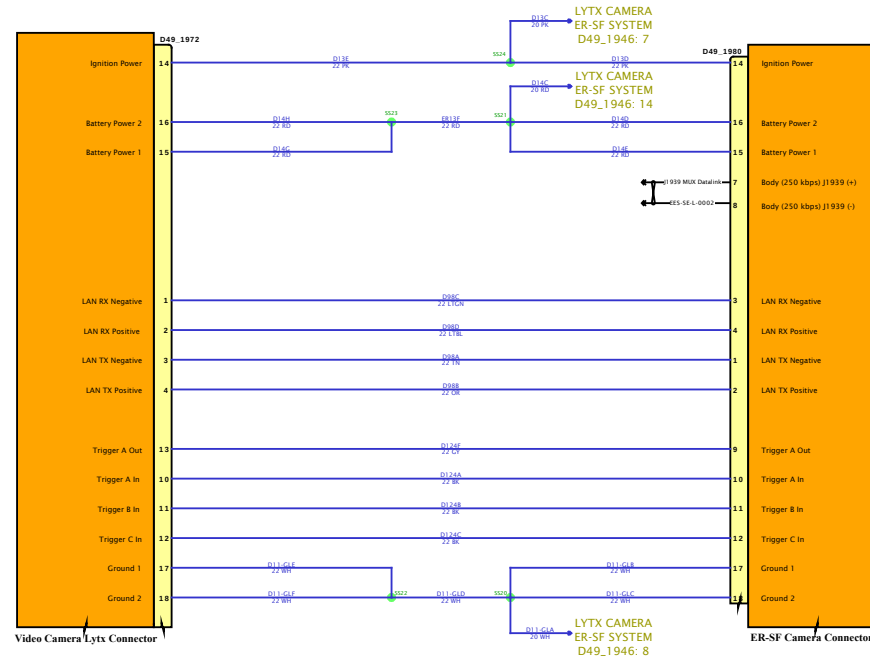
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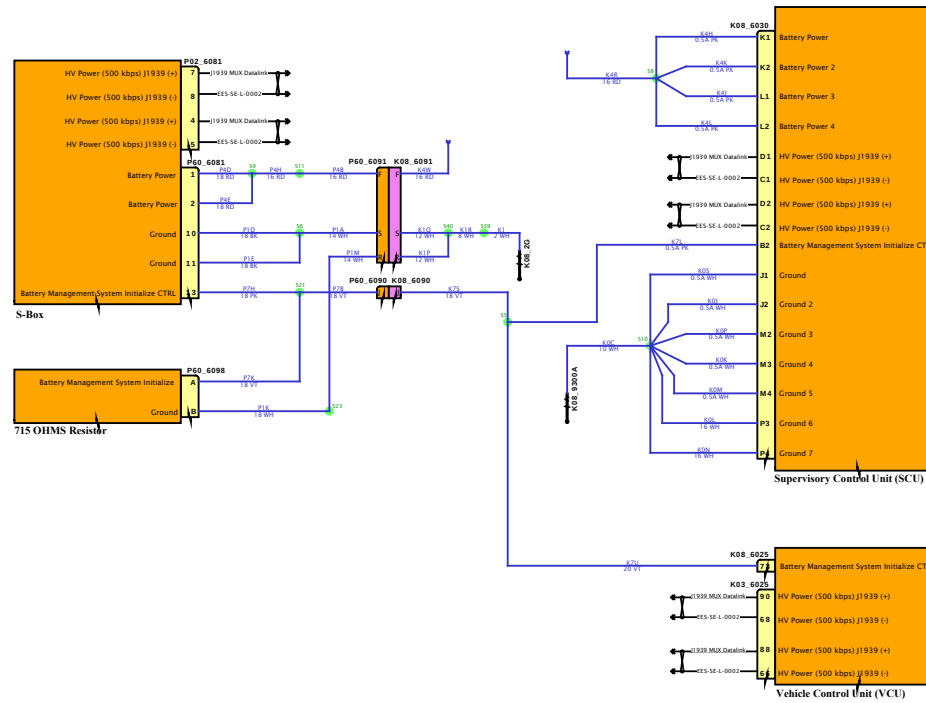
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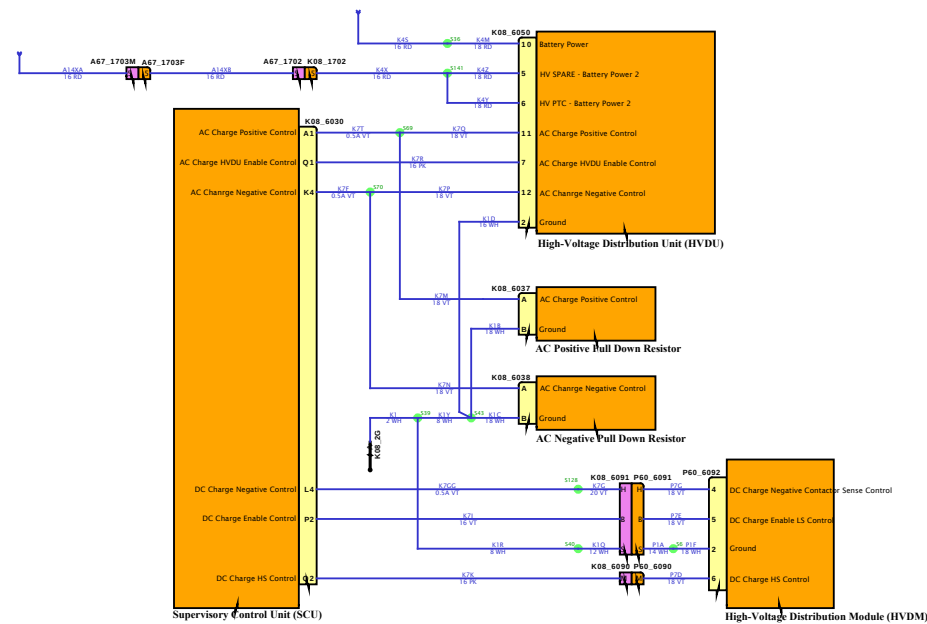
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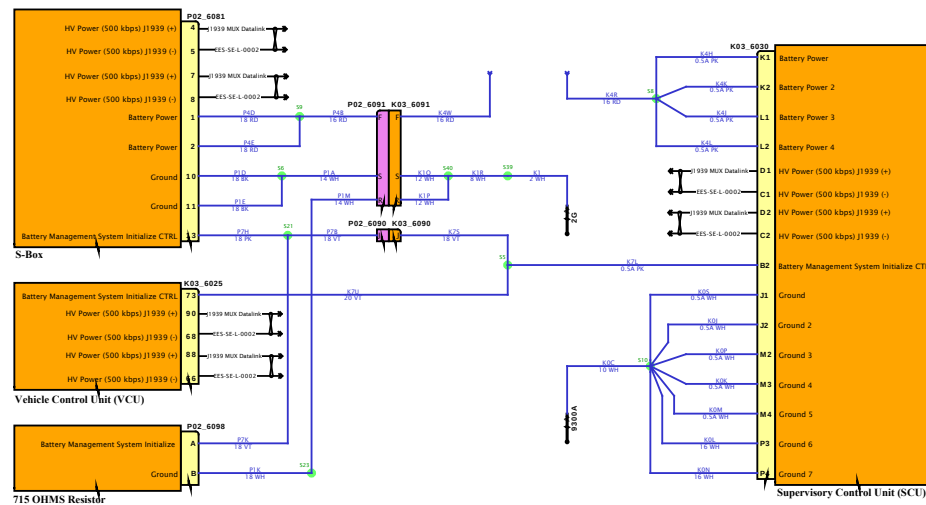
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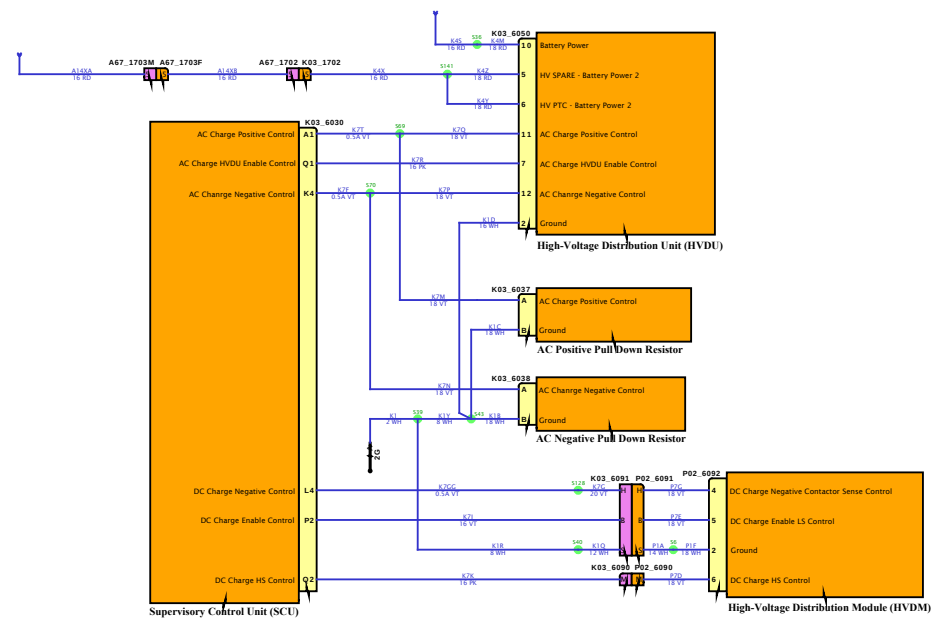


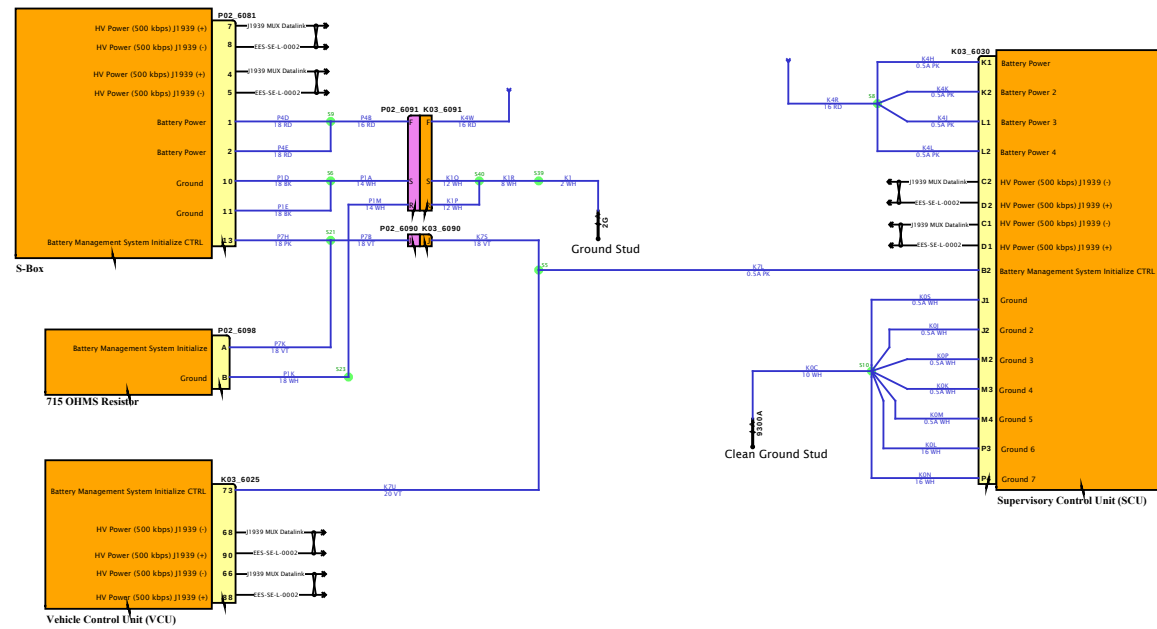
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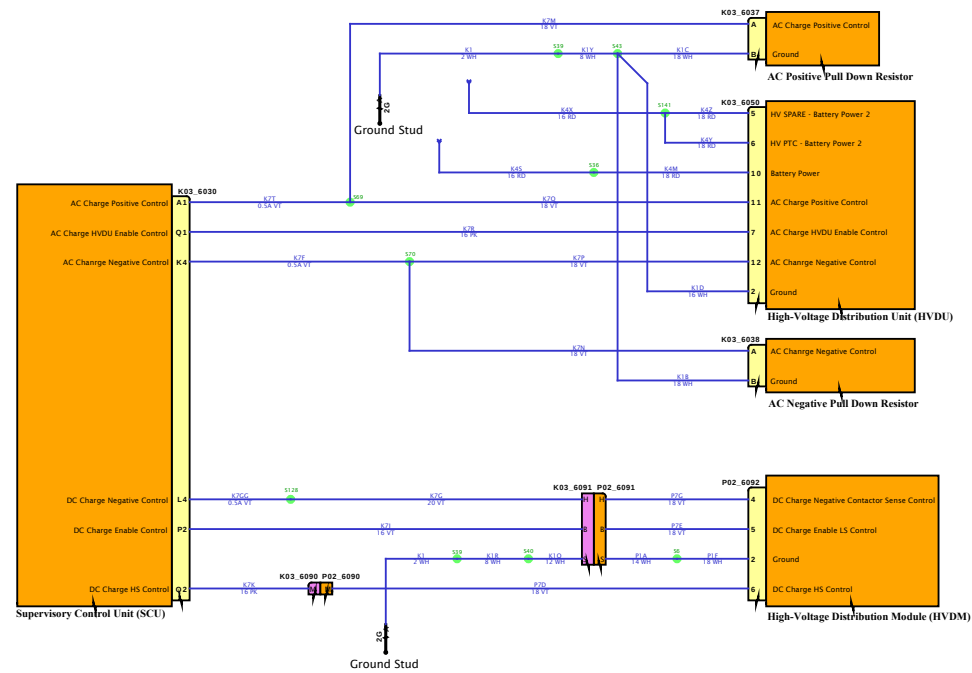




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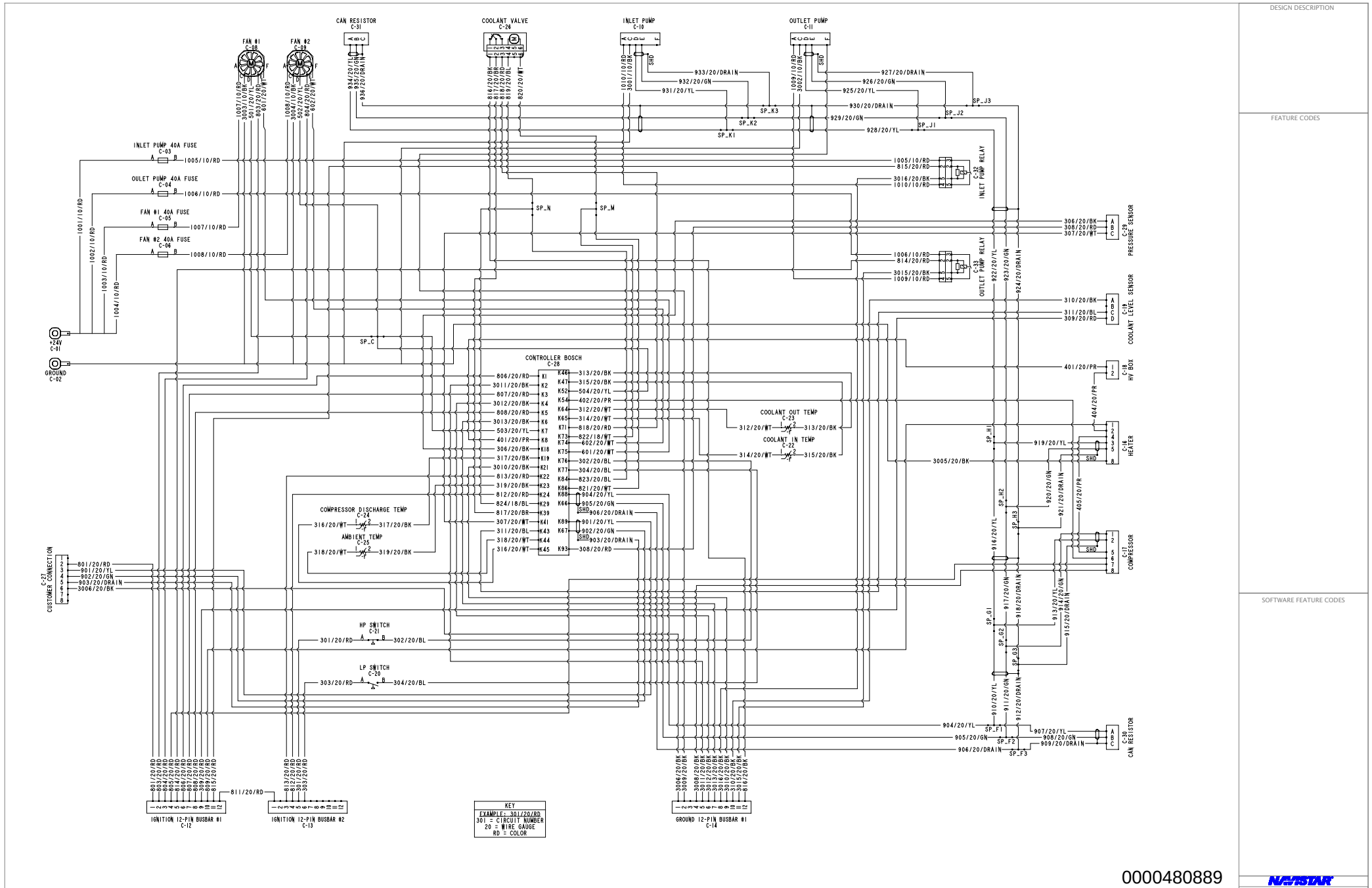
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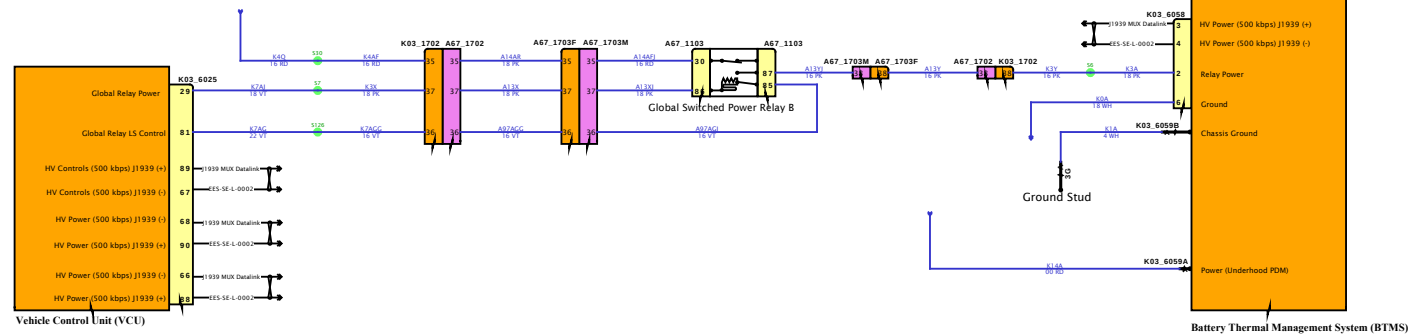
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NAPA
 QUALITY OF CONSTRUCTION GUARANTEED

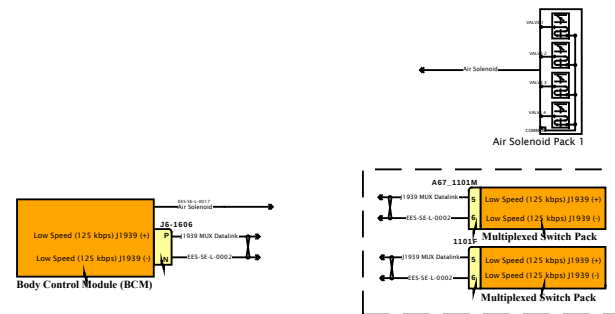


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Diagram1

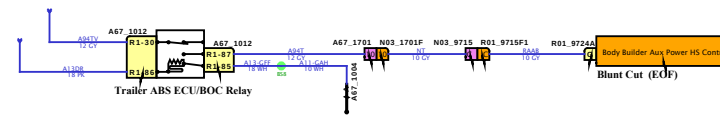


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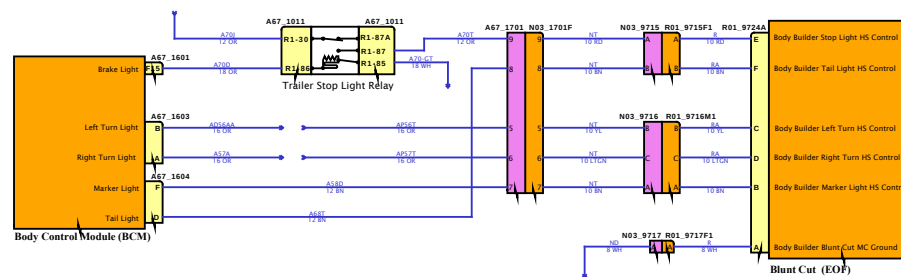


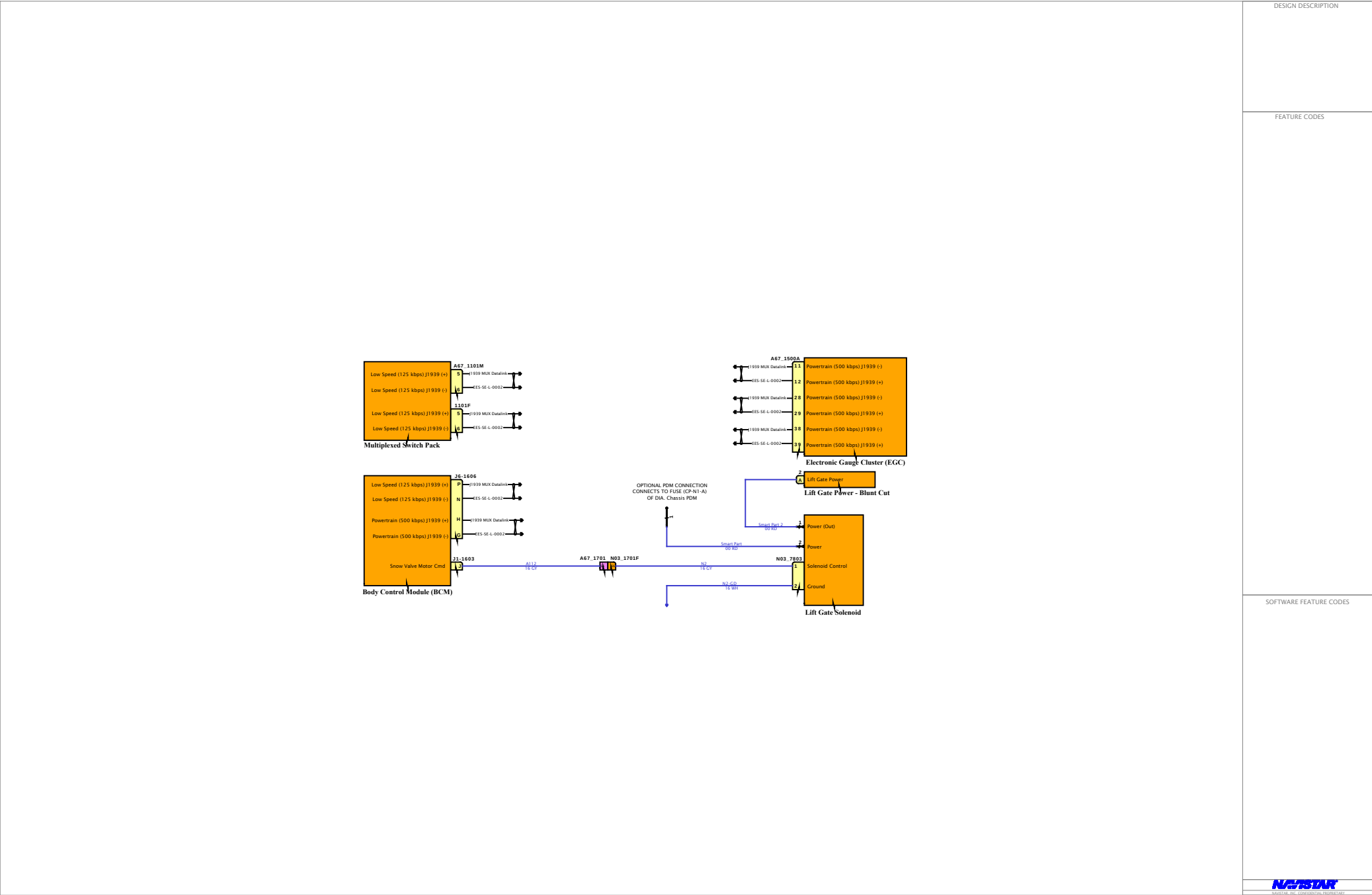


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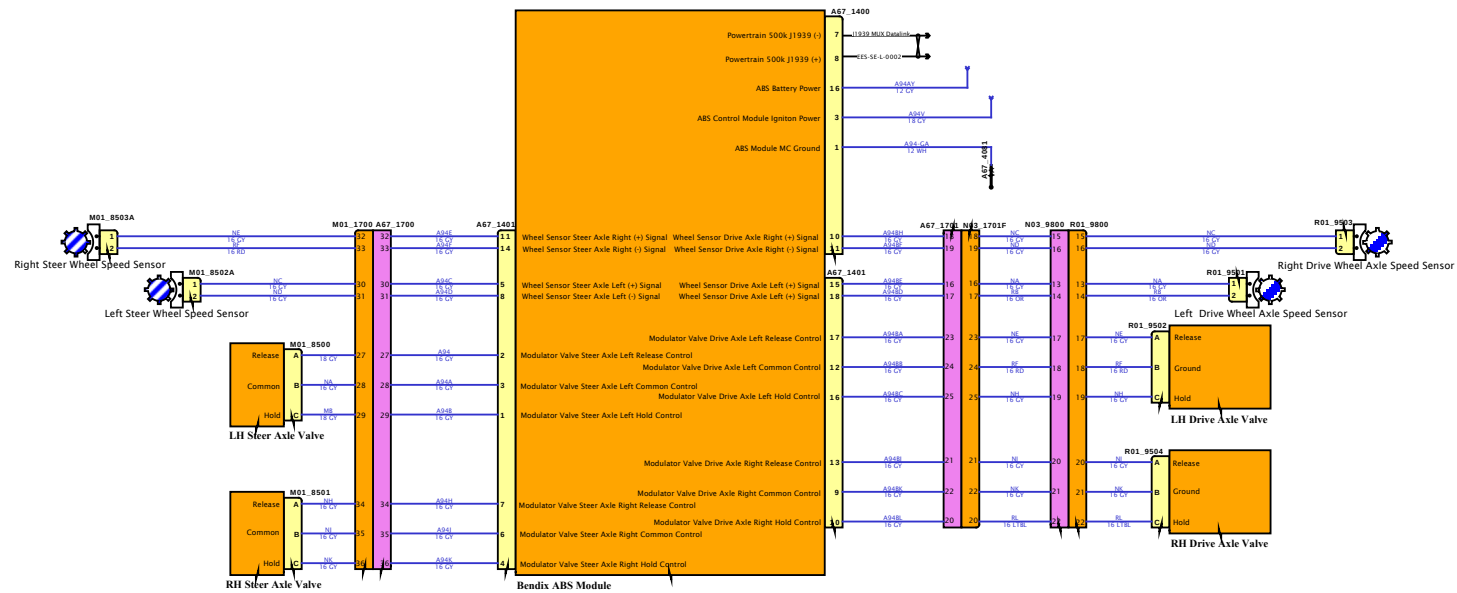
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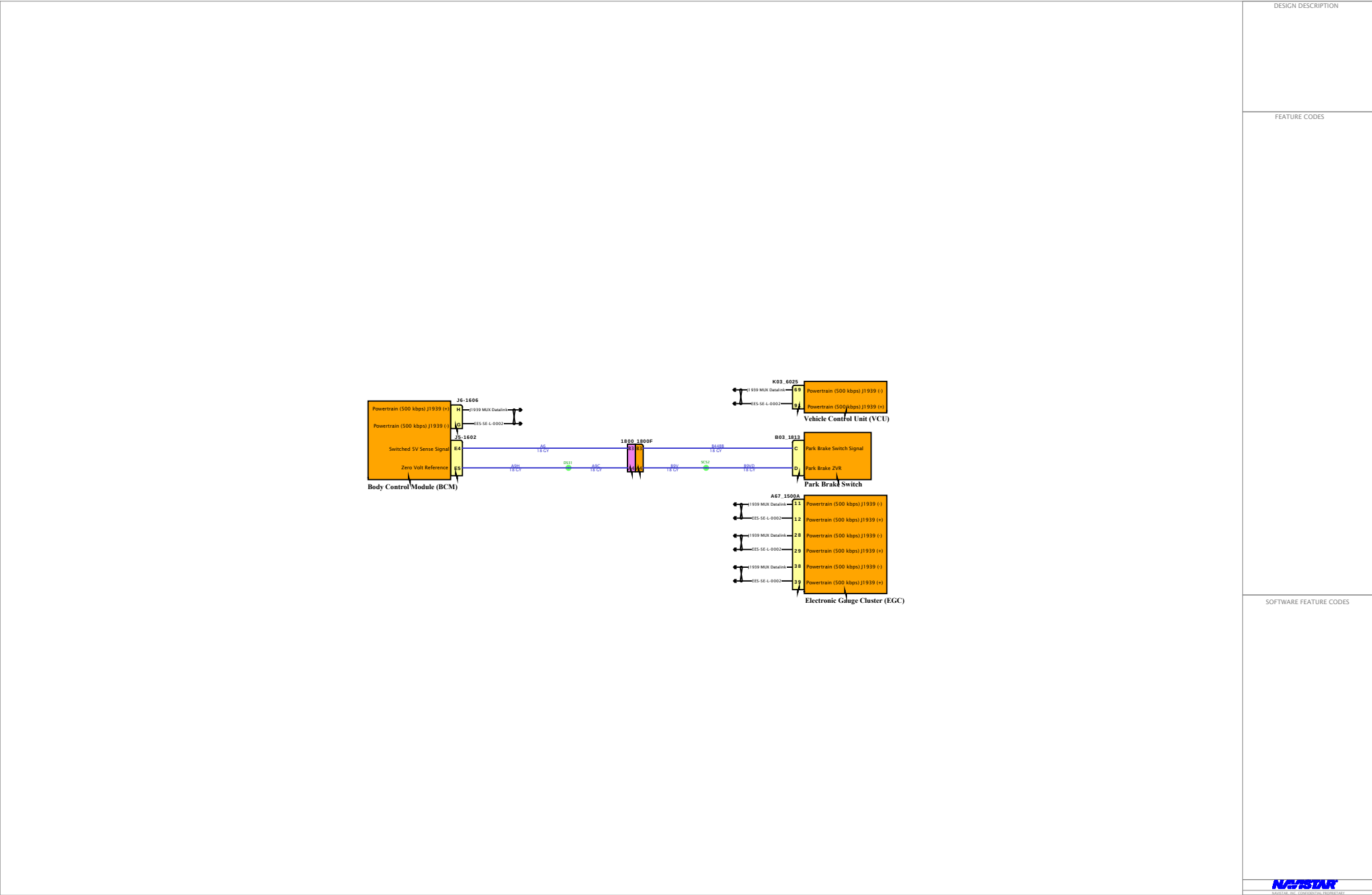


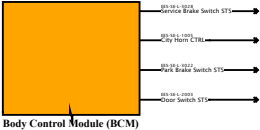
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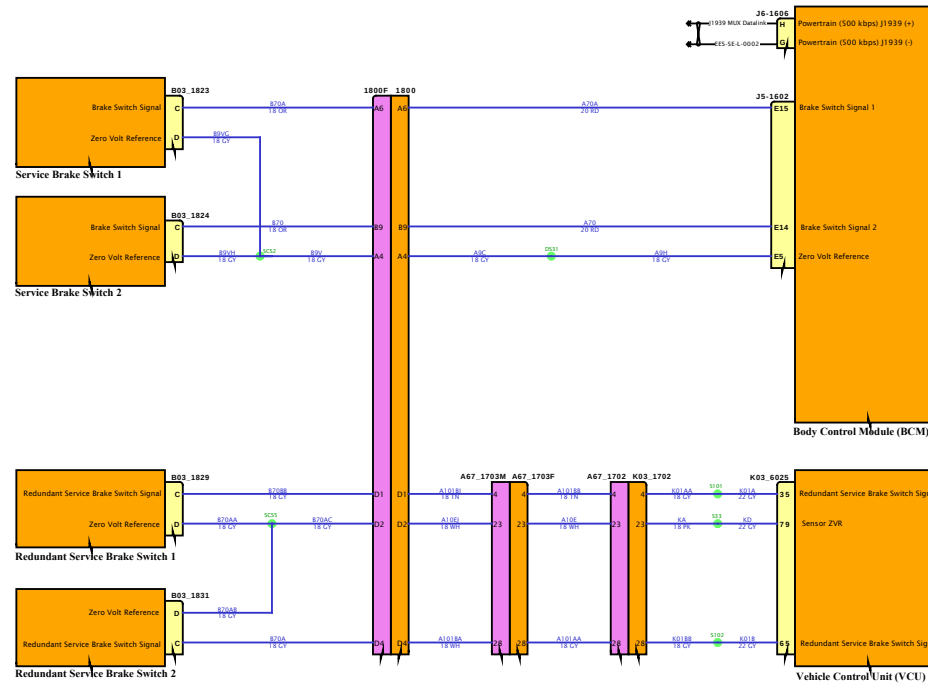
FEATURE CODES



SOFTWARE FEATURE CODES



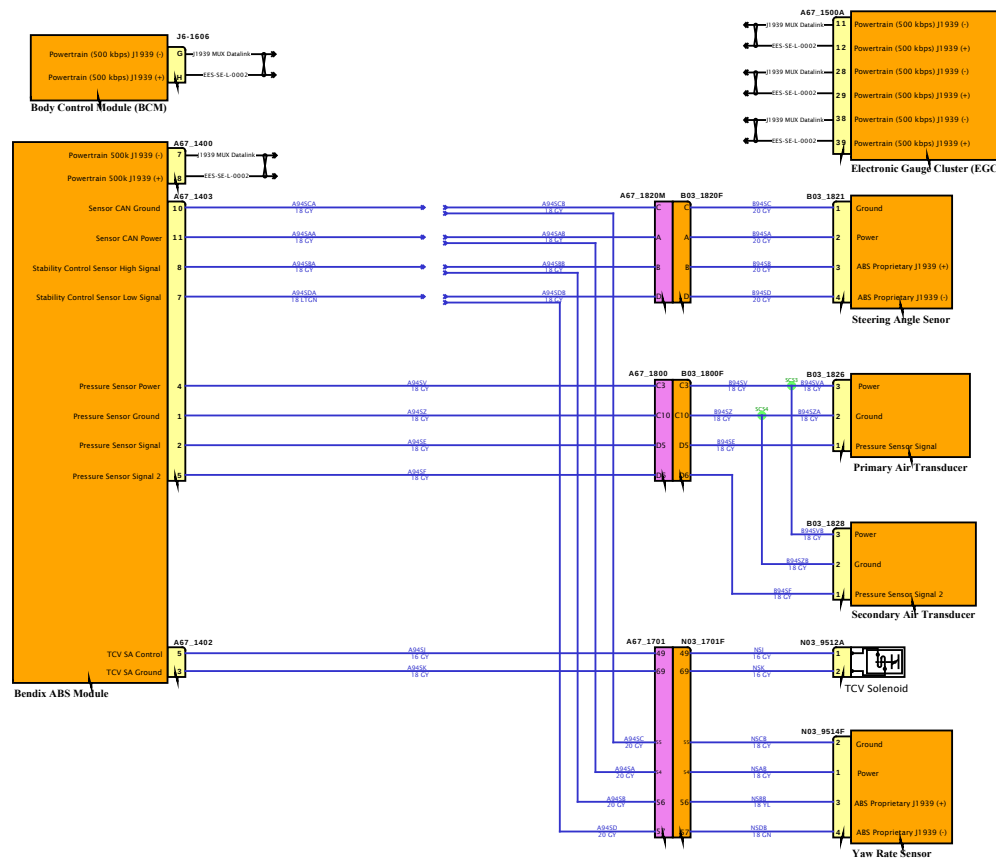
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	FEATURE CODES
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 NAVSTAR NAVIGATION SYSTEMS	



DESIGN DESCRIPTION

FEATURE CODES

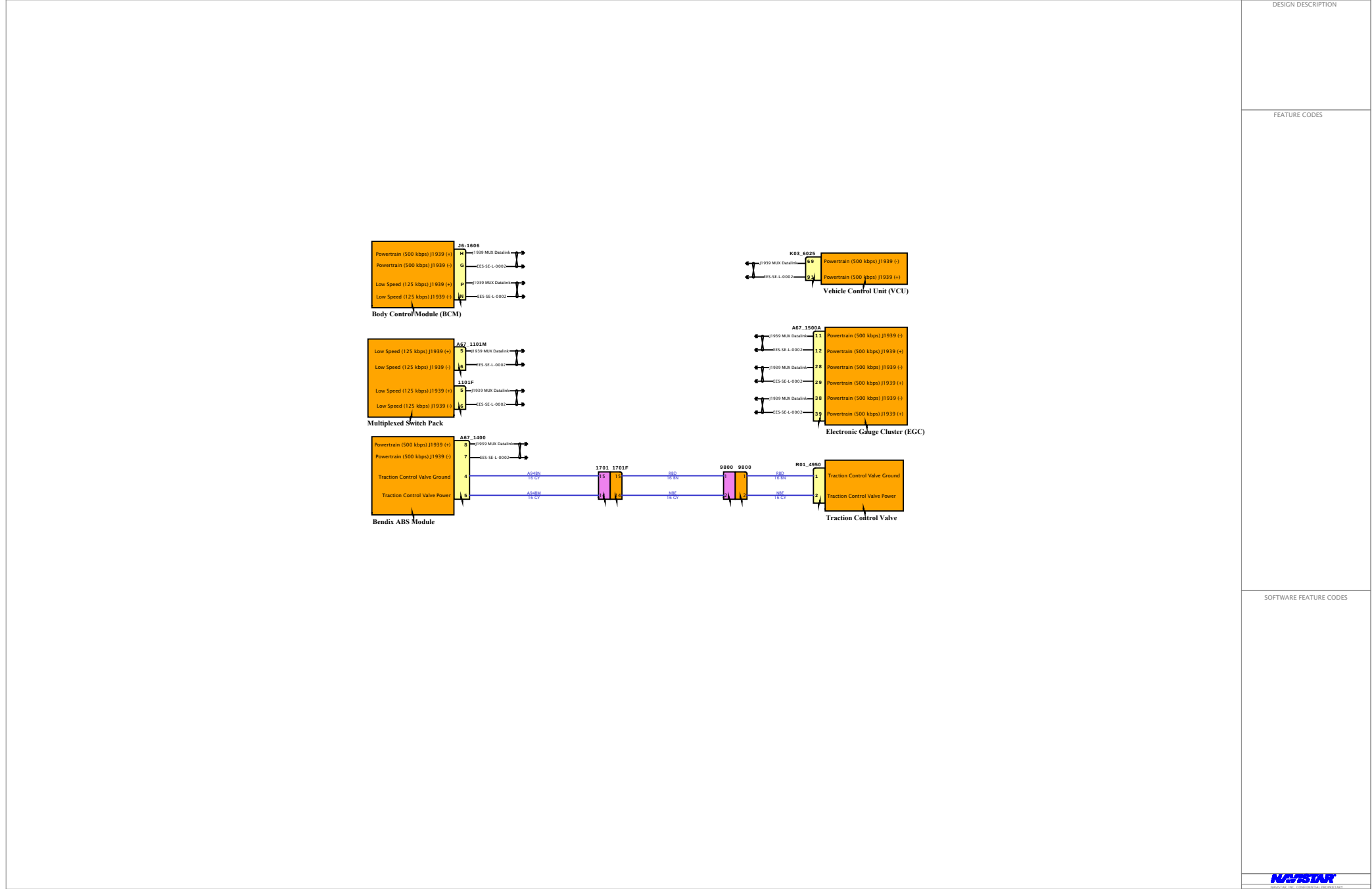
SOFTWARE FEATURE CODES



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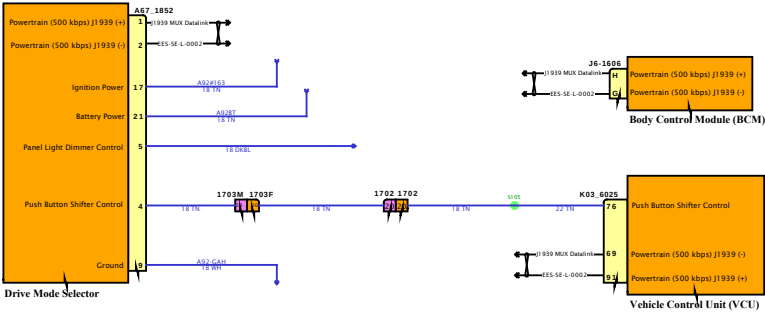
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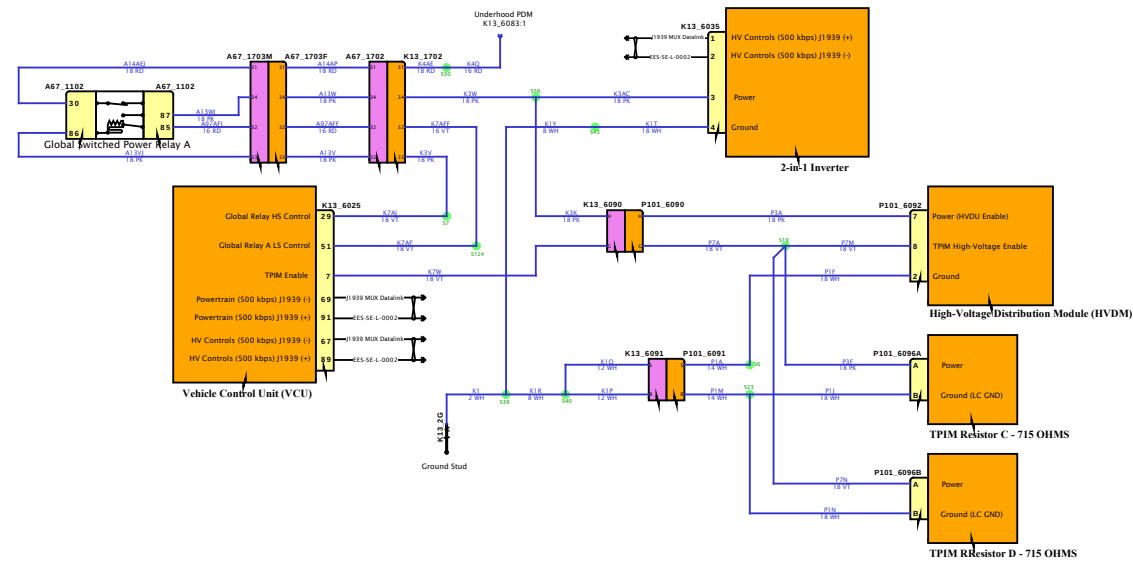


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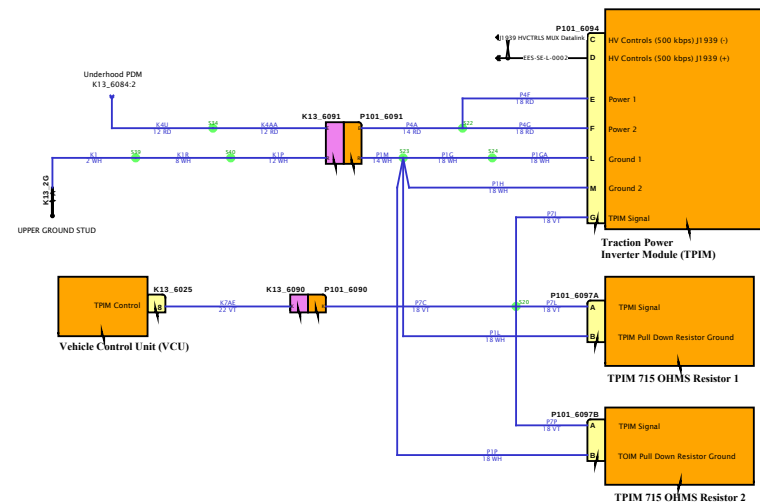
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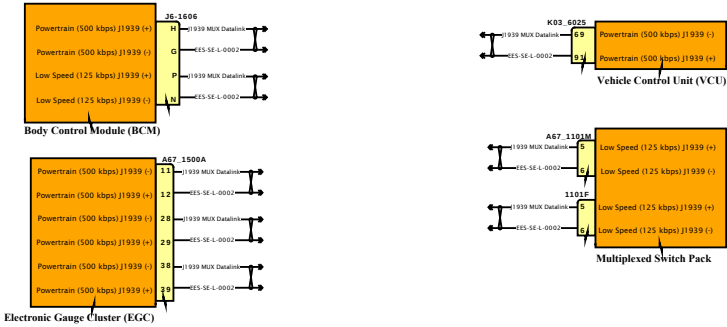


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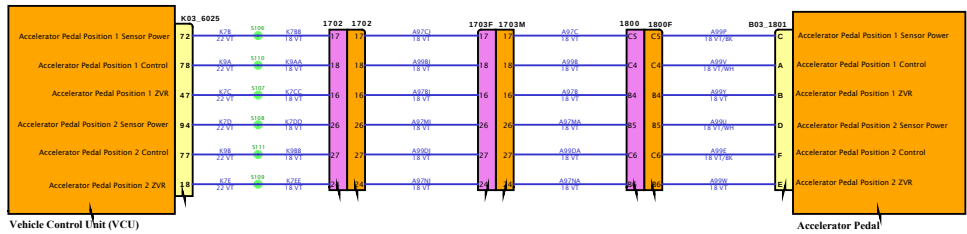
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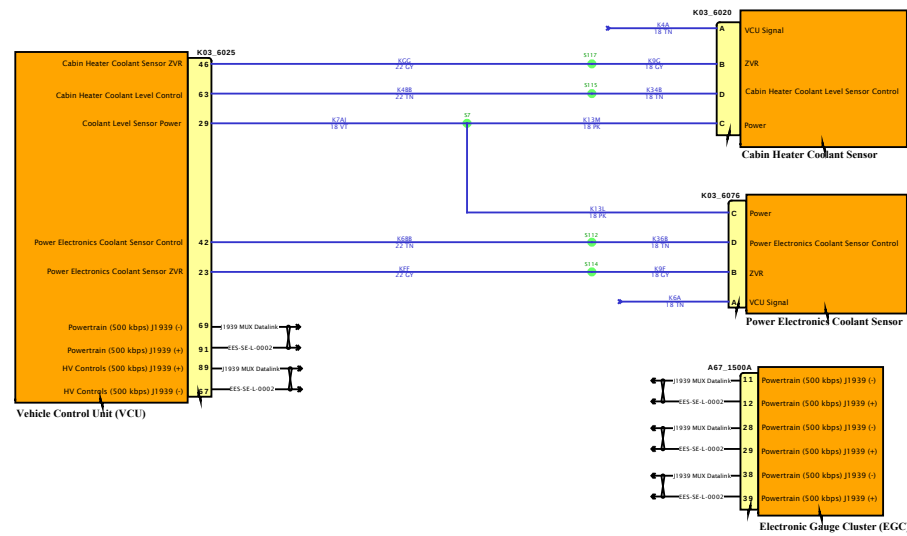
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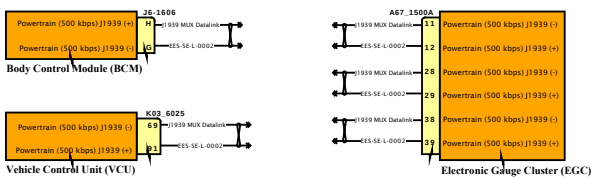
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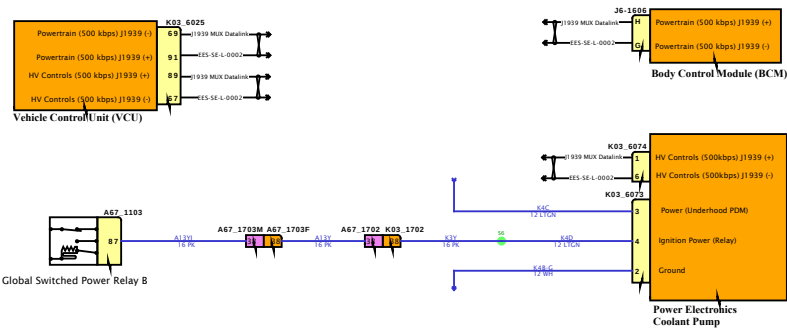


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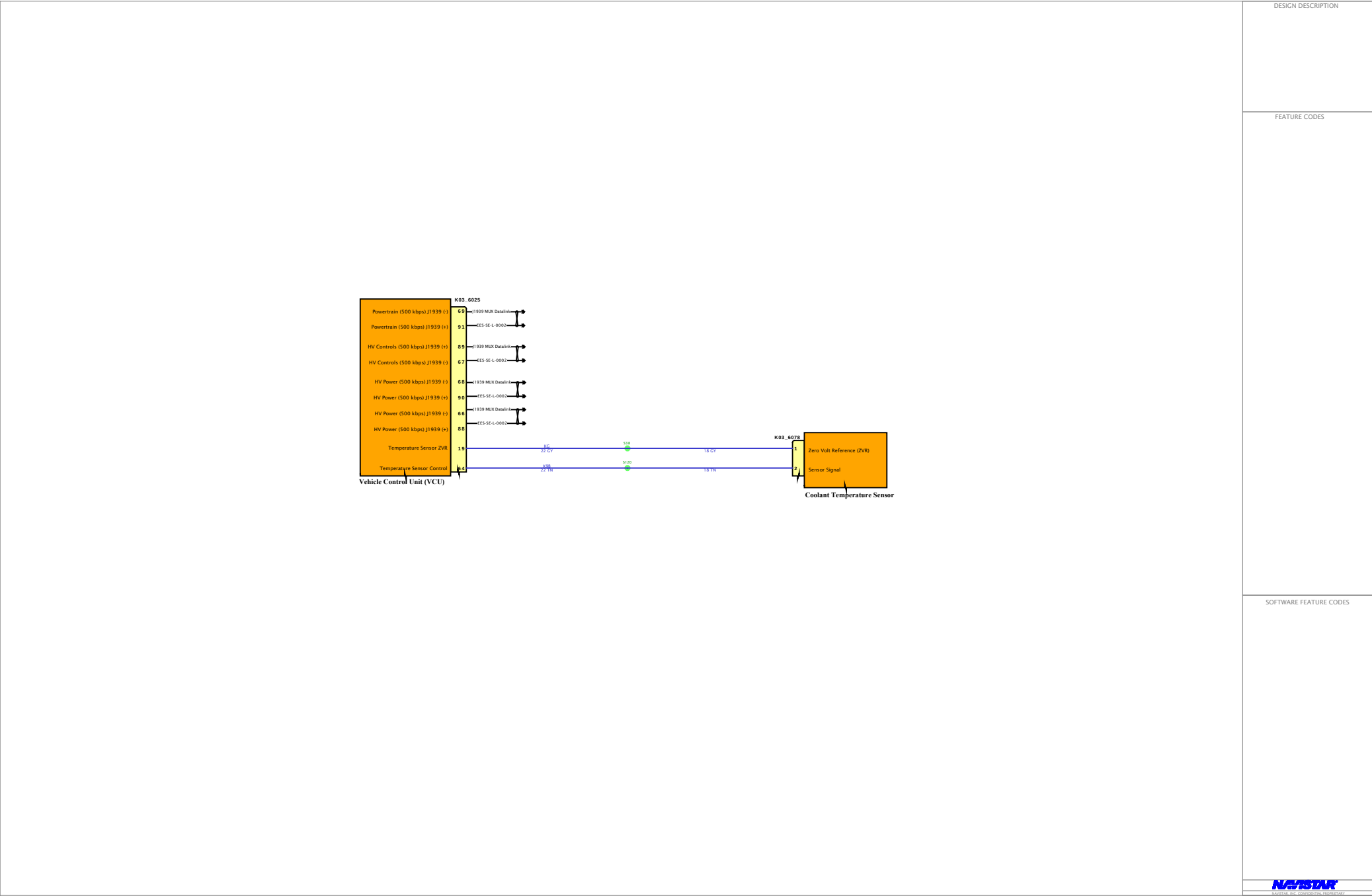




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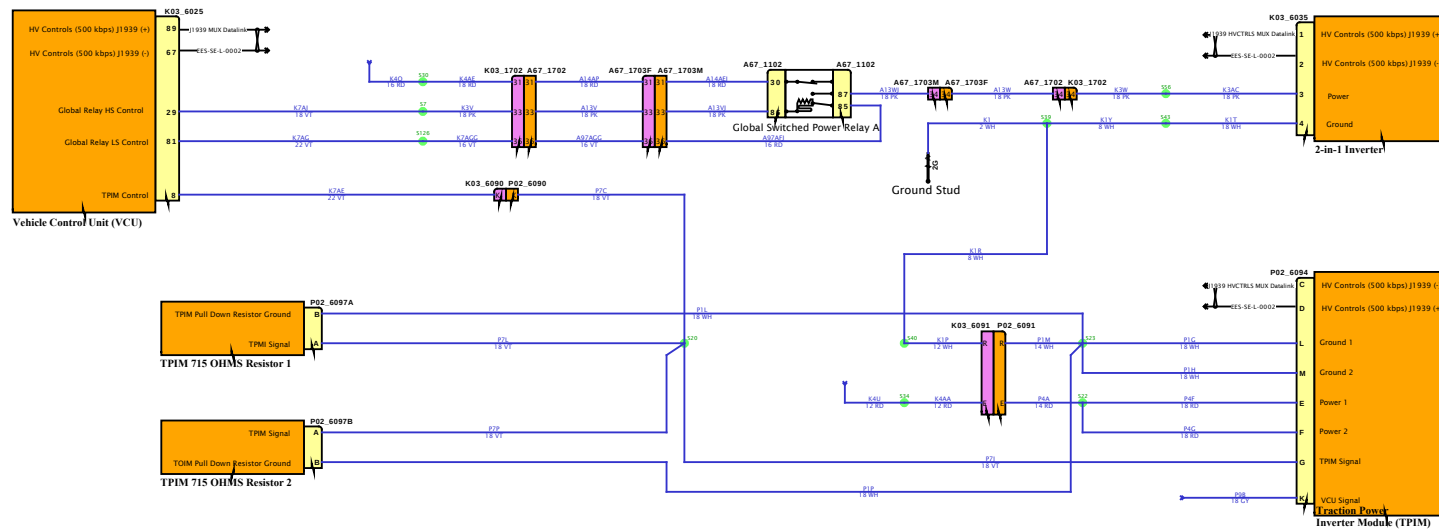
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DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



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FEATURE CODES

SOFTWARE FEATURE CODES

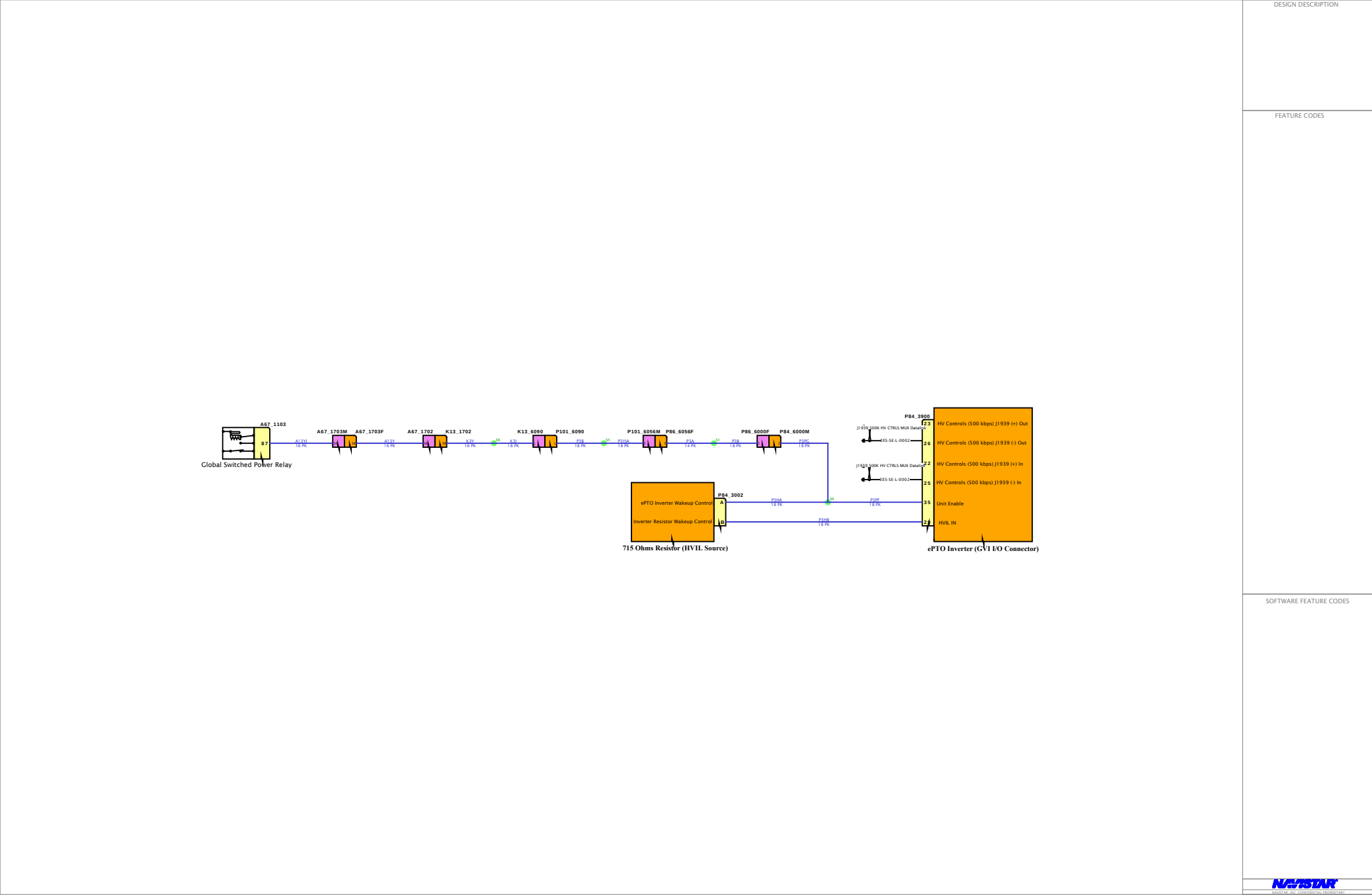
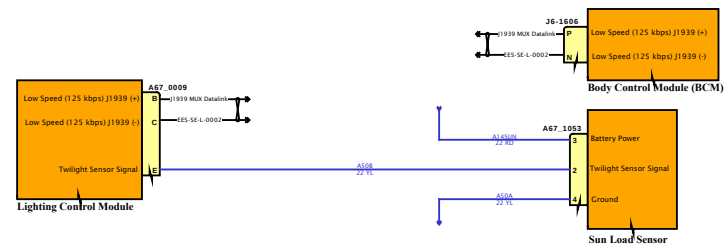




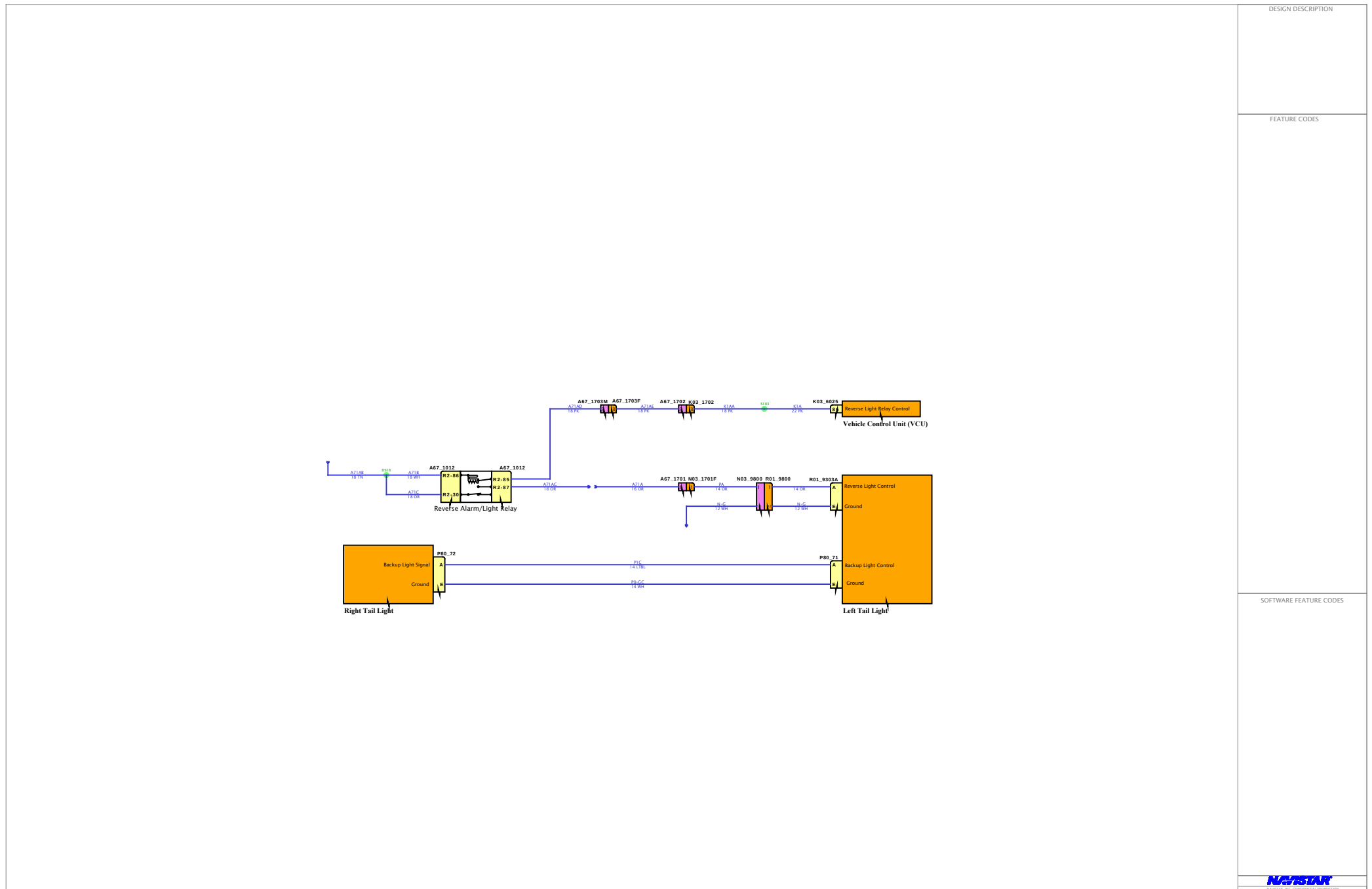
Diagram1

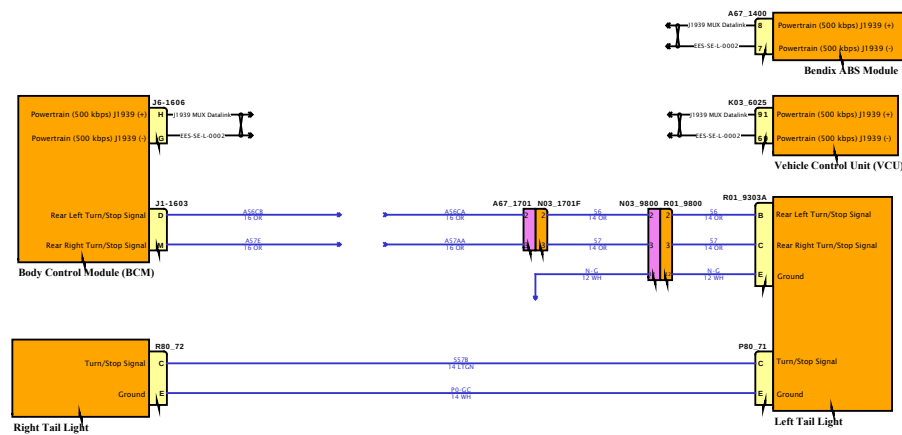


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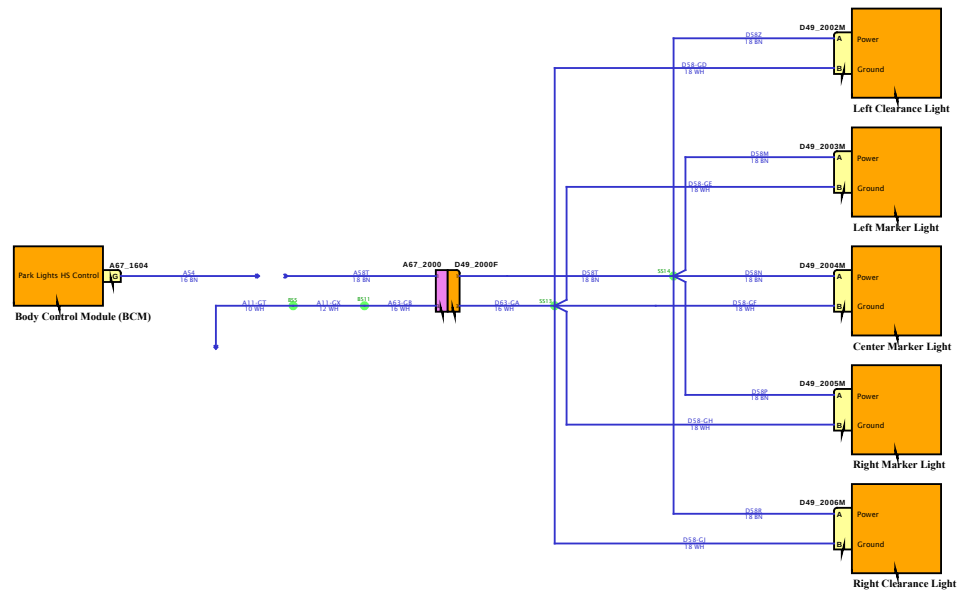




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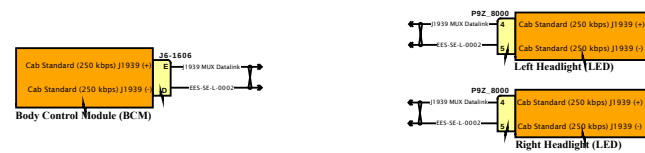


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Diagram1



DESIGN DESCRIPTION

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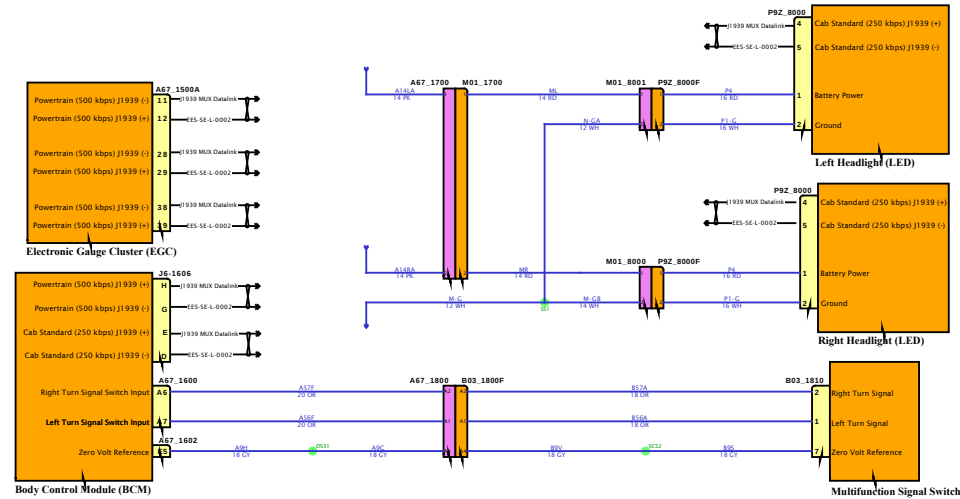
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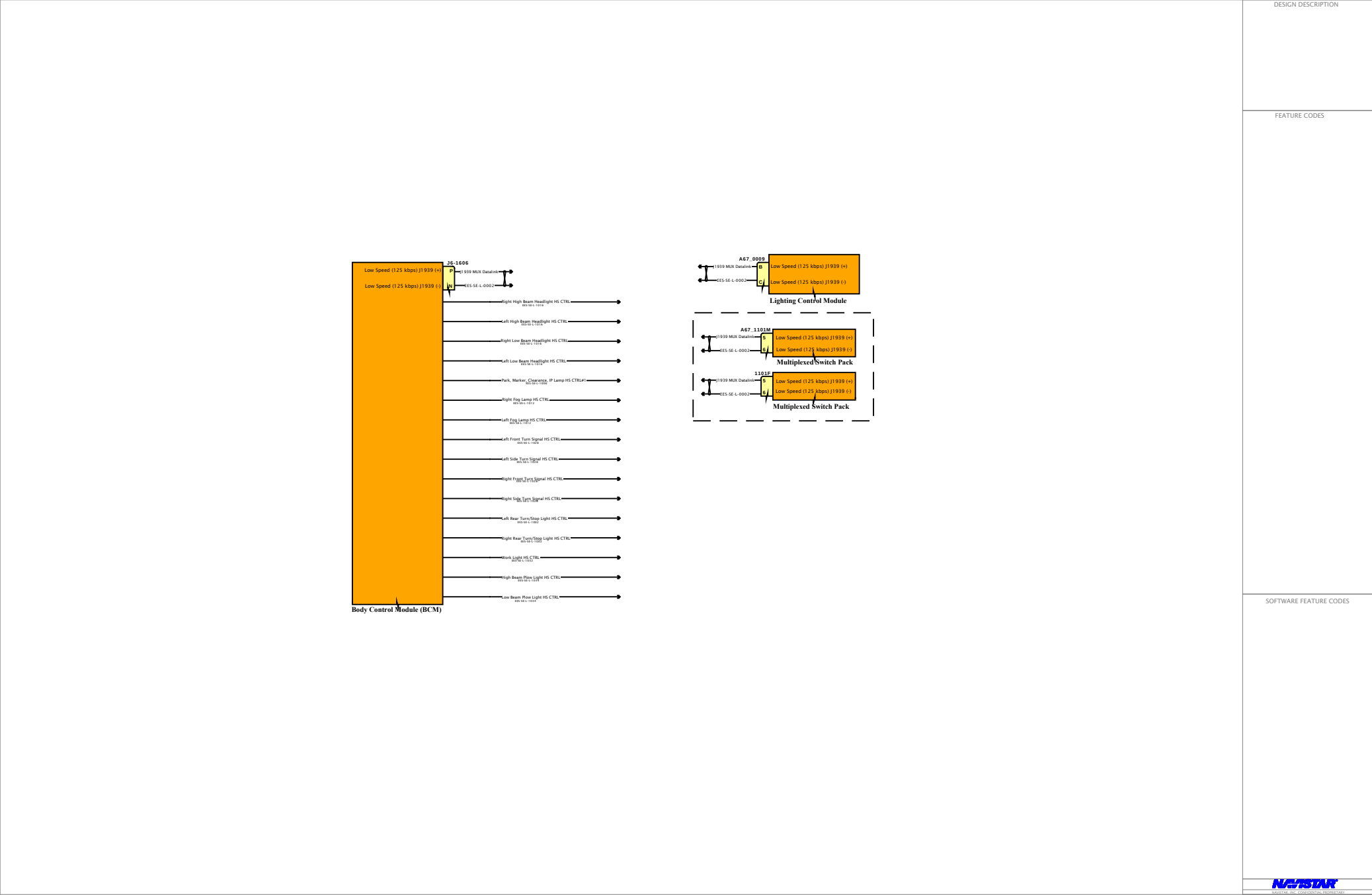
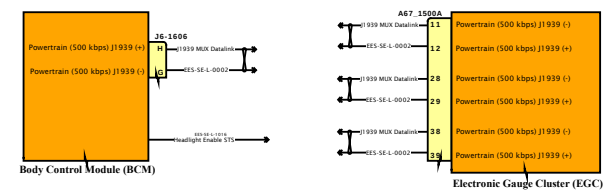


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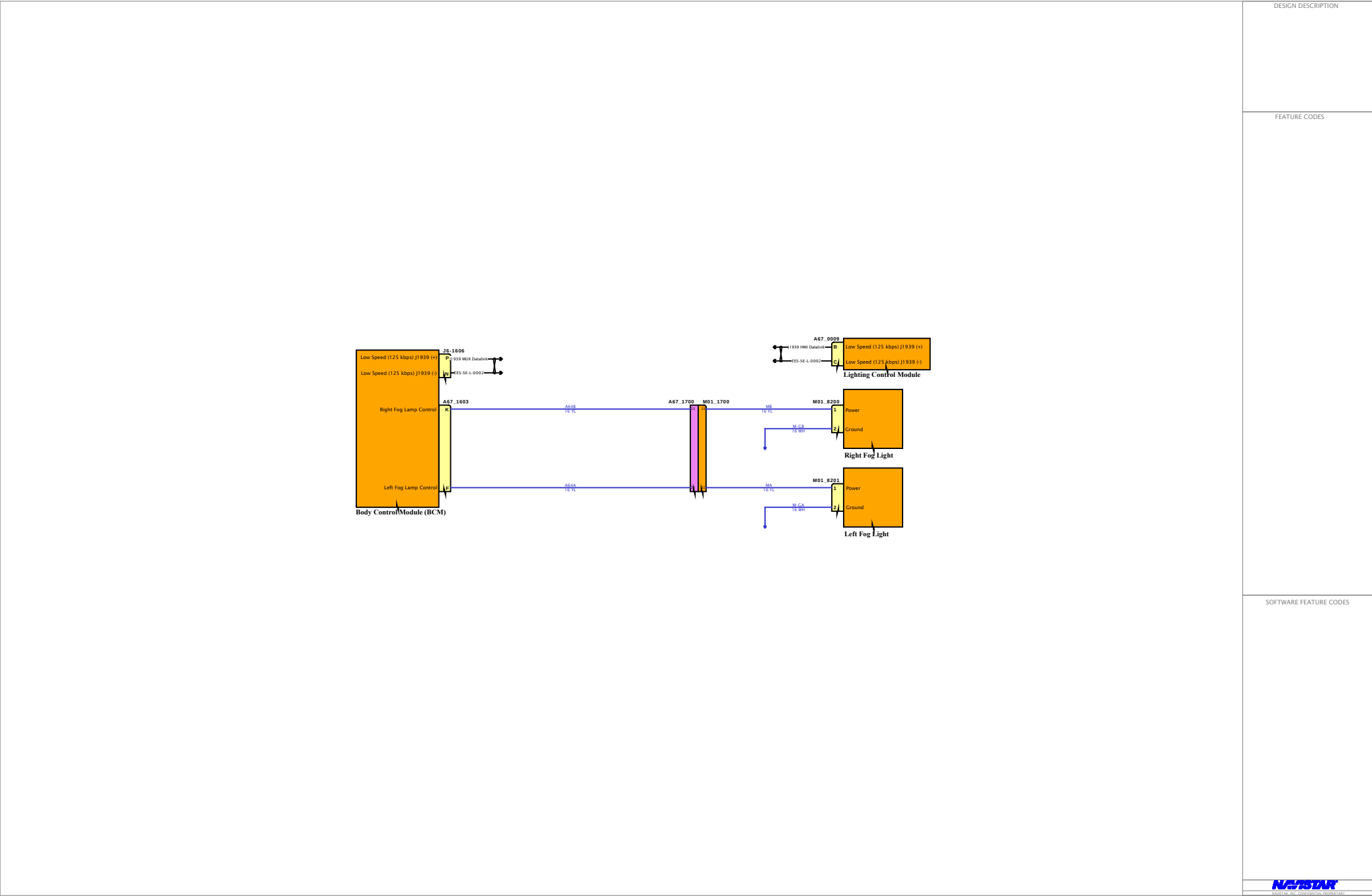


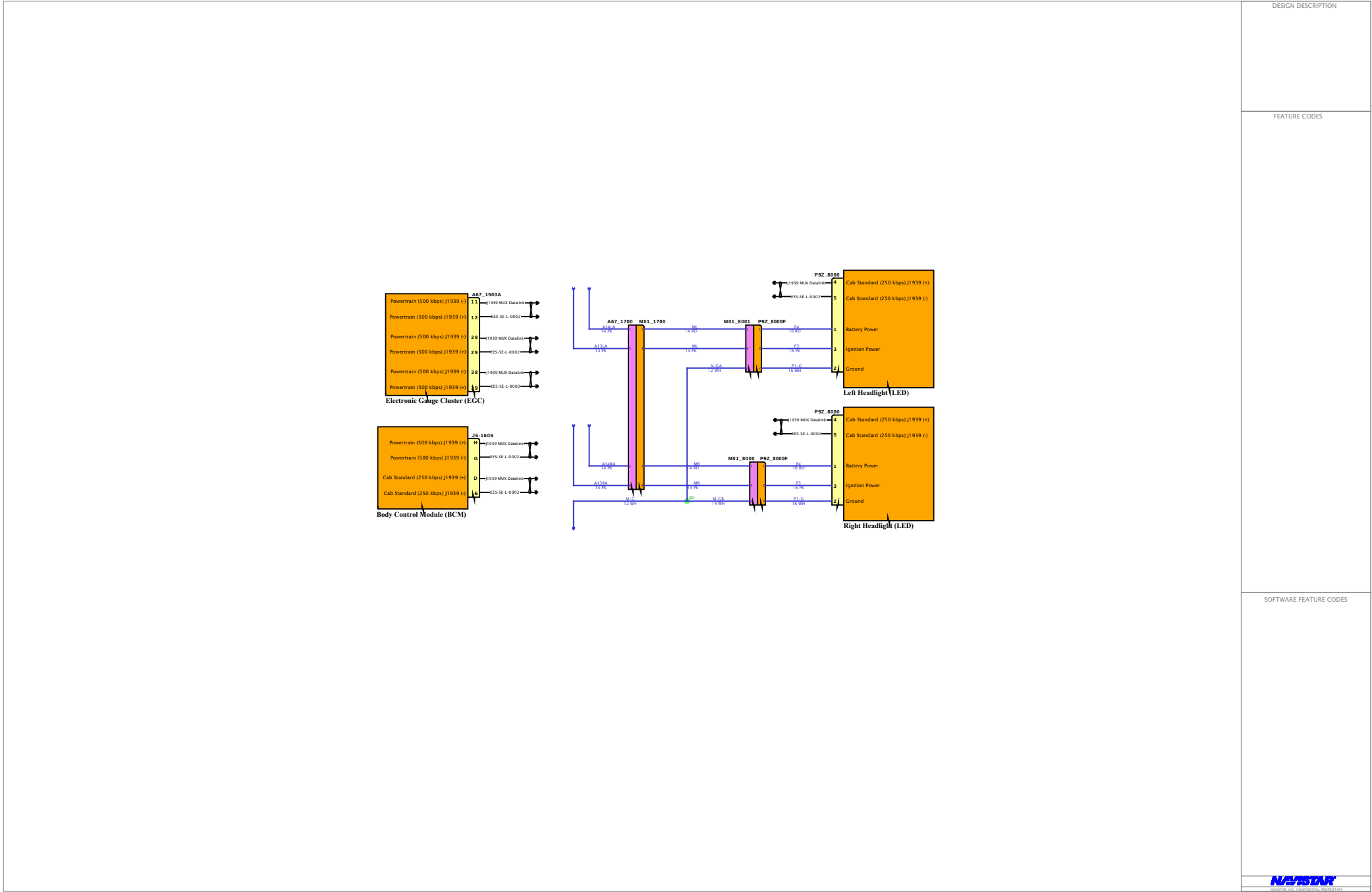
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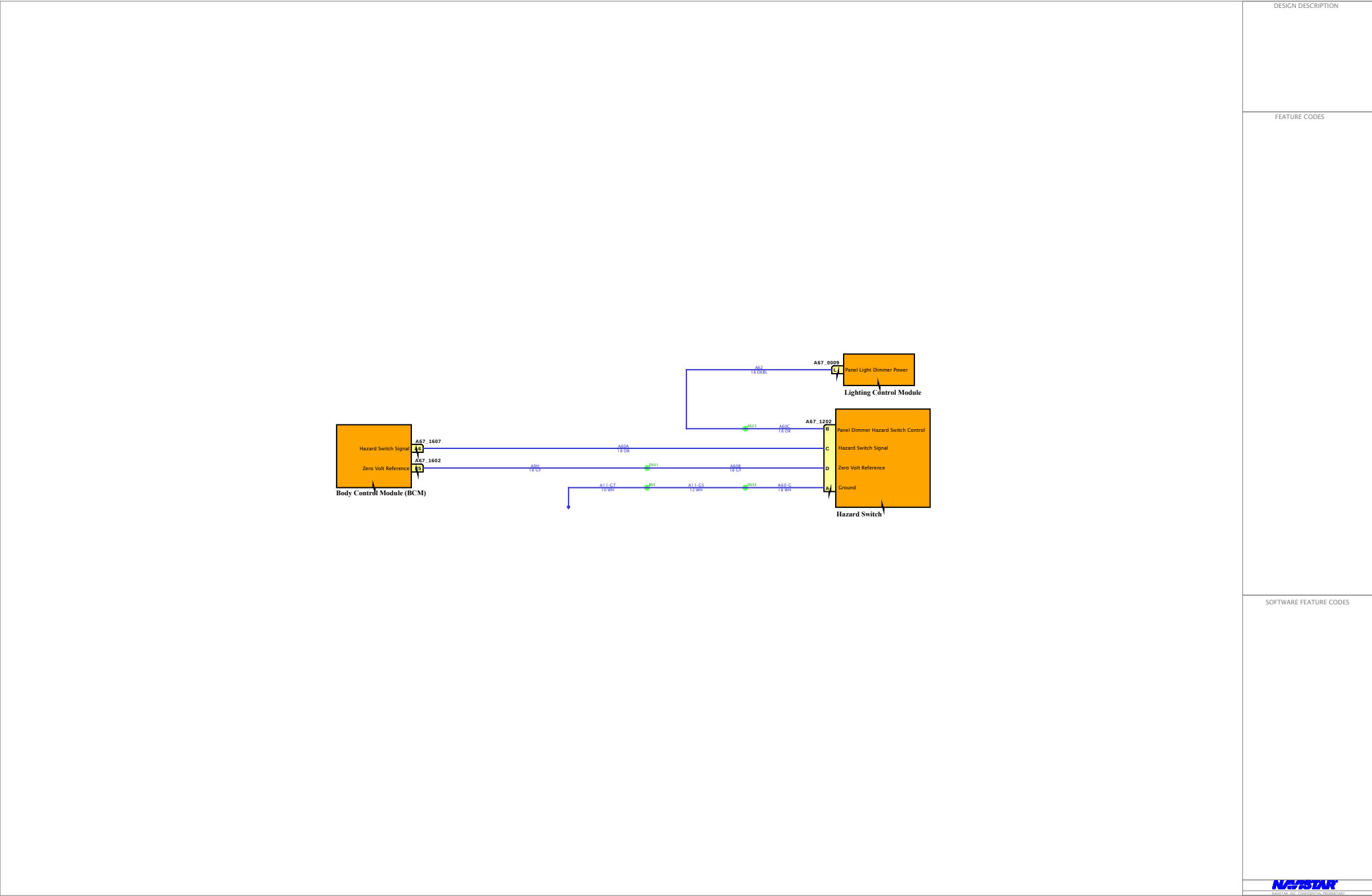
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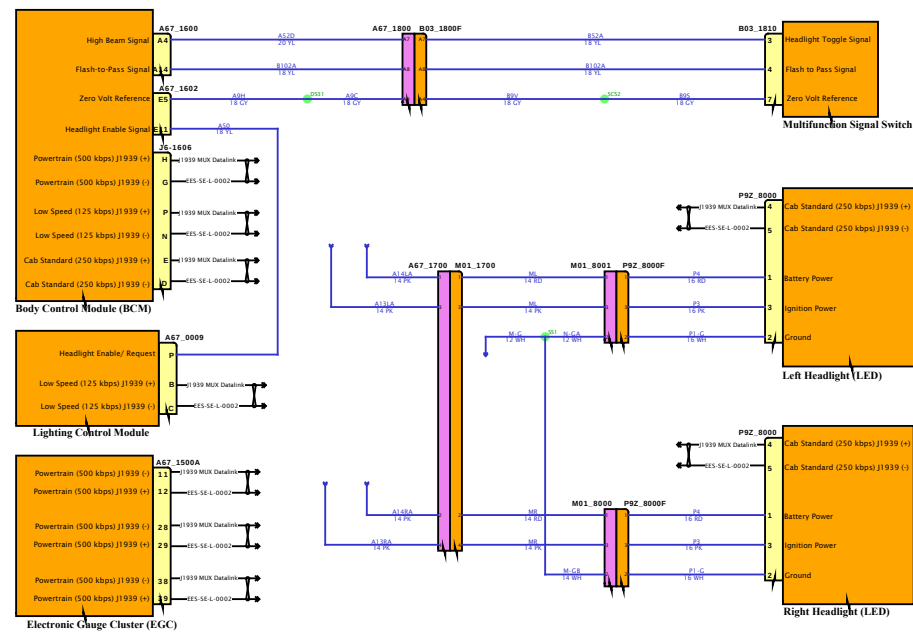
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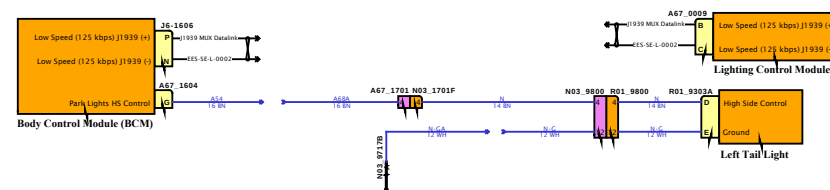








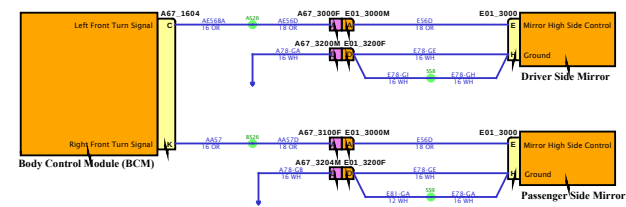
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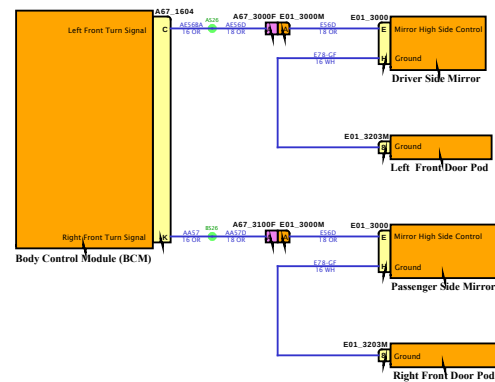
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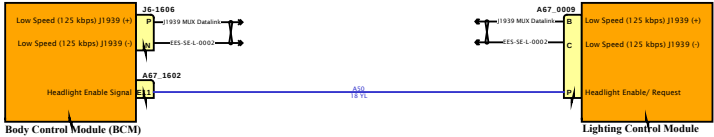
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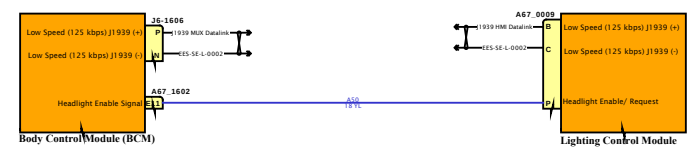
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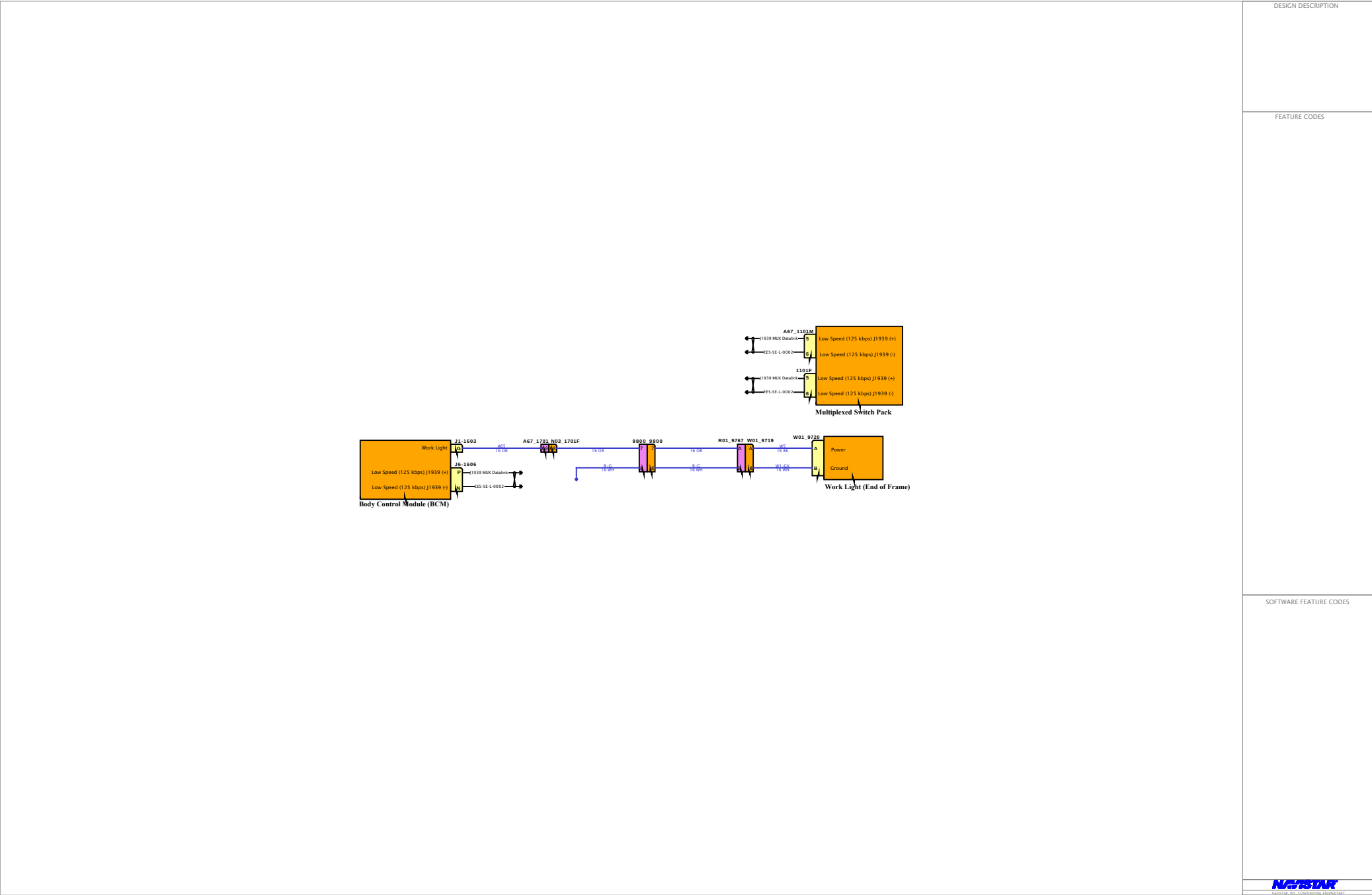
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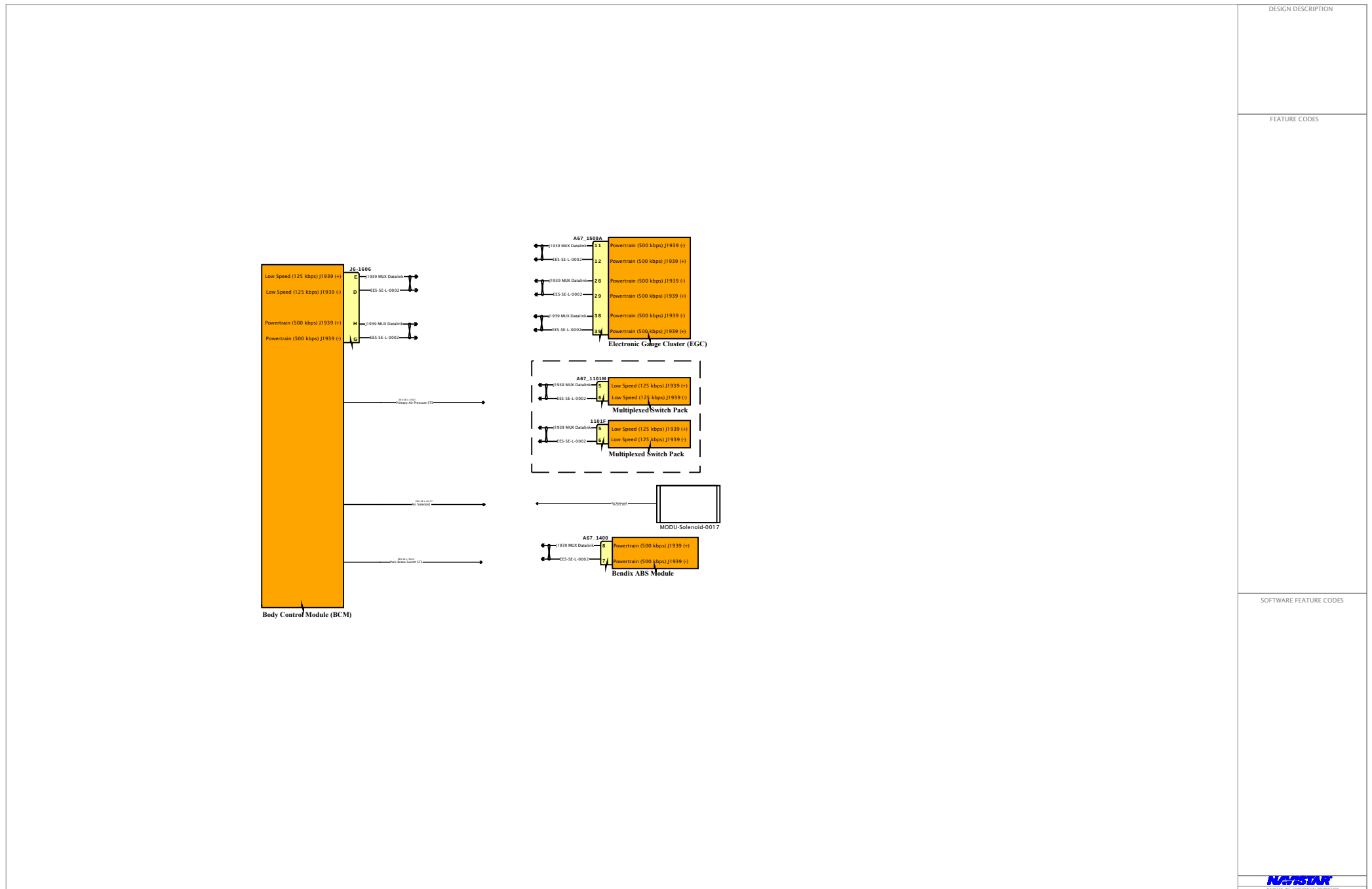


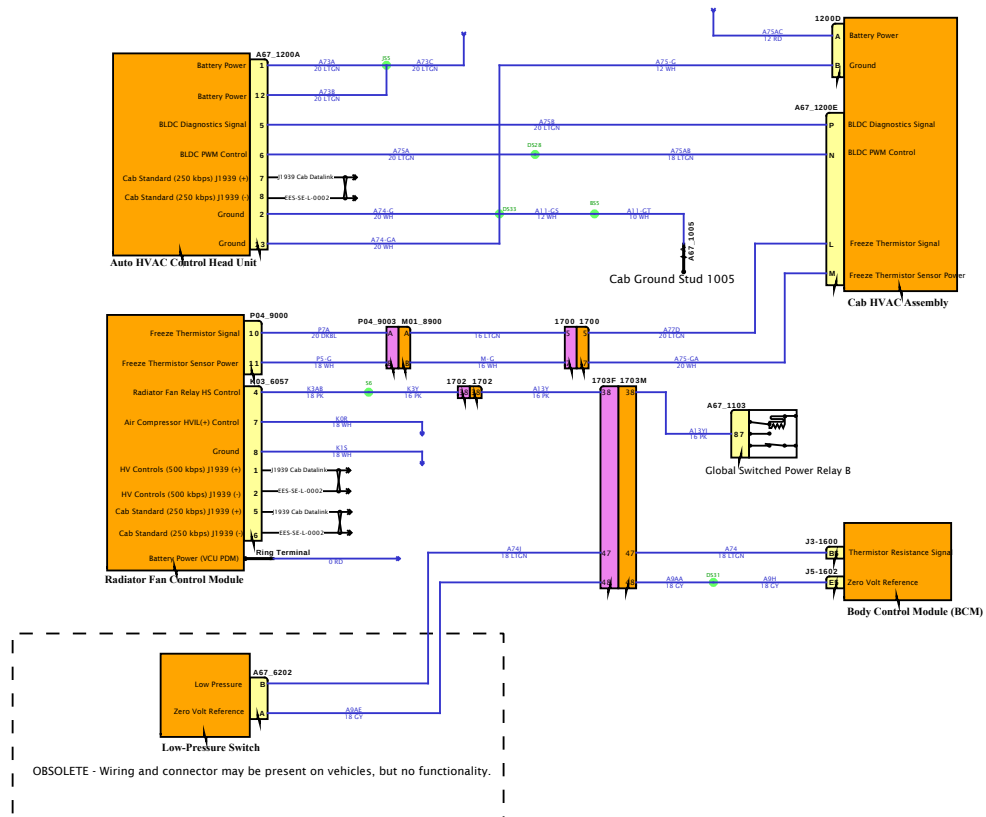
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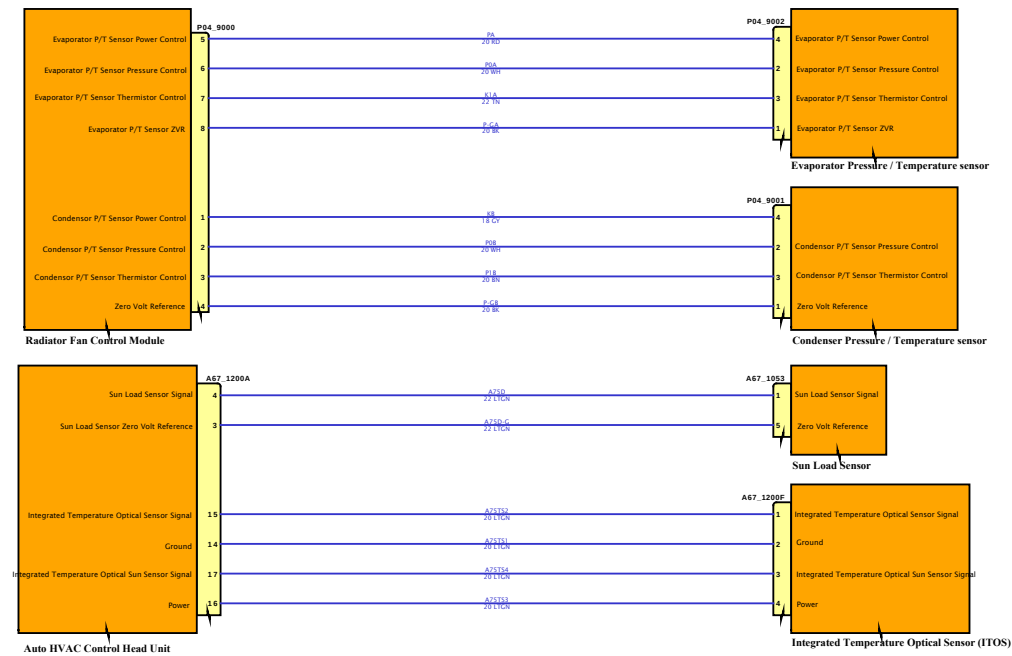




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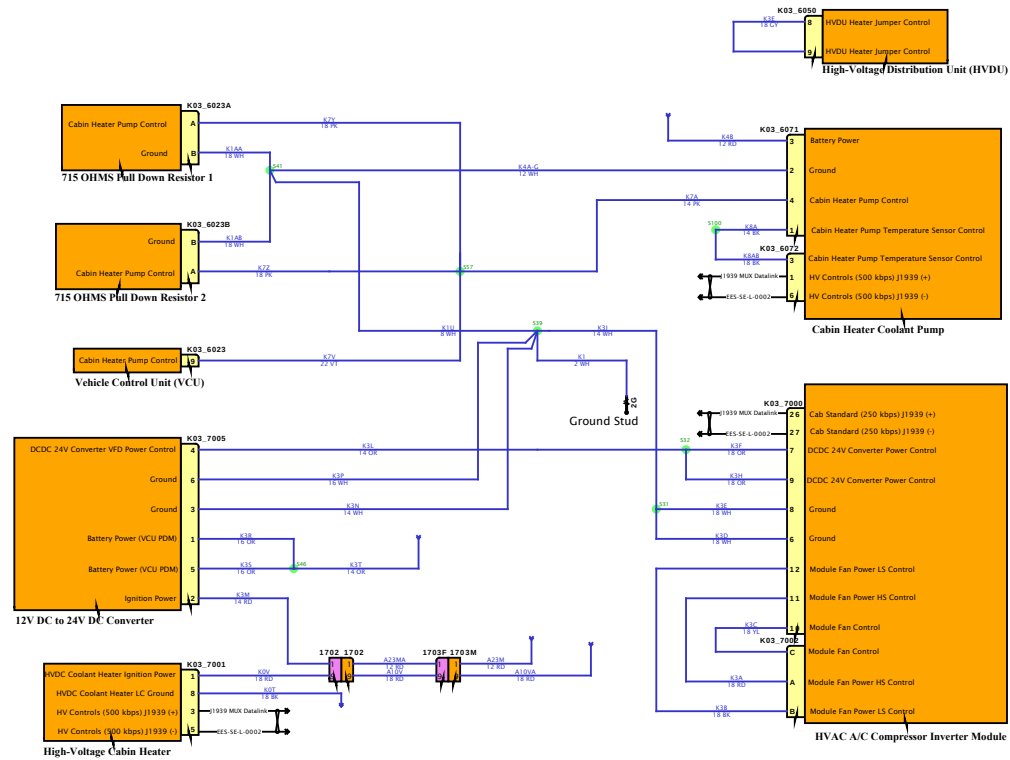
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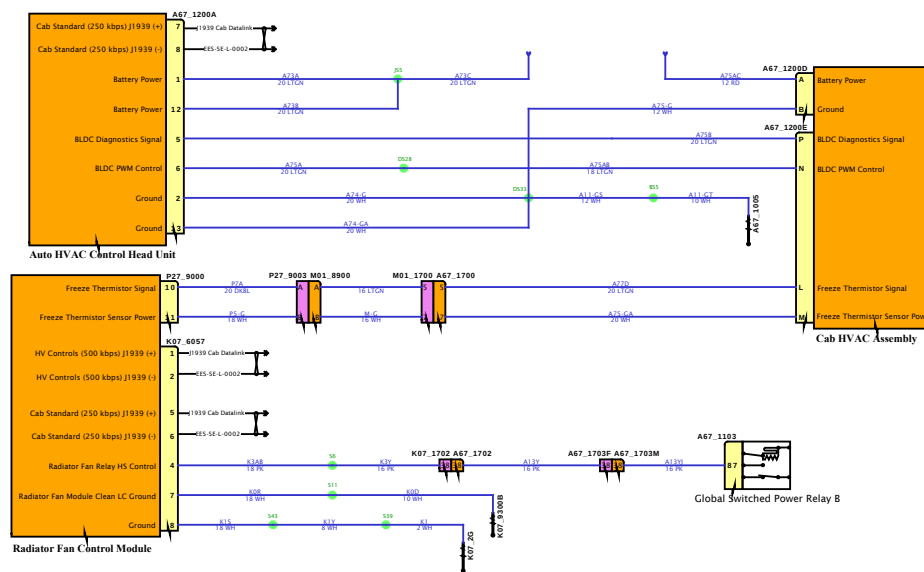
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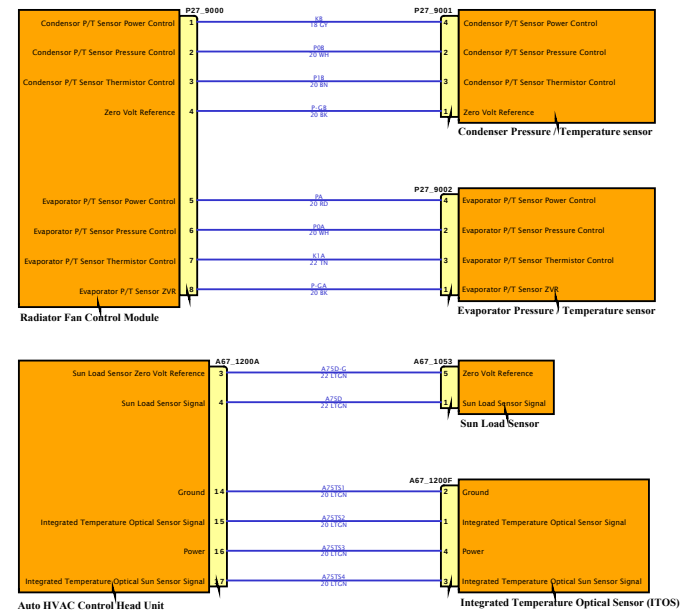
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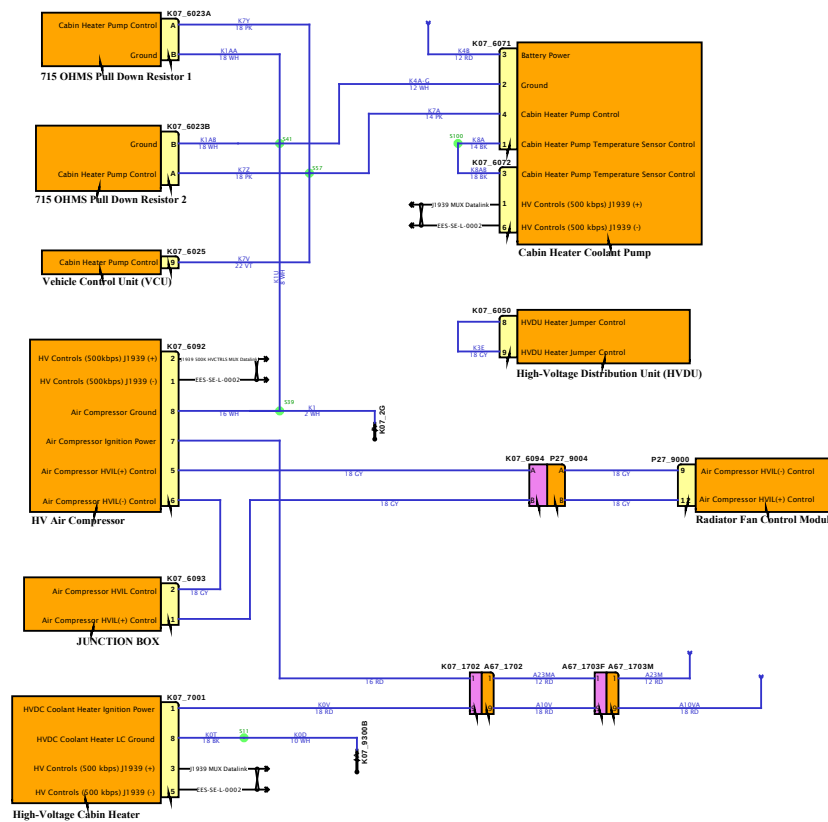
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DESIGN DESCRIPTION

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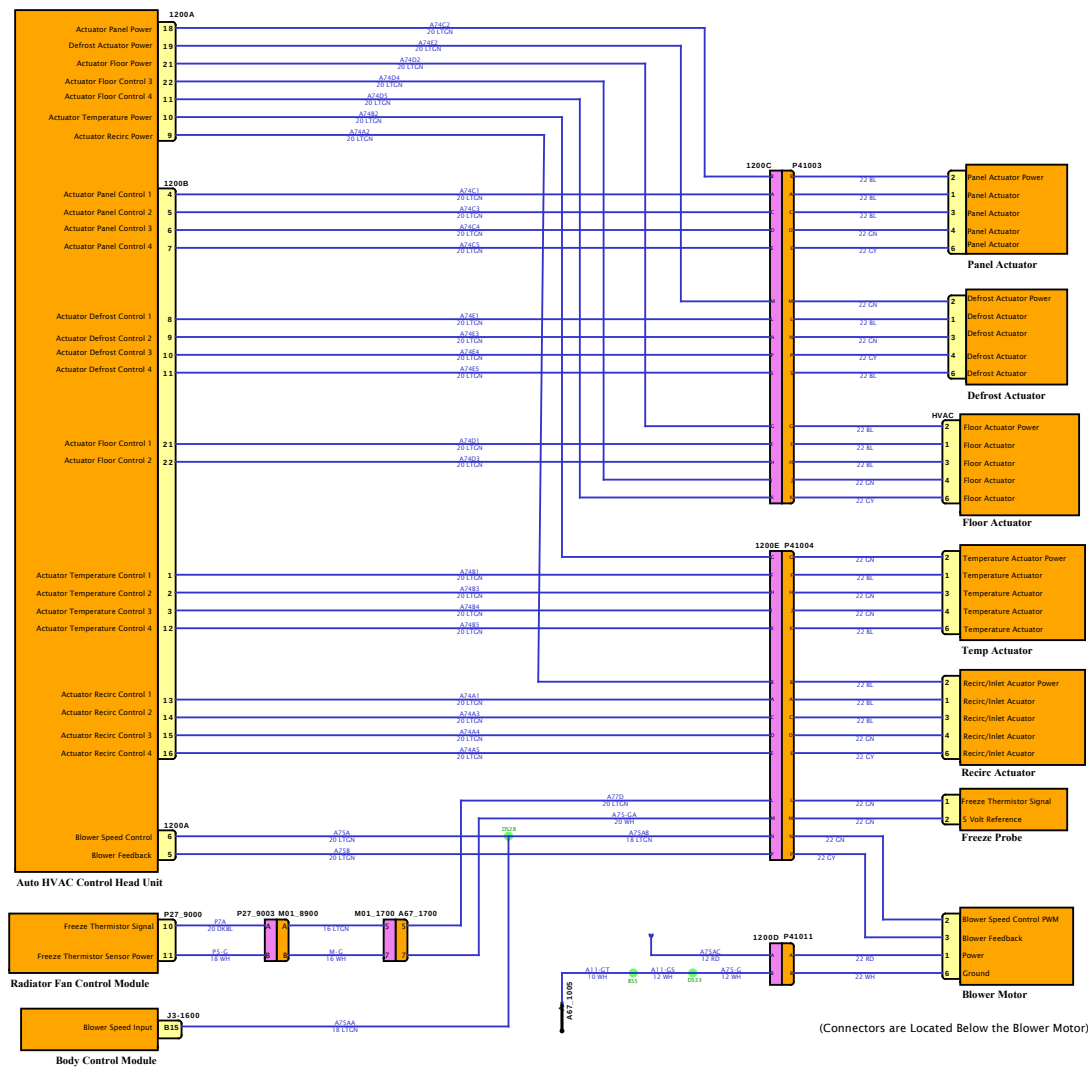


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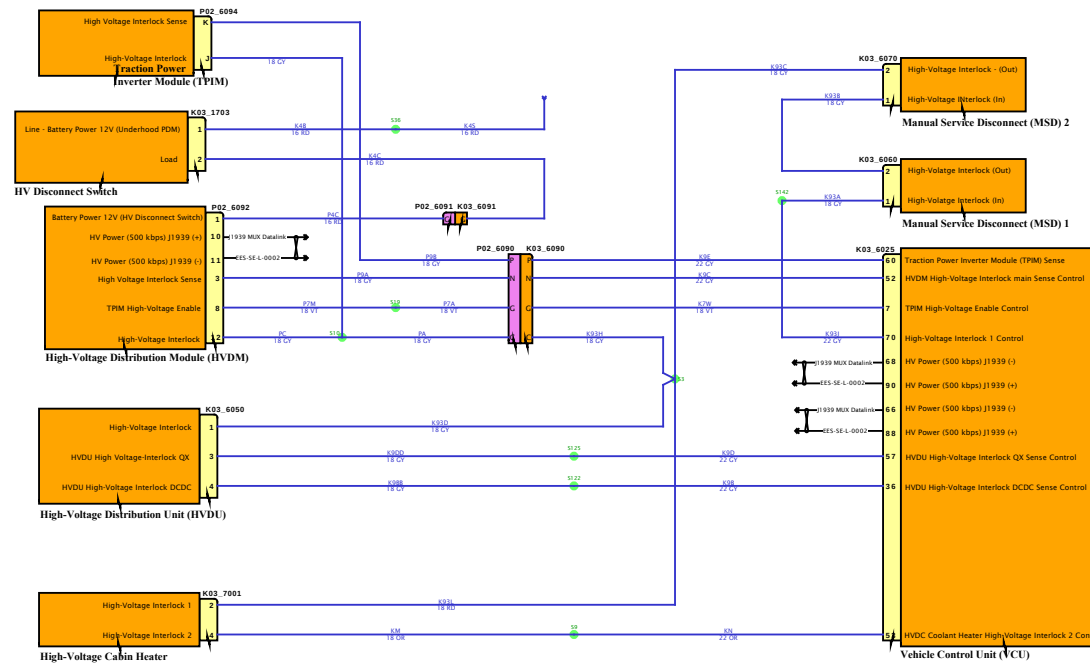
Diagram 1



DESIGN DESCRIPTION

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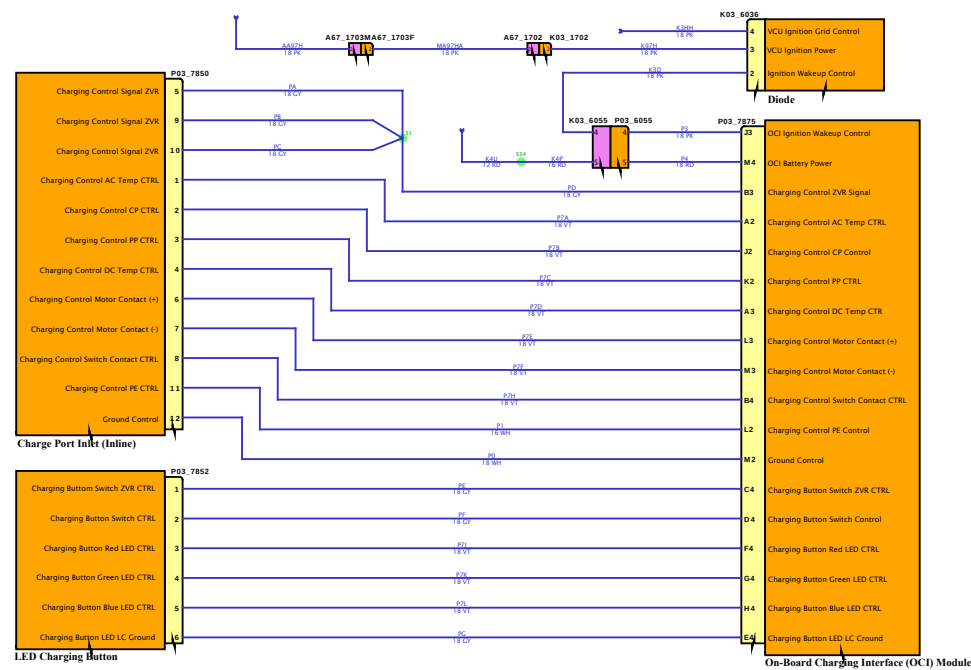
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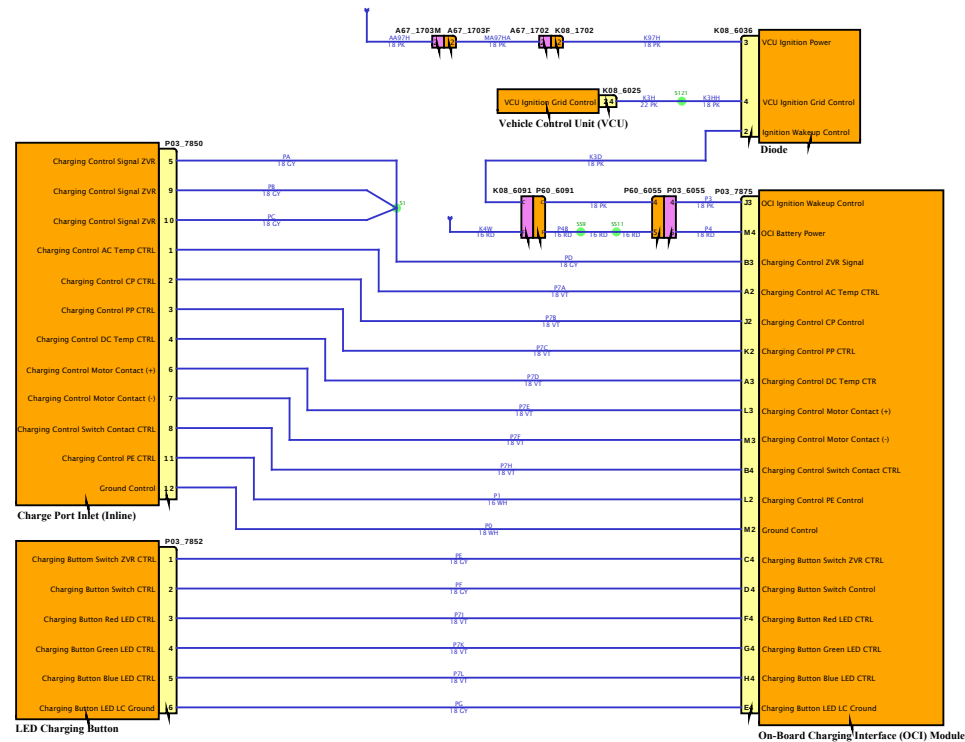
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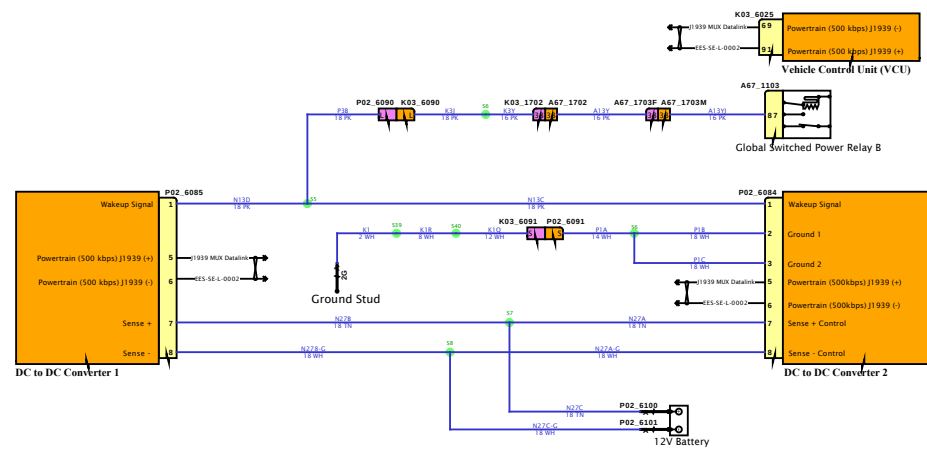
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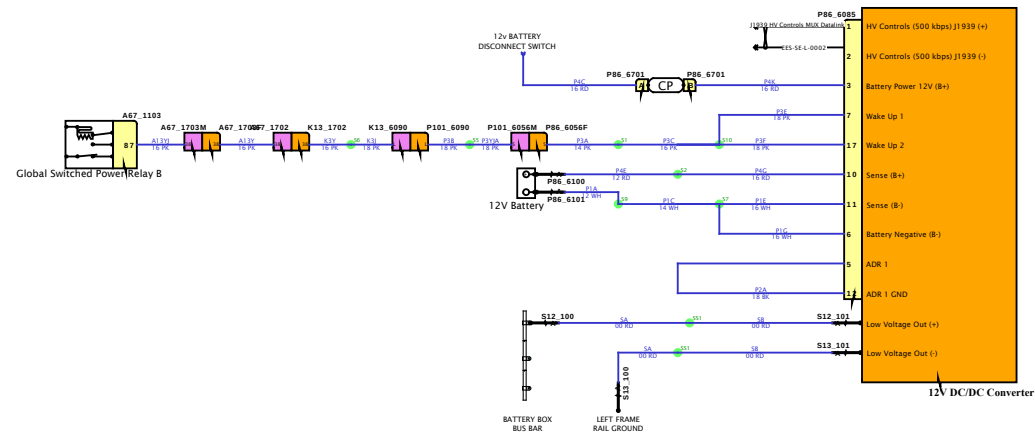
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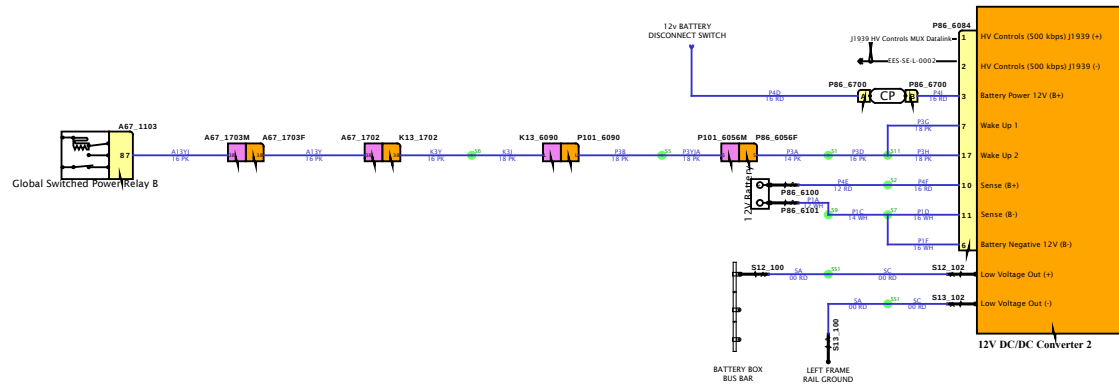
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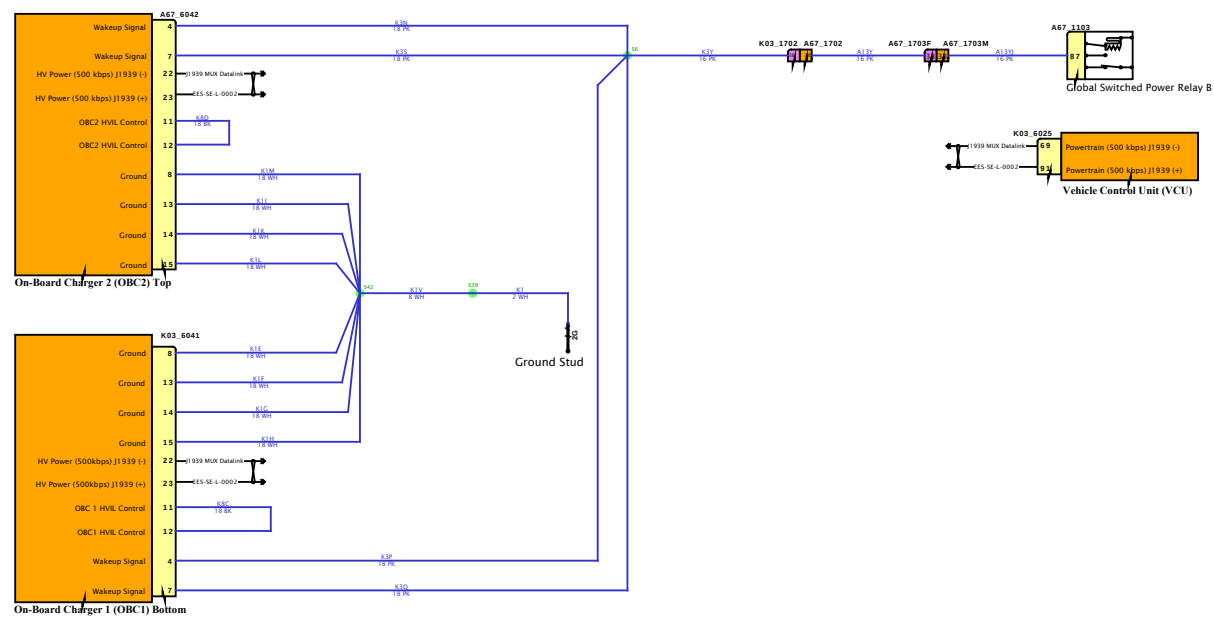


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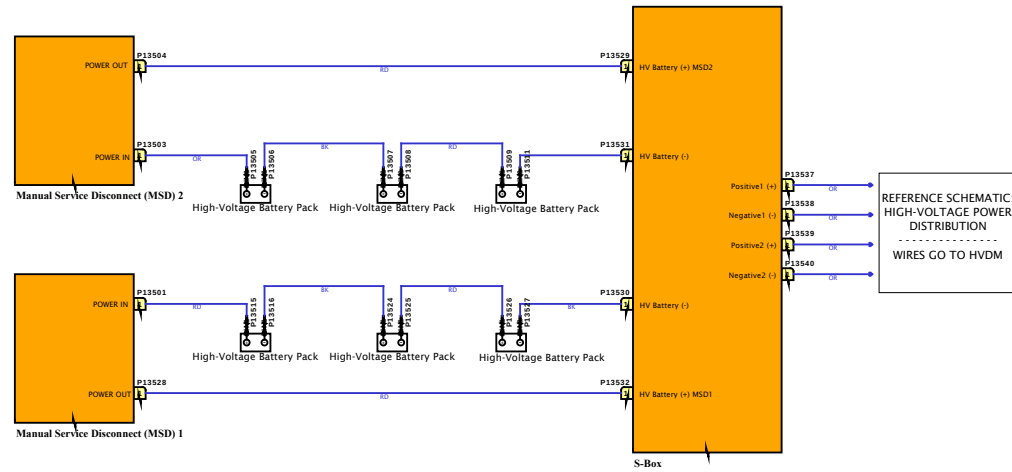




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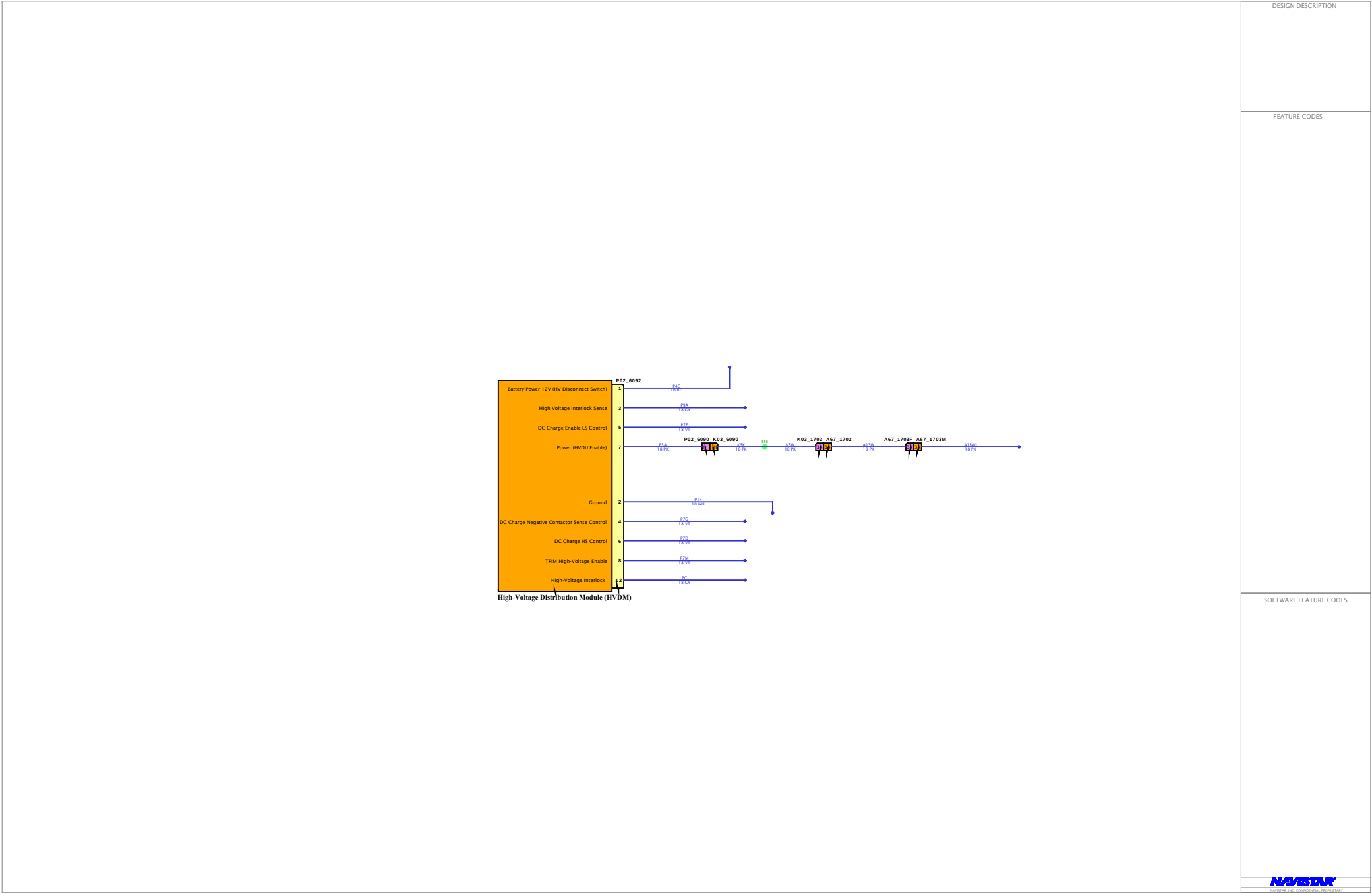
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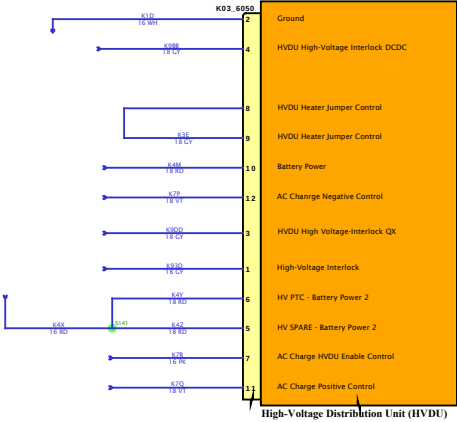


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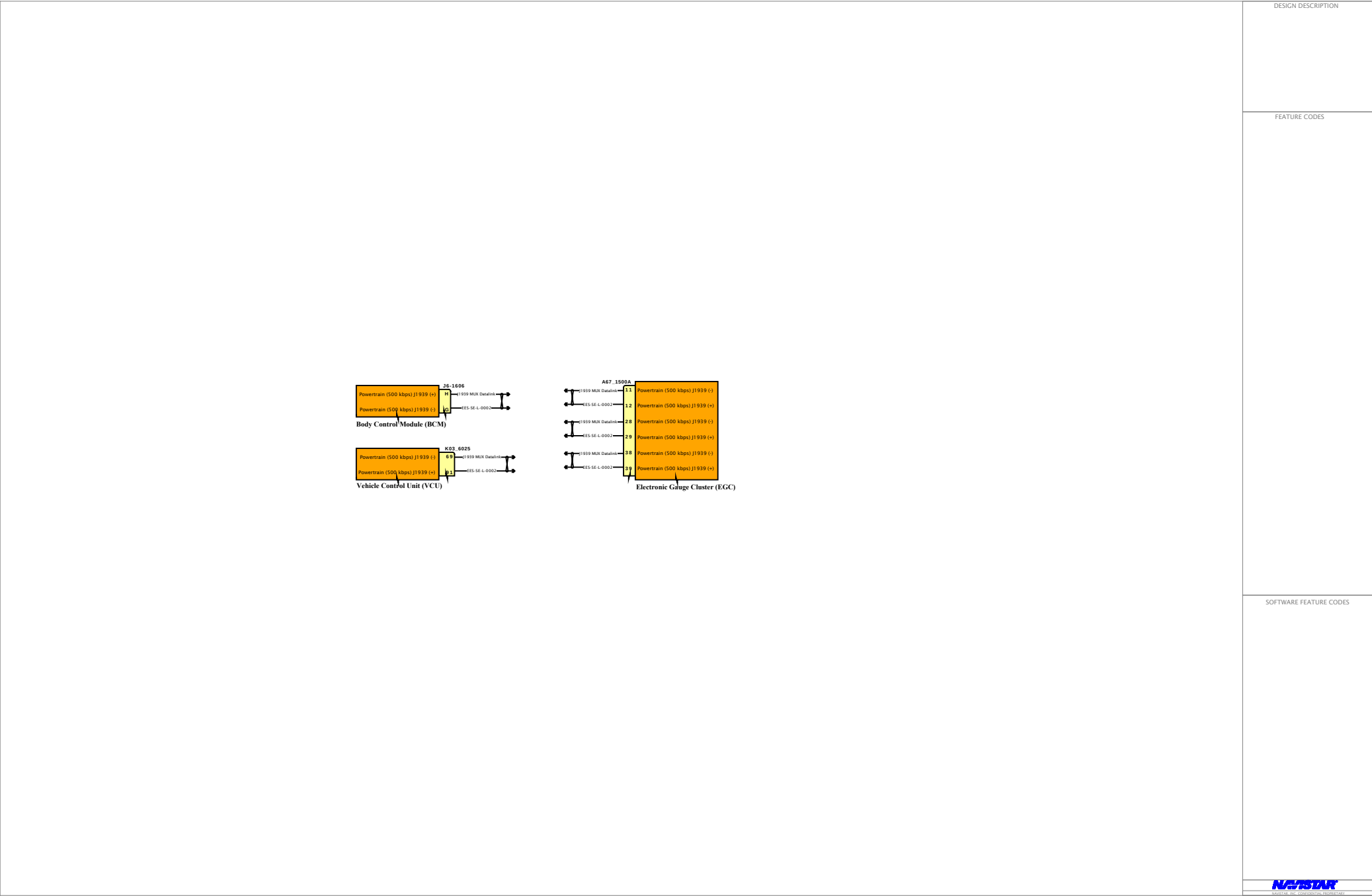


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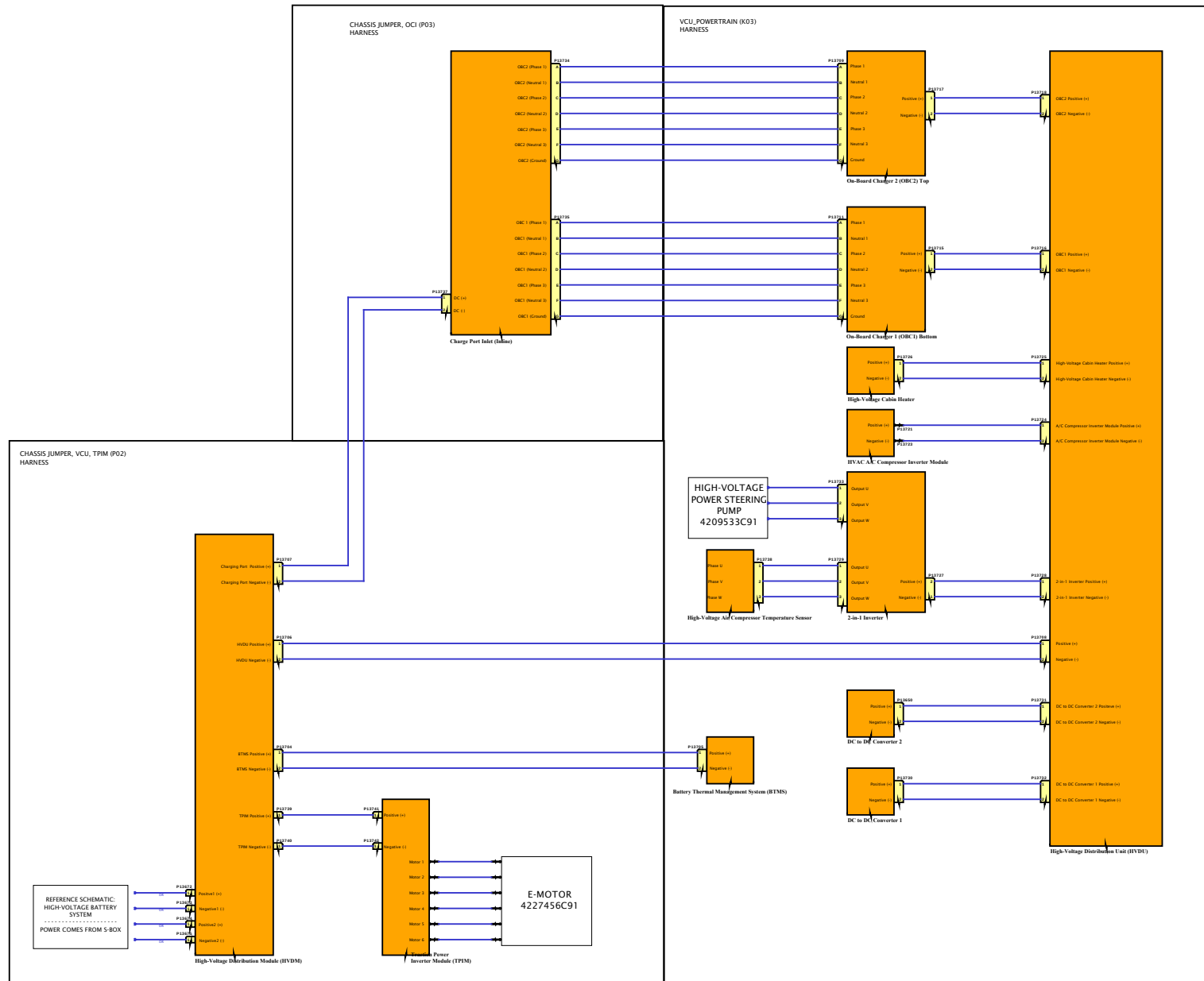


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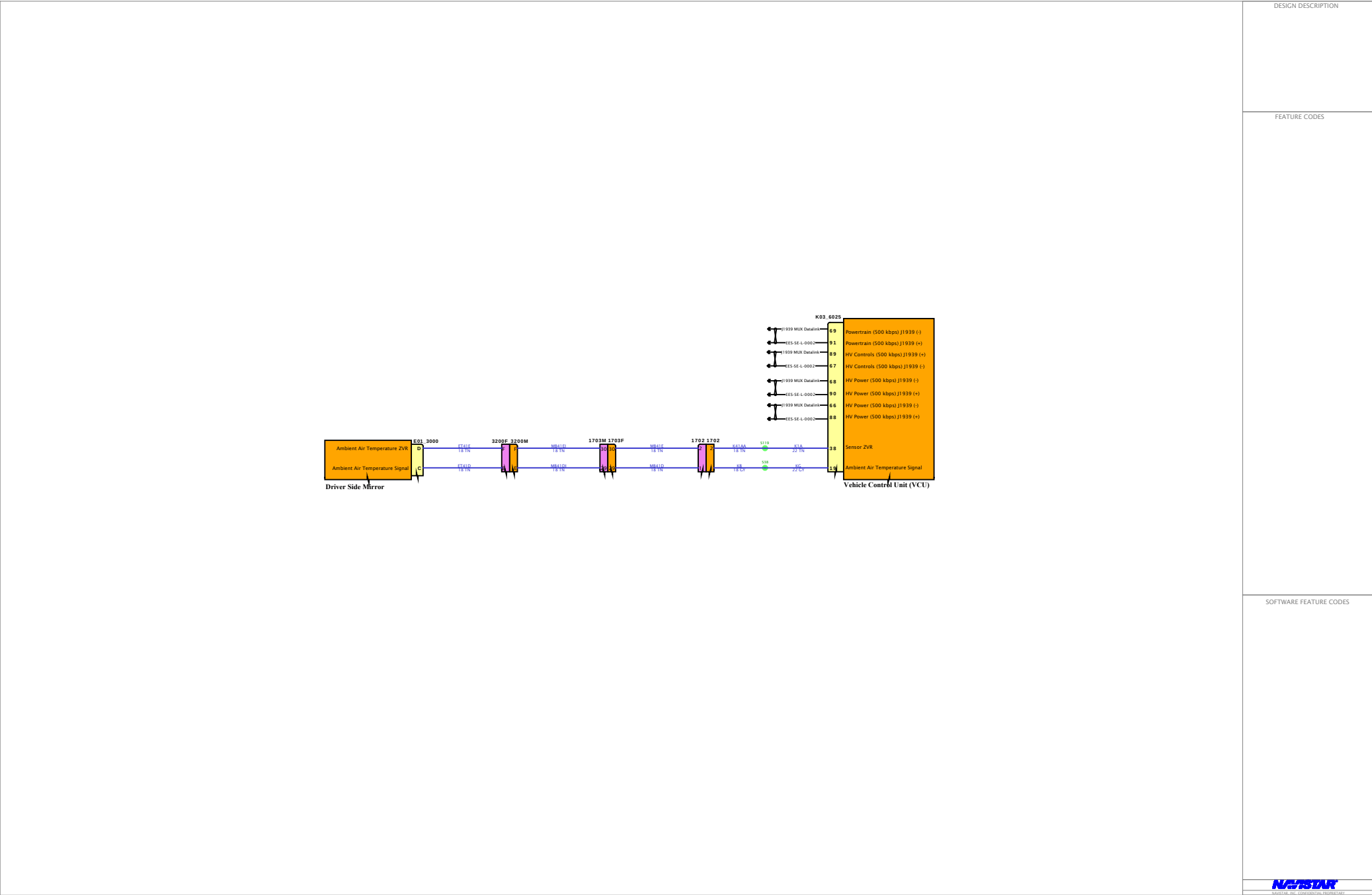
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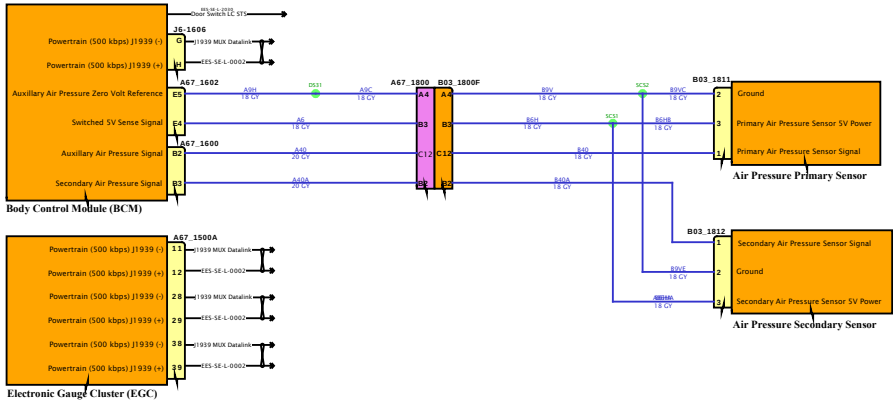
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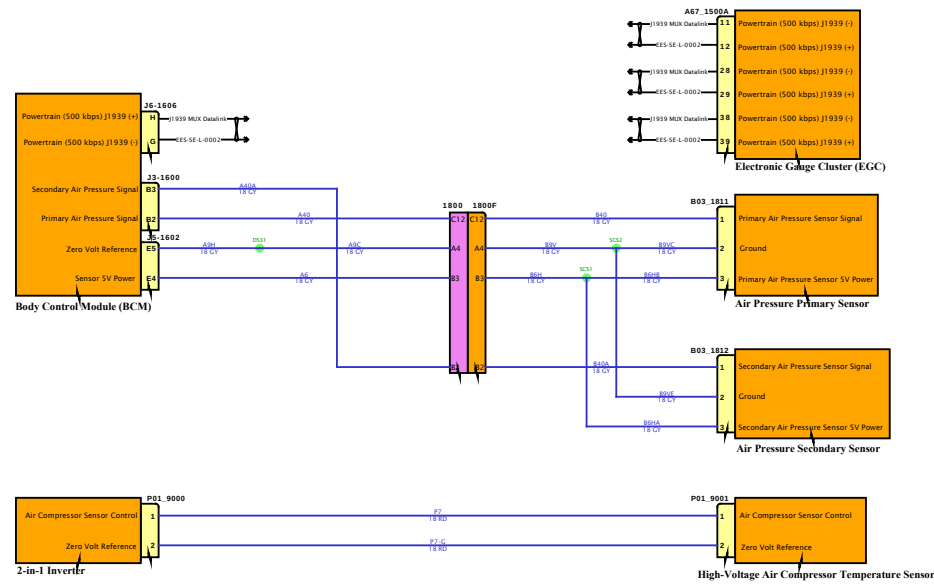




DESIGN DESCRIPTION
FEATURE CODES
SOFTWARE FEATURE CODES



	DESIGN DESCRIPTION
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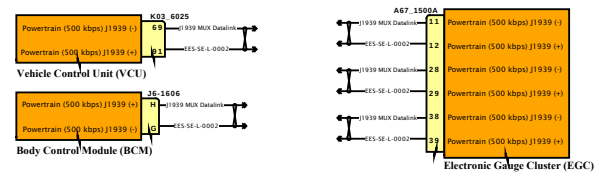


DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

DESIGN DESCRIPTION	
FEATURE CODES	
The diagram illustrates a CAN bus network connecting a Vehicle Control Unit (VCU) and an Electronic Control Cluster (ECC). The VCU is represented by two orange boxes: the top one is labeled 'Vehicle Control Unit (VCU)' and the bottom one is labeled 'Body Control Module (BCM)'. Both boxes show two 'Powertrain (500 kbps) J1939 (-)' ports and one 'Powertrain (500 kbps) J1939 (+)' port. The ECC is represented by a single orange box labeled 'Electronic Control Cluster (ECC)' with two 'Powertrain (500 kbps) J1939 (-)' ports and one 'Powertrain (500 kbps) J1939 (+)' port. Connections are shown with black lines and labels: 'K02_6025' for the VCU to ECC connection, 'AET_1500A' for the ECC to VCU connection, and 'ES-SE-L-0002' for the VCU to BCM connection. The diagram also shows a '1939 MUX DataLink' and a '1939 MUX DataLink' for the VCU and ECC respectively.	
SOFTWARE FEATURE CODES	

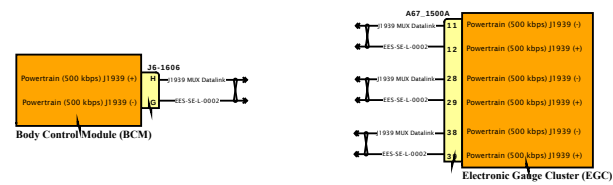


DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

Diagram1



DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



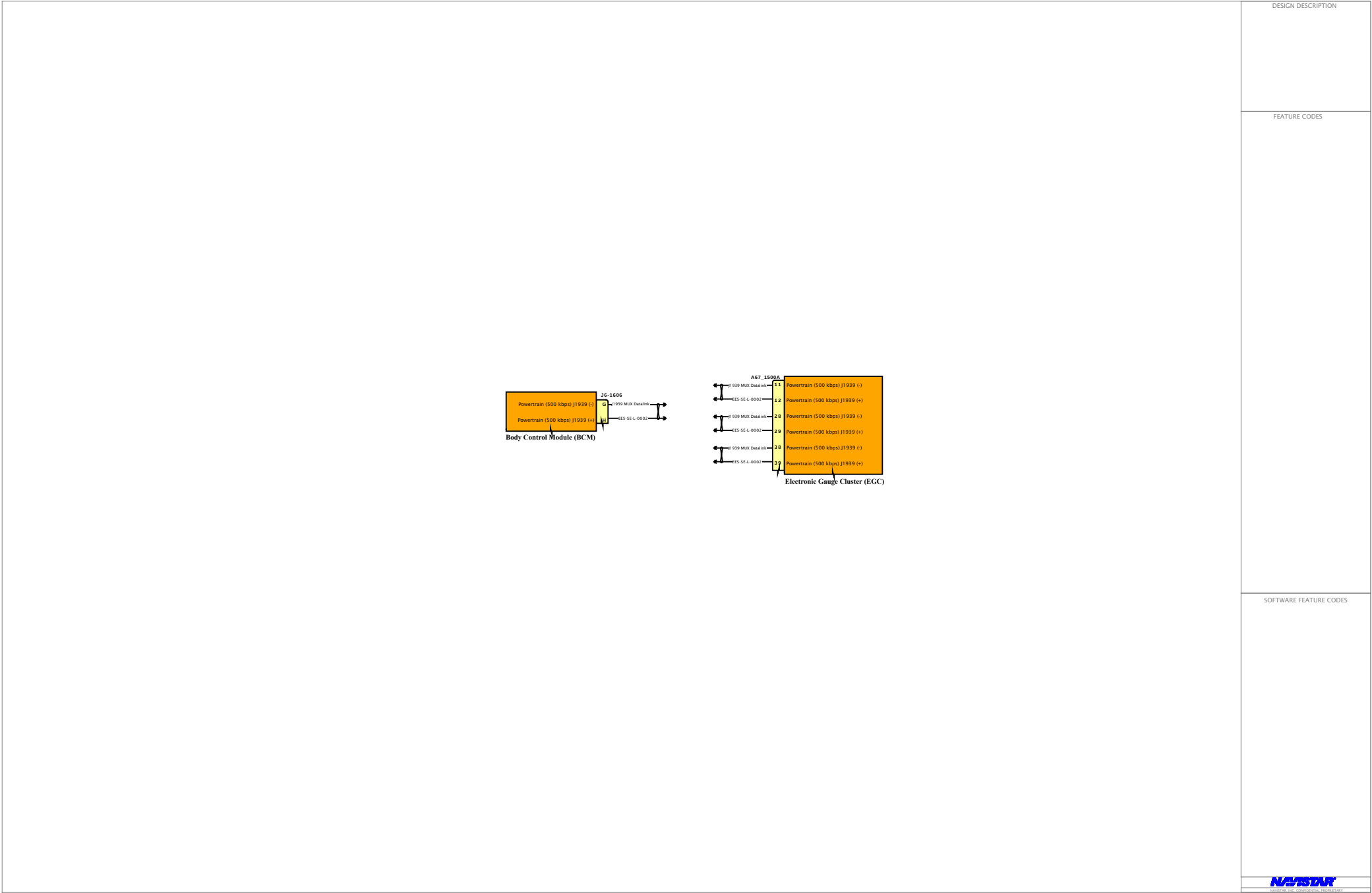
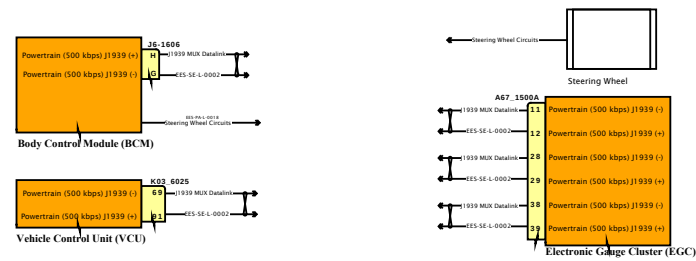


Diagram1



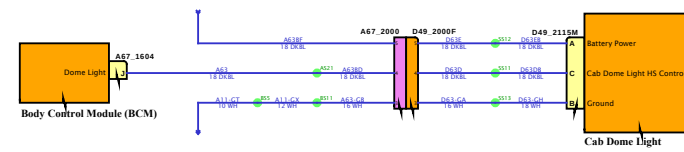
DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



Diagram1



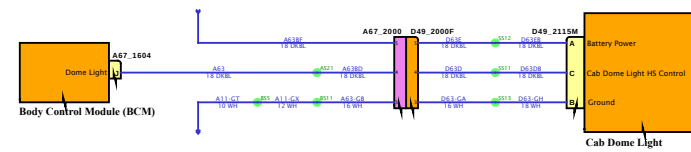
DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



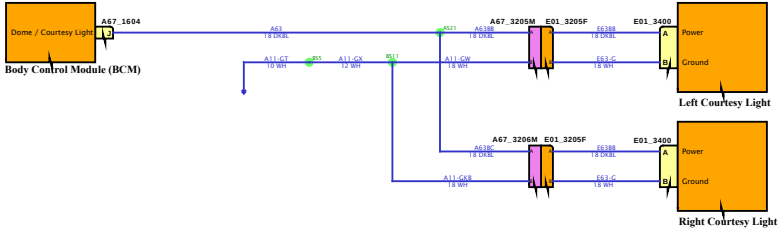
Diagram1



DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

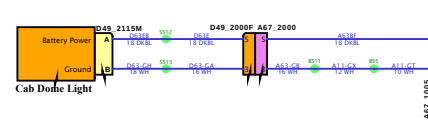


DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

Diagram1



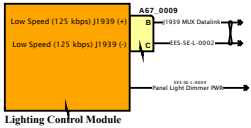
DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

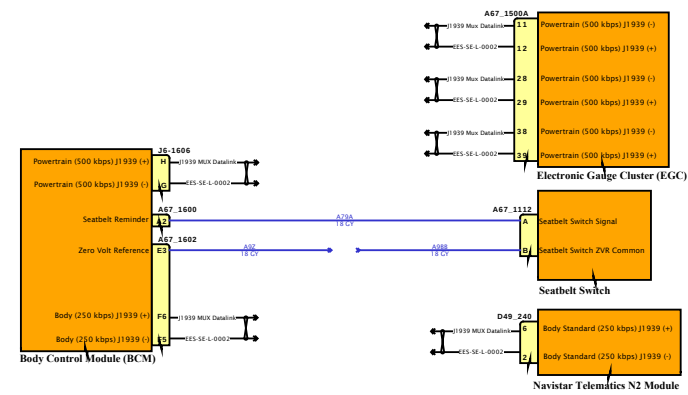


	DESIGN DESCRIPTION
	FEATURE CODES
	SOFTWARE FEATURE CODES



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DESIGN DESCRIPTION

FEATURE CODES

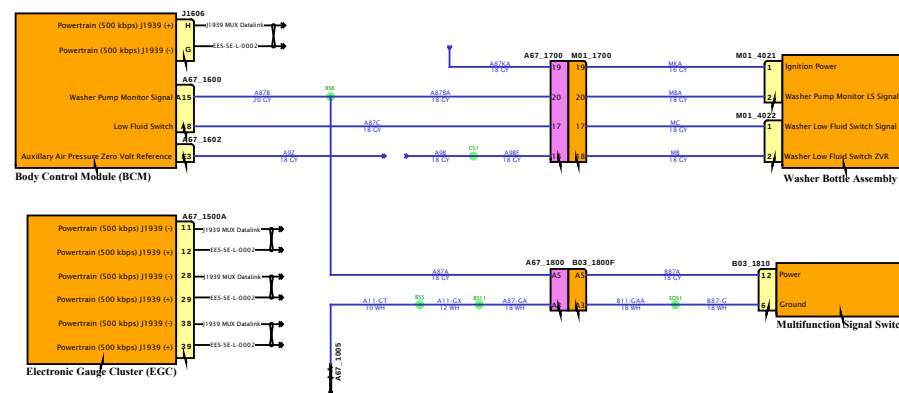
SOFTWARE FEATURE CODES

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FEATURE CODES

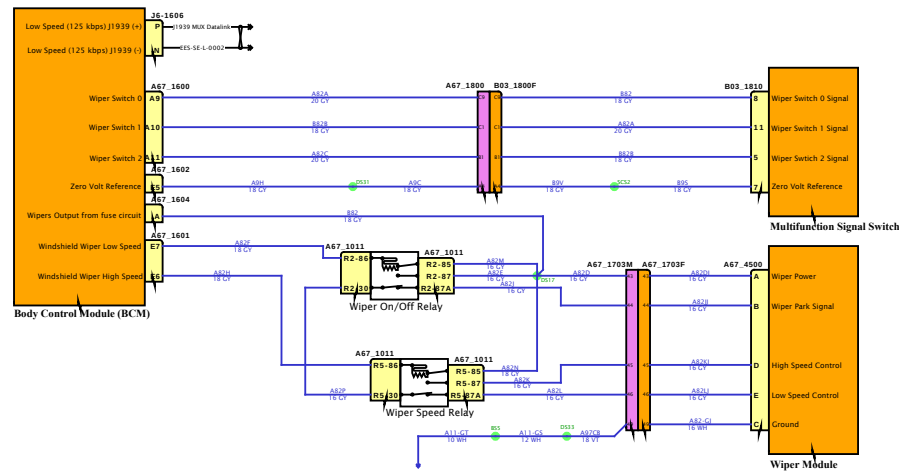
SOFTWARE FEATURE CODES



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FEATURE CODES

SOFTWARE FEATURE CODES

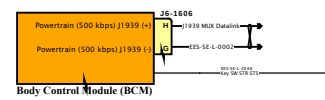


DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES

Diagram1



DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



DESIGN DESCRIPTION	
FEATURE CODES	
SOFTWARE FEATURE CODES	
 Body Control Module (BCM) Vehicle Control Unit (VCU)	

DESIGN DESCRIPTION	
FEATURE CODES	
The diagram illustrates the electrical connections between an Ignition Switch and a Body Control Module (BCM). The Ignition Switch is represented by a yellow box with four terminals labeled A, B, C, and D. The BCM is represented by an orange box with four corresponding input terminals. The connections are as follows: - Terminal A (Ignition Power) connects to terminal A15 (18 BU) on the BCM. - Terminal B (Key Switch Start Signal) connects to terminal A12HA (18 PK) on the BCM. - Terminal C (Key Switch Accessory Signal) connects to terminal A67-1000 on the BCM. - Terminal D (Key Switch Ignition Signal) connects to terminal A12 on the BCM. A ground symbol is shown near the A15 wire.	
SOFTWARE FEATURE CODES	

Diagram1



DESIGN DESCRIPTION

FEATURE CODES

SOFTWARE FEATURE CODES



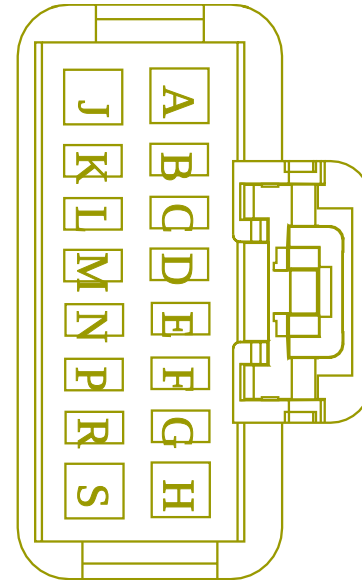
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FEATURE CODES

SOFTWARE FEATURE CODES

Connector Name A67_0009
Part Number 4063156C1
Instances Automatic Lighting W/Twilight & W/Sunload:Diagram1
Exterior Lamp Check (Horizon):Diagram1
Front Fog Lamps:Diagram1
Hazard Warning (CA 2.0):Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
License Plate Light (LED BOX LAMP Daisy Chain Tail Light):Diagram1
Low Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)
Panel Backlighting (Cabin Dimmer):Diagram1
Park Lights (W/Marker Interrupt):Diagram1
Park Lights - N/Marker Interrupt:Diagram1
Power Windows (2-Door):Diagram1
Radio W/ Bluetooth:Diagram1
Radio W/ Bluetooth & W/ Steering Wheel Pod:Diagram1



Mates MODU-LCM-A004-00-01

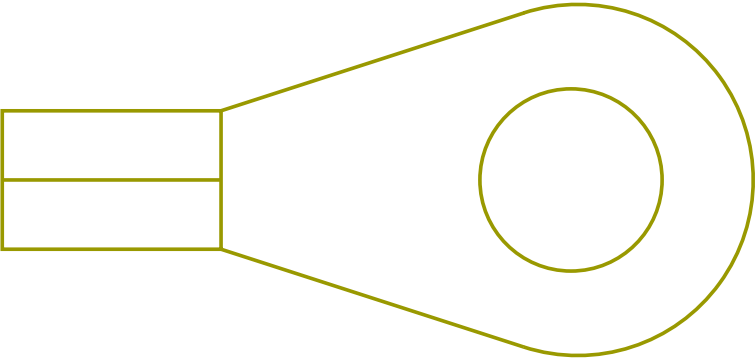
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B	-	-	-	-	-	-	-	-	-	-	-	-
B	-	-	WIRE1647	-	0.0	-	-	-	0.0	-	PIN1	-
C	-	-	-	-	-	-	-	-	-	-	-	-
C	-	-	WIRE1648	-	0.0	-	-	-	0.0	-	PIN1	-
E	-	-	AT50B	-	0.0	22.0	-	YELLOW 2	0.0	-	2	A67_1053
L	-	-	AB62	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-
P	-	-	AB50	-	0.0	18.0	-	YELLOW 2	0.0	-	E11	A67_1602

Connector NameA67_1004B

Part Number3581768C1

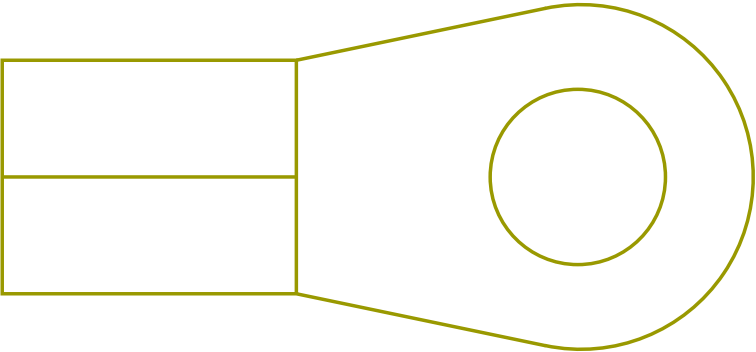
Short DescriptionCab Ground Stud 1004B

InstancesInterior Dual Post Ground Stud-Cowl Wall:Diagram1



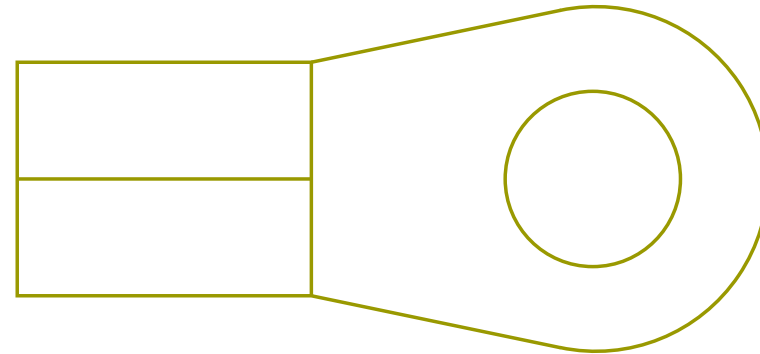
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA11- GKC	3510362 R1	3.01	12.0	Thin Wall XLPE Primary Cable	WHITE	855.0	-	-	-

Connector Name A67_1004
Part Number 2015884C1
Short Description Cab Ground Stud 1004
Instances Interior Dual Post Ground Stud-Cowl Wall:Diagram1



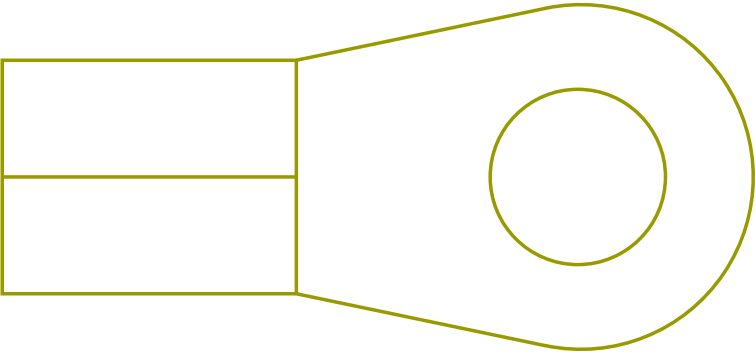
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	FA11-GAB	-	0.0	10.0	-	WHITE	0.0	-	1	-
A	-	-	FA11-GAH	-	0.0	10.0	-	WHITE	0.0	-	1	-

Connector Name	A67_1004
Part Number	2015884C1
Instances	Aux Power (USB) - 1 USB A, 1 USB C:Diagram1 - 1904 Aux Power (USB) - 1 USB A, 1 USB C:Diagram1 - 1905A Aux Power (USB) - 1 USB A, 1 USB C:Diagram1 - 1905B Aux Power (USB) - 1 USB A, 1 USB C:Diagram1 - 1905C Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905A Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905B Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905C Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905A & 1905B Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905A & 1905C Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905B & 1905C Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905A & 1905B Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905A & 1905C Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905B & 1905C Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1905A & 1905B & 1905C Body Builder Aux Power (IGN Power, EOF, Blunt Cut):Diagram1 Forward Auxiliary Power Source (1 APO)(Option 1):Diagram1 - 1901A Forward Auxiliary Power Source (1 APO)(Option 1):Diagram1 - 1903 Forward Auxiliary Power Source (1 APO)(Option 1):Diagram1 - 1903B Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1901A & 1903B Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1903 & 1901A Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1903 & 1903B Forward Auxiliary Power Source (3 APO)(Option 1):Diagram1 Vehicle Sound Generator:Diagram1



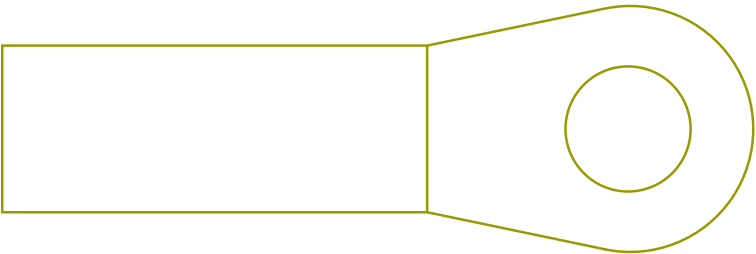
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	FA11-GAH	-	0.0	10.0	-	WHITE	0.0	-	PIN1	-

Connector Name A67_1005A
Part Number 2015884C1
Short Description Cab Ground Stud 1005A
Instances Interior Dual Post Ground Stud-Cowl Wall:Diagram1
 IP Ground Splice Packs 1022/1023 and 1027 Option 1:Diagram1



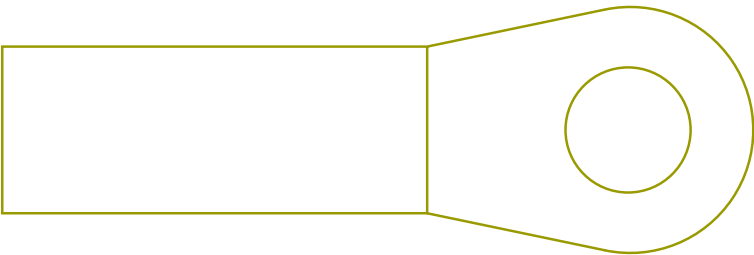
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	FB11-GKJ	2643790 R1	12.52	6.0	Std. Wall XLPE Battery Cable	WHITE	400.0	-	X	-
A	-	-	FB11-GKJ	2643790 R1	12.52	6.0	Std. Wall XLPE Battery Cable	WHITE	400.0	-	-	-

Connector Name A67_1005
Part Number 3710088C1
Instances CB Radio Power Only:Diagram1
 Heating Ventilation & Air Conditioning (HVAC) (W/
 VCU):Diagram1 - HVAC
 Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev
 2):Diagram1 - HVAC
 Instrument Cluster (EGC) EV:Diagram1
 Interior Dual Post Ground Stud-Cowl Wall:Diagram1
 Interior Task Lighting (Map Light) (CA 2.0 Standard Cab/Low
 Rise Sleeper):Diagram1
 Over The Air Electrical I/O (OnCommand Link / N2 Module N/
 Engine Diagnostic Connector):Diagram1
 Windshield Washer Pump & Low Fluid Sensor (MV,
 CE):Diagram1



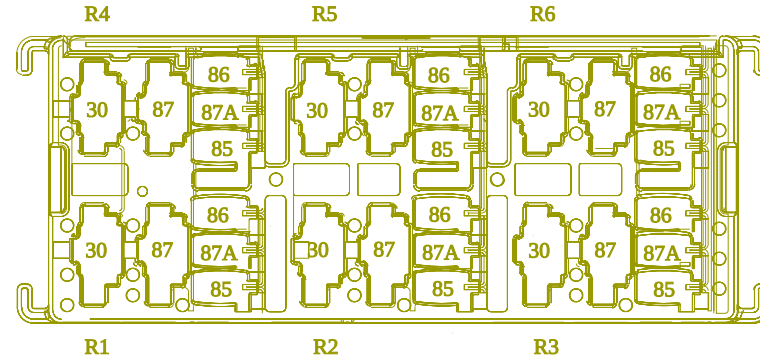
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AD11-GT	-	0.0	10.0	-	WHITE	0.0	-	PIN1	-
A	-	-	AD11-GT	-	0.0	10.0	-	WHITE	0.0	-	X	-

Connector Name A67_1005
Part Number 3710088C1
Instances HVAC Actuators:Diagram 1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AD11-GT	2643788 R1	4.81	10.0	Std. Wall XLPE Primary Cable	WHITE	0.0	-	PIN1	-

Connector Name A67_1011
Part Number 3768010C1
Instances Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1
Windshield Wipers:Diagram1
Mates RLY-BODY_STOP-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R1-30	-	-	VE70J	-	0.0	12.0	-	ORANGE	0.0	-	-	-
R1-85	-	-	VE70-GT	-	0.0	18.0	-	WHITE	0.0	-	-	-
R1-86	-	-	VE70D	-	0.0	18.0	-	ORANGE	0.0	-	F15	A67_1601
R1-87	-	-	TK70T	-	0.0	12.0	-	ORANGE	0.0	-	9	A67_1701
R1-87A	-	-	-	-	-	-	-	-	-	-	-	-
R2-30	-	-	AA82P	-	0.0	16.0	-	GREY	0.0	-	R5-30	A67_1011
R2-85	-	-	AA82M	-	0.0	16.0	-	GREY	0.0	-	PIN1	-
R2-86	-	-	AA82F	-	0.0	18.0	-	GREY	0.0	-	E7	A67_1601
R2-87	-	-	AA82E	-	0.0	16.0	-	GREY	0.0	-	PIN1	-
R2-87A	-	-	AA82J	-	0.0	16.0	-	GREY	0.0	-	44	A67_1703M
R5-30	-	-	AA82P	-	0.0	16.0	-	GREY	0.0	-	R2-30	A67_1011
R5-85	-	-	AA82N	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
R5-86	-	-	AA82H	-	0.0	18.0	-	GREY	0.0	-	E6	A67_1601

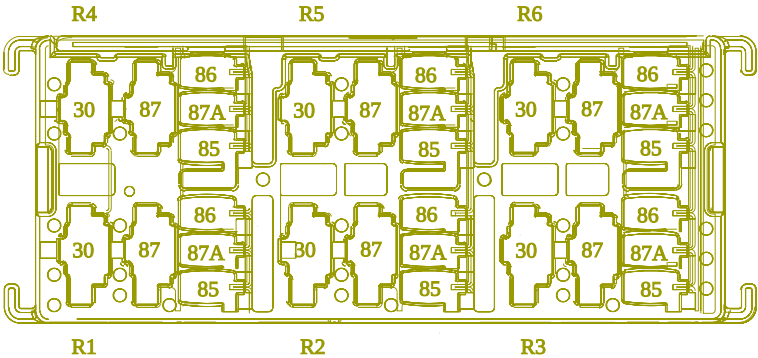
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R5-87	-	-	AA82K	-	0.0	16.0	-	GREY	0.0	-	45	A67_170 3M
R5-87A	-	-	AA82L	-	0.0	16.0	-	GREY	0.0	-	46	A67_170 3M

Connector NameA67_1012

Part Number3768010C1

InstancesBody Builder Aux Power (IGN Power, EOF, Blunt Cut):Diagram1

MatesRLY-AUX_BODY_BUILDER_POWER -01



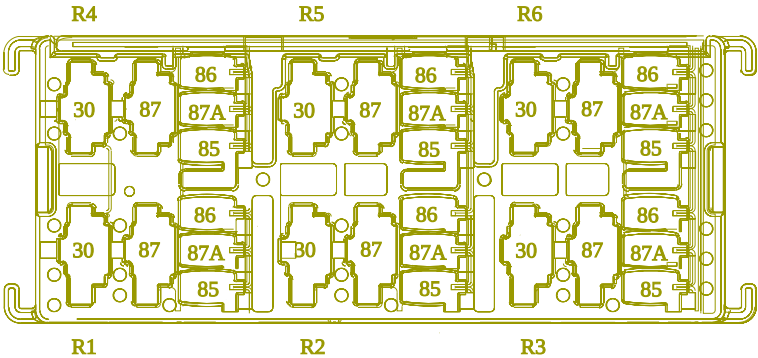
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R1-30	-	-	VH94TV	-	0.0	12.0	-	GREY	0.0	-	-	-
R1-85	-	-	DJ13-GFF	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
R1-86	-	-	DJ13DR	-	0.0	18.0	-	PINK	0.0	-	-	-
R1-87	-	-	TE94T	-	0.0	12.0	-	GREY	0.0	-	10	A67_1701

Connector NameA67_1012

Part Number3768010C1

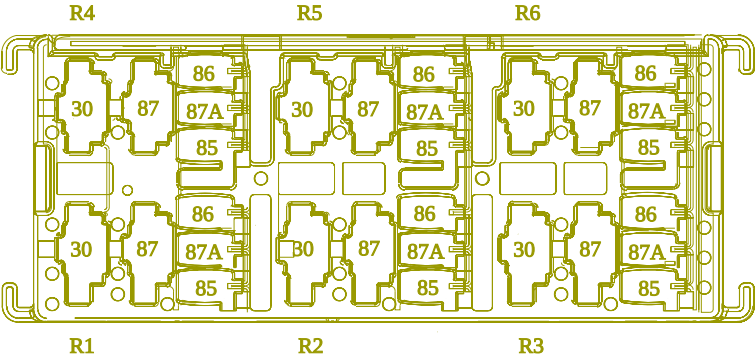
InstancesBackup Light (W/VCU) Dual Daisy Reverse Light:Diagram1

MatesRLY-REVERSE_ALARM/LIGHT-01



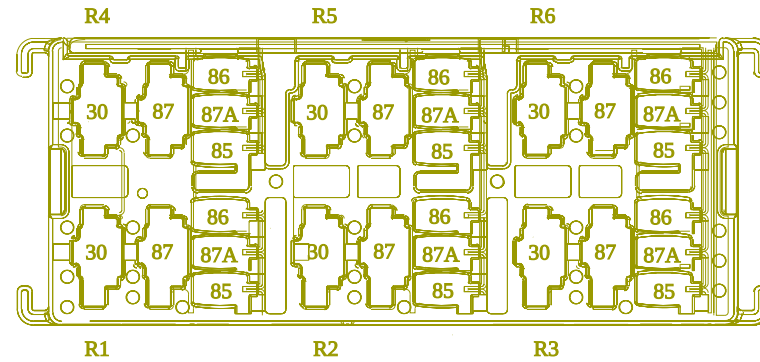
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R2-30	-	-	ZL71C	-	0.0	18.0	-	ORANGE	0.0	-	PIN1	-
R2-85	-	-	ZL71AD	-	0.0	18.0	-	PINK	0.0	-	3	A67_170 3M
R2-86	-	-	ZL71B	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	3505.0	-	PIN1	-
R2-87	-	-	ZL71AC	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	1805.0	-	-	-

Connector Name A67_1013
Part Number 3768010C1
Instances Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left
Side Only):Diagram1
Mates RLY-HEATED_MIRROR-01



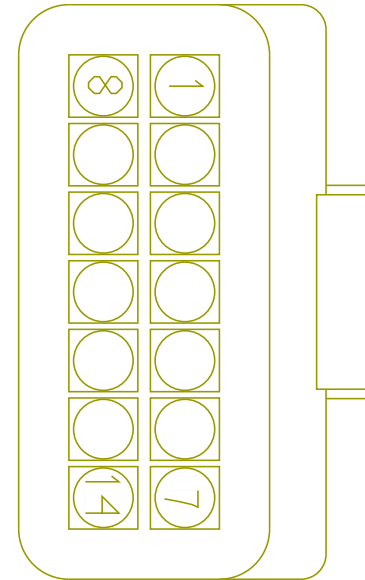
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R1-30	-	-	RF78RP	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	490.0	-	-	-
R1-85	-	-	RF78RR	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	2045.0	-	-	-
R1-86	-	-	RN78RK	-	0.0	18.0	-	LIGHT GREEN	0.0	-	X	-
R1-87	-	-	RF78	-	0.0	16.0	-	LIGHT GREEN	0.0	-	PIN1	-

Connector Name A67_1014
Part Number 3768010C1
Instances Mirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
Mirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood Mirrors):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
Mates RLY-HEATED_MIRROR-02



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R6-30	-	-	RM78AA	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	0.0	-	-	-
R6-85	-	-	RM78RM	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	0.0	-	-	-
R6-86	-	-	RN78RD	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	0.0	-	X	-
R6-87	-	-	RM78AB	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	0.0	-	X	-

Connector Name A67_1022
Part Number 3613769C1
Instances IP Ground Splice Packs 1022/1023 and 1027 Option 1:Diagram1
IP Ground Splice Packs 1022/1023 and 1027 Option 2:Diagram1
Mates SP-Ground_1-0003-00-10-A0



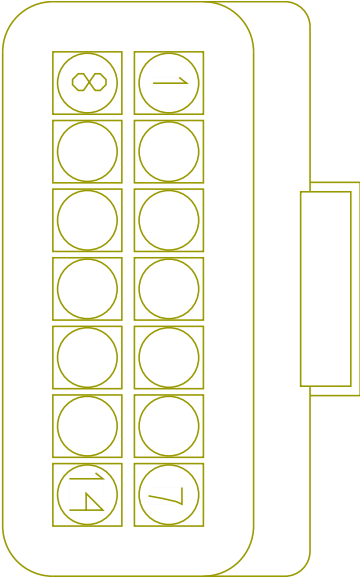
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	FB11-GBF	-	0.0	14.0	-	WHITE	0.0	-	X	-
2	-	-	AB11-GN	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	625.0	-	-	-
3	-	-	RM78RM	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	0.0	-	-	-
4	-	-	ER11YJ	-	0.0	18.0	-	WHITE	0.0	-	-	-
8	-	-	RF78RR	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	2045.0	-	-	-
11	-	-	VE70-GT	-	0.0	18.0	-	WHITE	0.0	-	-	-

Connector NameA67_1023

Part Number3613769C1

InstancesIP Ground Splice Packs 1022/1023 and 1027 Option 1:Diagram1
IP Ground Splice Packs 1022/1023 and 1027 Option 2:Diagram1

MatesSP-GROUND_2-0003-00-10-A0



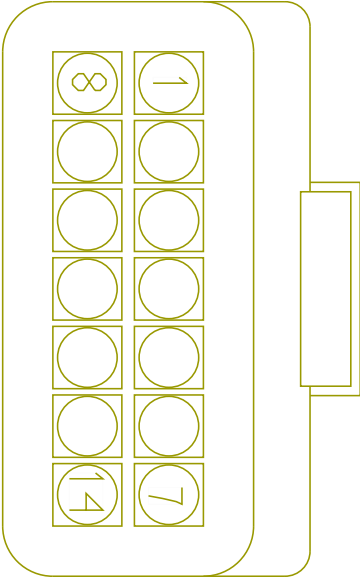
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	FB11-GCF	-	0.0	14.0	-	WHITE	0.0	-	X	-
3	-	-	UL92-GAH	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	715.0	-	-	-
7	-	-	RF78-GB	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameA67_1027

Part Number3613769C1

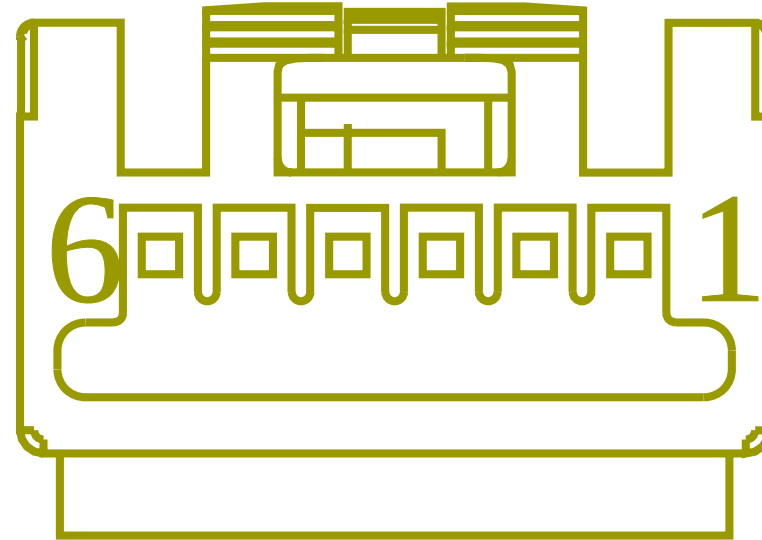
InstancesIP Ground Splice Packs 1022/1023 and 1027 Option 1:Diagram1
IP Ground Splice Packs 1022/1023 and 1027 Option 2:Diagram1

MatesSP-GROUND_3-0003-00-10-A0



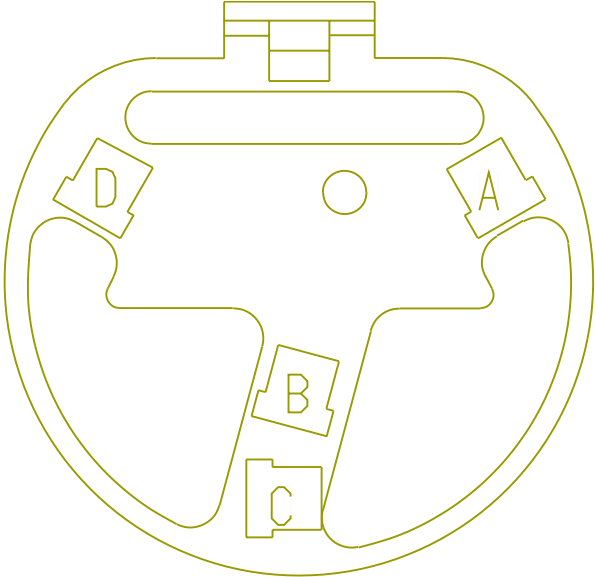
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	FB11-GCG	-	0.0	14.0	-	WHITE	0.0	-	X	-
10	-	-	AR50A	-	0.0	22.0	-	YELLOW 2	0.0	-	-	-
12	-	-	RF78-GA	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector Name A67_1053
Part Number 4116776C1
Instances Automatic Lighting W/Twilight & W/Sunload:Diagram1
Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram2 - Sensors
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev
2):Diagram2 - Sensors
Mates DEV-SENSOR_SUN_LOAD_TWILIG HT-02



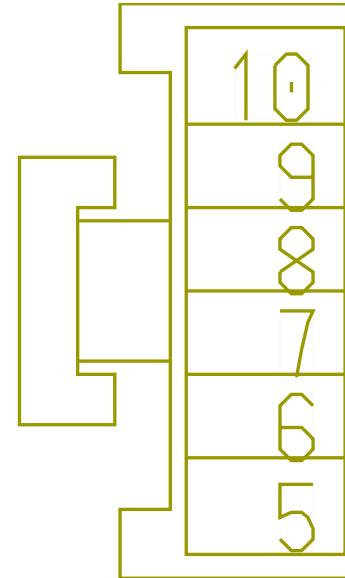
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	ZF75D	2645643 R1	0.35	22.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2730.0	-	4	A67_120 0A
2	-	-	AT50B	-	0.0	22.0	-	YELLOW 2	0.0	-	E	A67_0009
3	-	-	ZF14SUN	2645629 R1	0.35	22.0	Thin Wall XLPE Primary Cable	RED	2890.0	-	-	-
4	-	-	AR50A	-	0.0	22.0	-	YELLOW 2	0.0	-	-	-
5	-	-	ZF75D-G	2645643 R1	0.35	22.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2730.0	-	3	A67_120 0A

Connector Name A67_1100
Part Number 3546518C1
Instances Operator Input (Key Switch):Diagram1
Mates DEV-OPERATOR_KEY-01



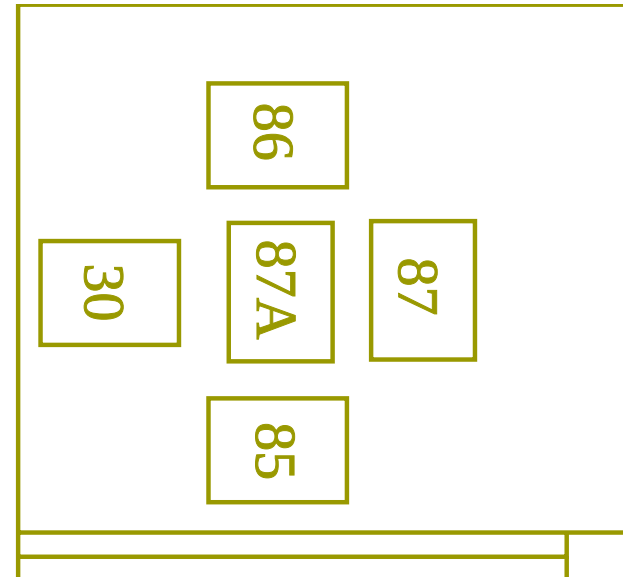
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EB15	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	0.0	-	-	-
B	-	-	LC17HA	-	0.0	18.0	-	PINK	0.0	-	S	J6-1606
C	-	-	EC149	-	0.0	18.0	-	GREY	0.0	-	A1	A67_1600
D	-	-	DB149A	-	0.0	18.0	-	GREY	0.0	-	A16	A67_1600

Connector Name A67_1101M
Part Number 3522071C1
Instances Auxiliary Air Solenoids (Normally Closed):Diagram1
Electronic Logging Device (ELD) Indicator (J1939 Switchpack Indicator):Diagram1
End of Frame Aux Work Light (One Light N/Relay):Diagram1
Exterior Lamp Check (Horizon):Diagram1
Height Control (W/VCU):Diagram1
Jaw Unlock Control W/ SOLENOIDS W/SWITCH PACKS:Diagram1
Low Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
Power Lift Gate:Diagram1
Regenerative Braking (W/VCU):Diagram1
Theft Deterrent (Standard, J1939 Mux SW, W/VCU):Diagram1
Traction Control (Bendix, VCU):Diagram1
Mates SW-J1939_PACK-0009-00-02A



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	WIRE1649	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	WIRE1650	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name A67_1102
Part Number 4243370C1
Instances Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram1
Vehicle Control Unit (VCU):Diagram1
Mates RLY-GLOBAL_SWITCHED_POWER_ A-01



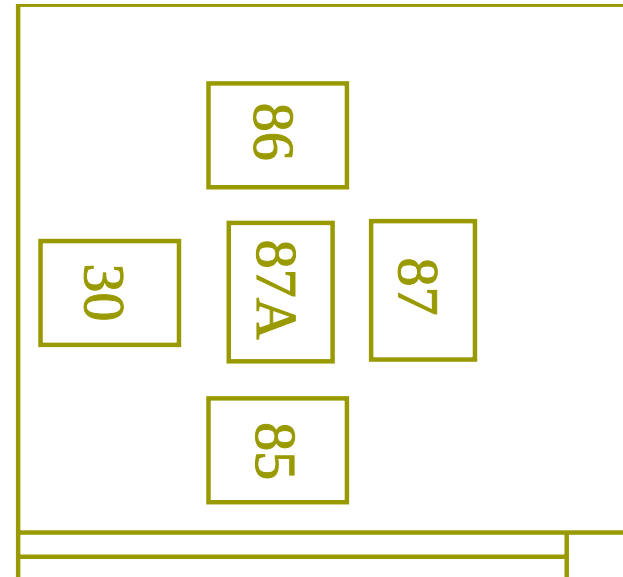
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
30	-	-	AA14AEJ	-	0.0	18.0	-	RED	0.0	-	31	A67_170 3M
85	-	-	AA97AFJ	-	0.0	16.0	-	RED	0.0	-	32	A67_170 3M
85	-	-	AA97AFJ	-	0.0	16.0	-	RED	0.0	-	36	A67_170 3M
86	-	-	AA13VJ	-	0.0	18.0	-	PINK	0.0	-	33	A67_170 3M
86	-	-	-	-	-	-	-	-	-	-	-	-
87	-	-	AA13WJ	-	0.0	18.0	-	PINK	0.0	-	34	A67_170 3M
87	-	-	-	-	-	-	-	-	-	-	-	-

Connector Name A67_1103

Part Number 4243370C1

Instances Battery Thermal Management (W/VCU) BTMS:Diagram1
 Charging System (W/VCU) Dual DC/DC Converter 12V W/ InMotion 0008WUM:Diagram1
 Charging System (W/VCU) Dual DC/DC Converter 12V W/ InMotion 0008WUM:Diagram2
 Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1
 Engine Speed Control (ePTO):Diagram2
 eVehicle Charging (W/VCU) Onboard Charging Modules:Diagram1
 Heating Ventilation & Air Conditioning (HVAC) (W/ VCU):Diagram1 - HVAC
 Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC
 Power Electronics Coolant Temperature Monitoring:Diagram1

Mates RLY-GLOBAL_SWITCHED_POWER_ B-01



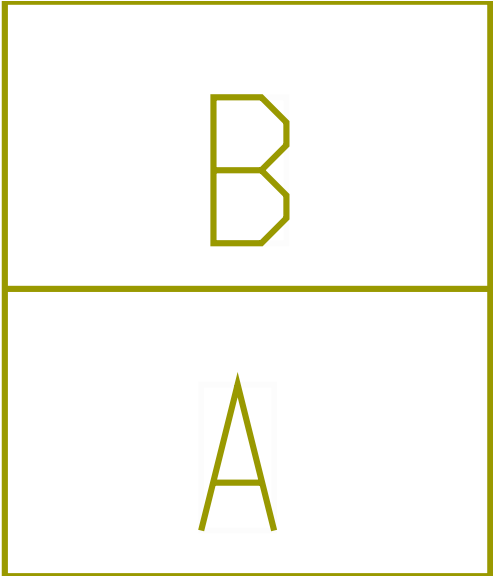
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
30	-	-	AA14AFJ	-	0.0	16.0	-	RED	0.0	-	35	A67_170 3M
85	-	-	AA97AGJ	-	0.0	16.0	-	VIOLET	0.0	-	36	A67_170 3M
86	-	-	AA13XJ	-	0.0	18.0	-	PINK	0.0	-	37	A67_170 3M
87	-	-	AA13YJ	-	0.0	16.0	-	PINK	0.0	-	38	A67_170 3M
87	-	-	AA13YJ	-	0.0	16.0	-	PINK	0.0	-	38	1703M

Connector NameA67_1112

Part Number1661260C1

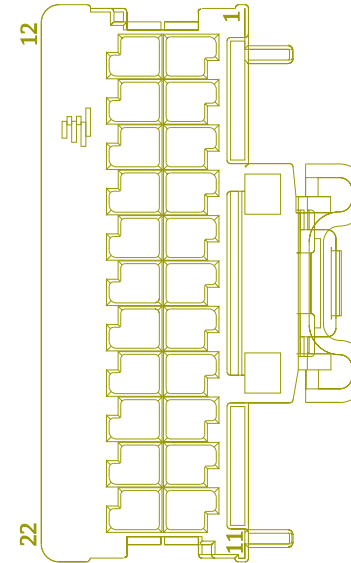
InstancesSeatbelt Reminder (Warning)(Driver only):Diagram1

MatesDEV-DS_SEATBELT_SWITCH-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	QI79A	-	0.0	18.0	-	GREY	0.0	-	A2	A67_1600
B	-	-	QI9BB	-	0.0	18.0	-	GREY	0.0	-	-	-

Connector Name A67_1200A
Part Number 3768152C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC
Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram2 - Sensors
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev
2):Diagram1 - HVAC
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev
2):Diagram2 - Sensors
Mates DEV-HVAC_CTRL_HEAD_AUTO-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AA73A	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	980.0	-	PIN1	-
2	-	-	AD74-G	3510358 R1	0.53	20.0	Thin Wall XLPE Primary Cable	WHITE	1180.0	-	X	-
3	-	-	ZF75D-G	2645643 R1	0.35	22.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2730.0	-	5	A67_1053
4	-	-	ZF75D	2645643 R1	0.35	22.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2730.0	-	1	A67_1053

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	AA75B	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	P	A67_120 0E
6	-	-	TA75A	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1390.0	-	X	-
7	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	WIRE720 031	-	0.0	-	-	-	0.0	-	PIN1	-
8	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	WIRE720 033	-	0.0	-	-	-	0.0	-	PIN1	-
12	-	-	AA73B	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	980.0	-	PIN1	-
13	-	-	AD74-GA	3510358 R1	0.53	20.0	Thin Wall XLPE Primary Cable	WHITE	1180.0	-	X	-
14	-	-	ZF75TS1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1790.0	-	2	A67_120 0F
15	-	-	ZF75TS2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1790.0	-	1	A67_120 0F
16	-	-	ZF75TS3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1790.0	-	4	A67_120 0F

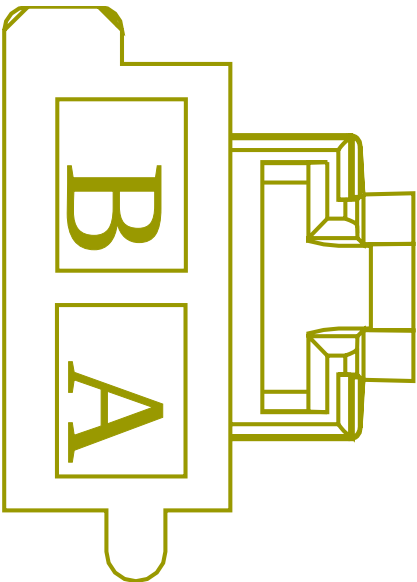
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
17	-	-	ZF75TS4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1790.0	-	3	A67_120 0F

Connector NameA67_1200D

Part Number4061870C1

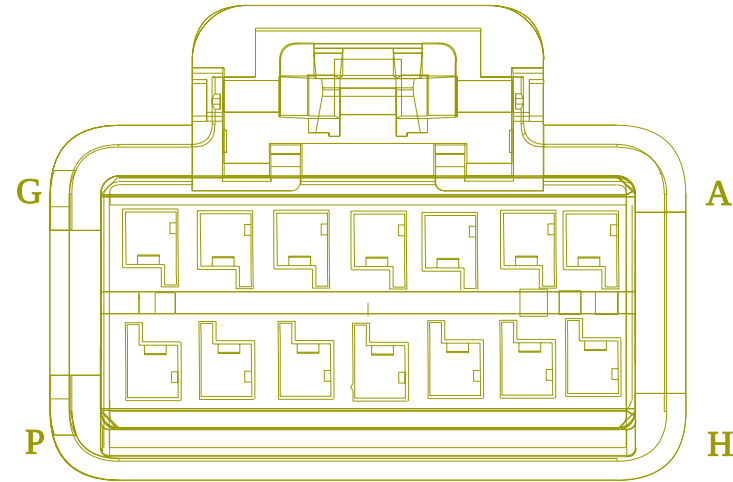
InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC

MatesDEV-HEAT/EVAP-01



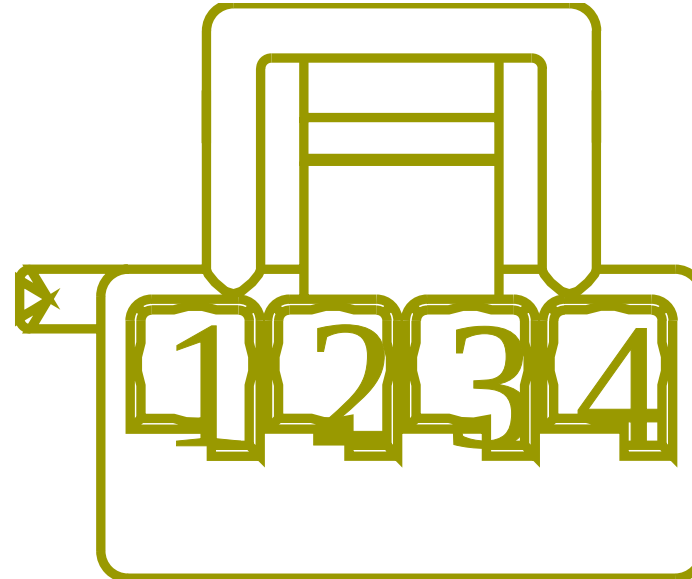
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	TA75AC	2643695 R1	3.01	12.0	Std. Wall XLPE Primary Cable	RED	3415.0	-	-	-
B	-	-	AD75-G	3510362 R1	3.01	12.0	Thin Wall XLPE Primary Cable	WHITE	2170.0	-	X	-

Connector Name A67_1200E
Part Number 4057658C1
Instances Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev
2):Diagram1 - HVAC
Mates DEV-HEAT/EVAP-01



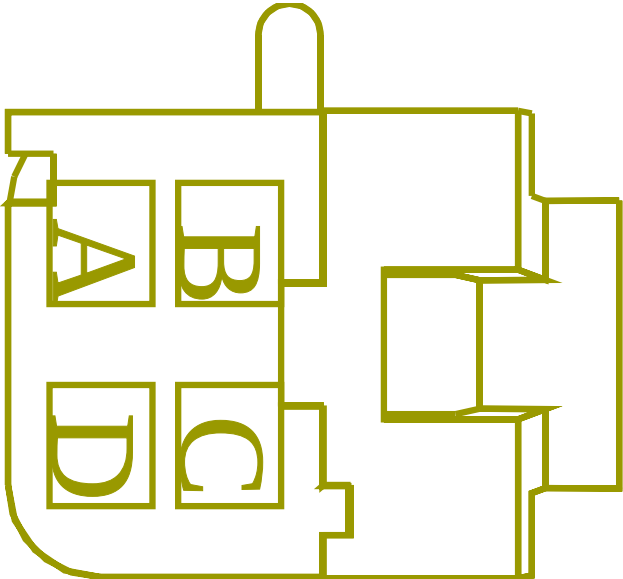
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
L	-	-	SA77D	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2945.0	-	5	A67_1700
L	-	-	SA77D	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2945.0	-	5	1700
M	-	-	AA75-GA	-	0.0	20.0	-	WHITE	0.0	-	7	A67_1700
M	-	-	AA75-GA	-	0.0	20.0	-	WHITE	0.0	-	7	1700
N	-	-	TA75AB	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2000.0	-	X	-
P	-	-	AA75B	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	5	A67_120 0A

Connector Name A67_1200F
Part Number 4116508C1
Instances Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram2 - Sensors
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev
2):Diagram2 - Sensors
Mates DEV-ITOS_SNSR-01



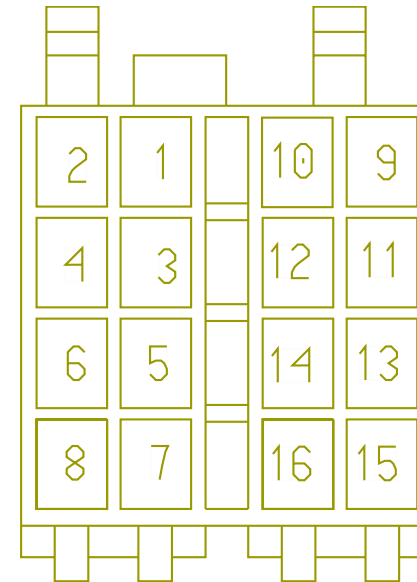
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	ZF75TS2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1790.0	-	15	A67_120 0A
2	-	-	ZF75TS1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1790.0	-	14	A67_120 0A
3	-	-	ZF75TS4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1790.0	-	17	A67_120 0A
4	-	-	ZF75TS3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1790.0	-	16	A67_120 0A

Connector Name A67_1202
Part Number 3767197C1
Instances Hazard Warning (CA 2.0):Diagram1
Mates SW-HAZARD-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AD60-G	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	0.0	-	X	-
B	-	-	AB60C	-	0.0	18.0	-	ORANGE	0.0	-	PIN1	-
C	-	-	AA60A	-	0.0	18.0	-	ORANGE	0.0	-	A6	A67_1607
D	-	-	KA60B	-	0.0	18.0	-	GREY	0.0	-	X	-

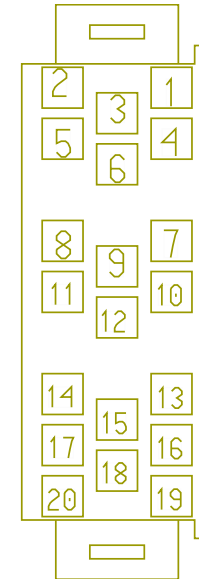
Connector Name A67_1300
Part Number 3597143C1
Instances Radio W/ Bluetooth:Diagram1
Radio W/ Bluetooth & W/ Steering Wheel Pod:Diagram1
Speakers:Four Speakers & N/QC:Diagram1
Mates DEV-RADIO-03



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	EP86AE	-	0.0	18.0	-	LIGHT GREEN	0.0	-	PIN1	-
7	-	-	EP86P	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-
8	-	-	EP86-G	-	0.0	18.0	-	WHITE	0.0	-	1	-
9	-	-	SP86DA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	C	A67_2313
10	-	-	SP86EA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	D	A67_2313
11	-	-	SQ86K	-	0.0	18.0	-	LIGHT GREEN	0.0	-	C	A67_320 6M
12	-	-	SQ86L	-	0.0	18.0	-	LIGHT GREEN	0.0	-	D	A67_320 6M
13	-	-	SQ86H	-	0.0	18.0	-	LIGHT GREEN	0.0	-	C	A67_320 5M

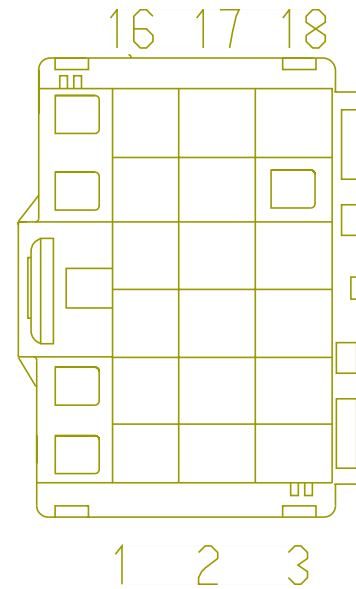
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
14	-	-	SQ86J	-	0.0	18.0	-	LIGHT GREEN	0.0	-	D	A67_320 5M
15	-	-	SP86BA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	C	A67_2312
16	-	-	SP86CA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	D	A67_2312

Connector Name A67_1301
Part Number 3600061C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Radio W/ Bluetooth:Diagram1
Radio W/ Bluetooth & W/ Steering Wheel Pod:Diagram1
Mates DEV-RADIO-03



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
15	-	-	SR86A(+)	-	0.0	20.0	-	LIGHT GREEN	0.0	-	2	A67_2505
15	-	-	WIRE775 901	-	0.0	-	-	-	0.0	-	2	A67_2505
16	-	-	SR86A(-)	-	0.0	20.0	-	LIGHT GREEN	0.0	-	1	A67_2505
16	-	-	WIRE775 900	-	0.0	-	-	-	0.0	-	1	A67_2505

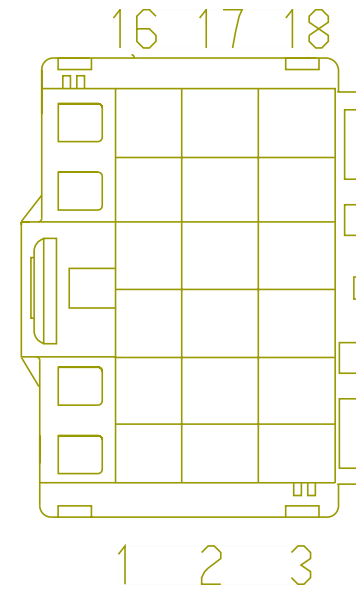
Connector Name A67_1400
Part Number 3596926C1
Instances Antilock Brake System (ABS) (BENDIX 4 Channel
Implementation - No Modulator Twist):Diagram1
Jaw Unlock Control W/ SOLENOIDS W/SWITCH
PACKS:Diagram1
Powertrain Standard J1939 (500Kbps):Powertrain Standard
J1939 (500Kbps)
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Stability Control (Bendix, Straight Truck, J1939 Driven
Lamp):Diagram1
Traction Control (Bendix, VCU):Diagram1
Mates DEV-ABS-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	XA94-GA	3510362 R1	3.01	12.0	Thin Wall XLPE Primary Cable	WHITE	0.0	-	A	A67_4081
3	-	-	XA94V	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	-	-
4	-	-	XB94BN	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	2550.0	-	15	1701
5	-	-	XB94BM	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	2550.0	-	14	1701
7	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	WIRE775 582	-	0.0	-	-	-	0.0	-	PIN1	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
8	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	WIRE775 583	-	0.0	-	-	-	0.0	-	PIN1	-
10	-	-	XA94BH	-	0.0	16.0	-	GREY	0.0	-	18	A67_1701
11	-	-	XA94BF	-	0.0	16.0	-	GREY	0.0	-	19	A67_1701
16	-	-	XA94AY	-	0.0	12.0	-	GREY	0.0	-	-	-

Connector Name A67_1401
Part Number 3596929C1
Instances Antilock Brake System (ABS) (BENDIX 4 Channel
Implementation - No Modulator Twist):Diagram1
Mates DEV-ABS-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	XA94B	-	0.0	16.0	-	GREY	0.0	-	29	A67_1700
2	-	-	XA94	-	0.0	16.0	-	GREY	0.0	-	27	A67_1700
3	-	-	XA94A	-	0.0	16.0	-	GREY	0.0	-	28	A67_1700
4	-	-	XA94K	-	0.0	16.0	-	GREY	0.0	-	36	A67_1700
5	-	-	XA94C	-	0.0	16.0	-	GREY	0.0	-	30	A67_1700
6	-	-	XA94J	-	0.0	16.0	-	GREY	0.0	-	35	A67_1700
7	-	-	XA94H	-	0.0	16.0	-	GREY	0.0	-	34	A67_1700
8	-	-	XA94D	-	0.0	16.0	-	GREY	0.0	-	31	A67_1700
9	-	-	XA94BK	-	0.0	16.0	-	GREY	0.0	-	22	A67_1701
10	-	-	XA94BL	-	0.0	16.0	-	GREY	0.0	-	20	A67_1701
11	-	-	XA94E	-	0.0	16.0	-	GREY	0.0	-	32	A67_1700
12	-	-	XA94BB	-	0.0	16.0	-	GREY	0.0	-	24	A67_1701
13	-	-	XA94BJ	-	0.0	16.0	-	GREY	0.0	-	21	A67_1701
14	-	-	XA94F	-	0.0	16.0	-	GREY	0.0	-	33	A67_1700
15	-	-	XA94BE	-	0.0	16.0	-	GREY	0.0	-	16	A67_1701

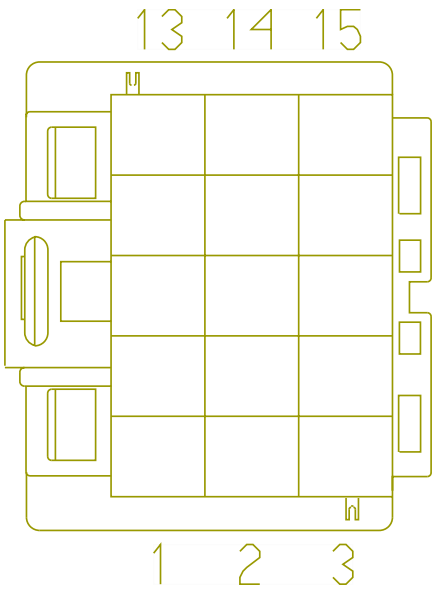
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
16	-	-	XA94BC	-	0.0	16.0	-	GREY	0.0	-	25	A67_1701
17	-	-	XA94BA	-	0.0	16.0	-	GREY	0.0	-	23	A67_1701
18	-	-	XA94BD	-	0.0	16.0	-	GREY	0.0	-	17	A67_1701

Connector NameA67_1402

Part Number3596928C1

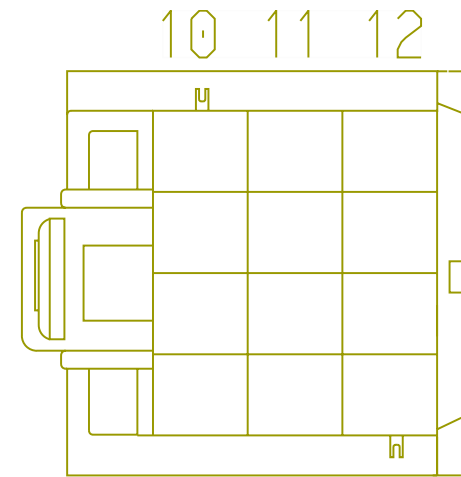
InstancesStability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1

MatesDEV-ABS-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
3	-	-	XM94SK	-	0.0	18.0	-	GREY	0.0	-	69	A67_1701
5	-	-	XL94SJ	-	0.0	16.0	-	GREY	0.0	-	49	A67_1701

Connector Name A67_1403
Part Number 3596927C1
Instances Stability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1
Mates DEV-ABS-01



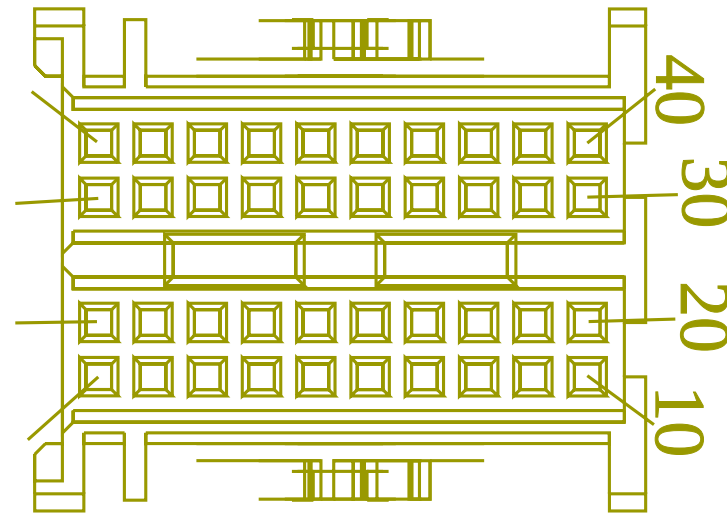
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	XH94SZ	-	0.0	18.0	-	GREY	0.0	-	C10	A67_1800
2	-	-	XL94SE	-	0.0	18.0	-	GREY	0.0	-	D5	A67_1800
4	-	-	XH94SV	-	0.0	18.0	-	GREY	0.0	-	C3	A67_1800
5	-	-	XL94SF	-	0.0	18.0	-	GREY	0.0	-	D6	A67_1800
7	-	-	XL94SDA	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1395.0	-	-	-
8	-	-	XL94SBA	-	0.0	18.0	-	GREY	0.0	-	-	-
10	-	-	XL94SCA	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1395.0	-	-	-
11	-	-	XL94SAA	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1395.0	-	-	-

Connector Name A67_1500A

Part Number 4275140C1

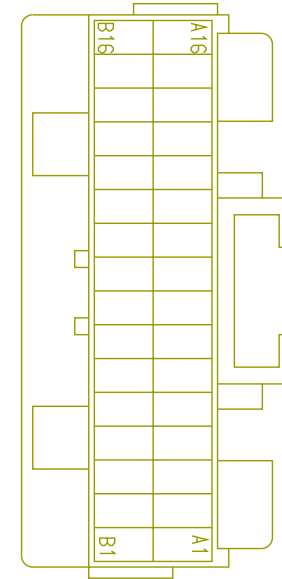
Instances

- Compressed Air Supply (Primary & Secondary Gauge) (Dual Air Brake System):Diagram1
- Compressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1
- Coolant Level Monitoring (W/VCU):Diagram1
- Coolant Temperature Monitoring (J1939 Comm, W/ VCU):Diagram1
- Diagnostic Mode (Horizon):Diagram1
- Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O Fender Lights:Diagram1
- Door Ajar Reminder (Entry/Exit) (2 Doors):Diagram1
- Engine Speed (Tachometer, W/VCU):Diagram1
- Engine Warning (DM1 LAMPS - MUX):Diagram1
- Exterior Lighting On Reminder:Diagram1
- Headlights (LED CAN) W/O Plow Lights:Diagram1
- High-Voltage Monitor:Diagram1
- Instrument Cluster (EGC) EV:Diagram1
- Instrument Cluster - Bulb Check:Diagram1
- Jaw Unlock Control W/ SOLENOIDS W/SWITCH PACKS:Diagram1
- Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts, N/Guide Posts:Diagram1
- Odometer (W/VCU):Diagram1
- Over the Air Programming (OnCommand Link / N2 Module):Diagram1
- Park Brake Controls (W/VCU):Diagram1
- Power Lift Gate:Diagram1
- Powertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)
- Regenerative Braking (W/VCU):Diagram1
- Seatbelt Reminder (Warning)(Driver only):Diagram1
- Stability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1
- Theft Deterrent (Standard, J1939 Mux SW, W/VCU):Diagram1
- Traction Control (Bendix, VCU):Diagram1
- Trip Odometer (W/VCU):Diagram1
- Vehicle Speed Control (Cruise Control) (Steering Wheel Controls, W/VCU):Diagram1
- Voltage Monitoring (Voltmeter) (Horizon):Diagram1
- Windshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AD11-GKE	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-
11	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	WIRE775 550	-	0.0	-	-	-	0.0	-	PIN1	-
12	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	WIRE775 549	-	0.0	-	-	-	0.0	-	PIN1	-
21	-	-	AA14EE	-	0.0	20.0	-	TAN	0.0	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	WIRE775 571	-	0.0	-	-	-	0.0	-	PIN1	-
29	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	WIRE775 570	-	0.0	-	-	-	0.0	-	PIN1	-
37	-	-	AA13EA	-	0.0	20.0	-	TAN	0.0	-	PIN1	-
38	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	WIRE775 576	-	0.0	-	-	-	0.0	-	PIN1	-
39	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	WIRE775 577	-	0.0	-	-	-	0.0	-	PIN1	-

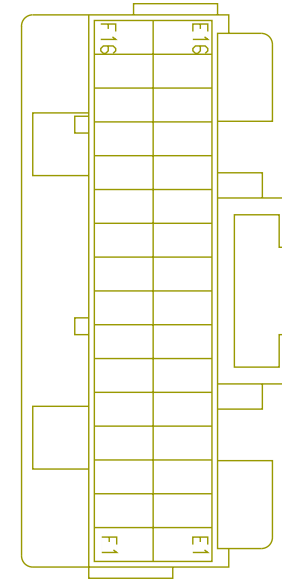
Connector Name A67_1600
Part Number 3598706C1
Instances Compressed Air Supply (Primary & Secondary Gauge) (Dual Air Brake System):Diagram1
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O Fender Lights:Diagram1
Door Ajar Reminder (Entry/Exit) (2 Doors):Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Operator Input (Key Switch):Diagram1
Seatbelt Reminder (Warning)(Driver only):Diagram1
Windshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1
Windshield Washer Pump W/O Low Fluid Sensor:Diagram1
Windshield Wipers:Diagram1
Mates MODU-BCM-A000-10-00



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A1	-	-	EC149	-	0.0	18.0	-	GREY	0.0	-	C	A67_1100
A2	-	-	QI79A	-	0.0	18.0	-	GREY	0.0	-	A	A67_1112
A4	-	-	AA52D	-	0.0	20.0	-	YELLOW 2	0.0	-	A7	A67_1800
A6	-	-	AA57F	-	0.0	20.0	-	ORANGE	0.0	-	A2	A67_1800
A7	-	-	AA56F	-	0.0	20.0	-	ORANGE	0.0	-	A1	A67_1800
A8	-	-	HK87C	-	0.0	18.0	-	GREY	0.0	-	17	A67_1700
A9	-	-	AA82A	-	0.0	20.0	-	GREY	0.0	-	-	-
A10	-	-	AA82B	-	0.0	18.0	-	GREY	0.0	-	-	-
A11	-	-	AA82C	-	0.0	20.0	-	GREY	0.0	-	B1	A67_1800
A13	-	-	AA63A	-	0.0	16.0	-	LIGHT BLUE	0.0	-	PIN1	-
A14	-	-	AA102A	-	0.0	18.0	-	YELLOW 2	0.0	-	-	-
A15	-	-	HJ87B	-	0.0	20.0	-	GREY	0.0	-	PIN1	-
A16	-	-	DB149A	-	0.0	18.0	-	GREY	0.0	-	D	A67_1100

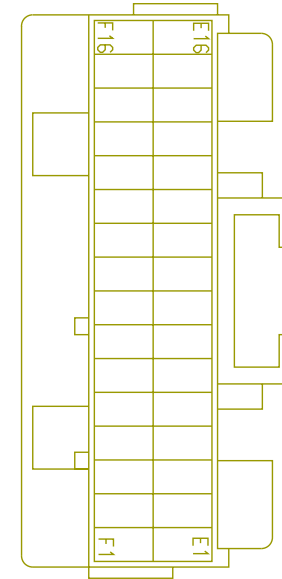
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B2	-	-	NK40	-	0.0	20.0	-	GREY	0.0	-	C12	A67_1800
B3	-	-	NK40A	-	0.0	20.0	-	GREY	0.0	-	B2	A67_1800

Connector Name A67_1601
Part Number 3598707C1
Instances Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1
Mirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood
Mirrors):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left
Side Only):Diagram1
Windshield Wipers:Diagram1
Mates MODU-BCM-A000-10-00



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E6	-	-	AA82H	-	0.0	18.0	-	GREY	0.0	-	R5-86	A67_1011
E7	-	-	AA82F	-	0.0	18.0	-	GREY	0.0	-	R2-86	A67_1011
F13	-	-	RN78RC	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	0.0	-	X	-
F15	-	-	VE70D	-	0.0	18.0	-	ORANGE	0.0	-	R1-86	A67_1011

Connector Name A67_1602
Part Number 3598705C1
Instances Compressed Air Supply (Primary & Secondary Gauge) (Dual Air Brake System):Diagram1
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O Fender Lights:Diagram1
Door Ajar Reminder (Entry/Exit) (2 Doors):Diagram1
Hazard Warning (CA 2.0):Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Park Lights (W/Marker Interrupt):Diagram1
Park Lights - N/Marker Interrupt:Diagram1
Seatbelt Reminder (Warning)(Driver only):Diagram1
Vehicle Alarm System (Standard):Diagram1
Windshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1
Windshield Wipers:Diagram1
Mates MODU-BCM-A000-10-00



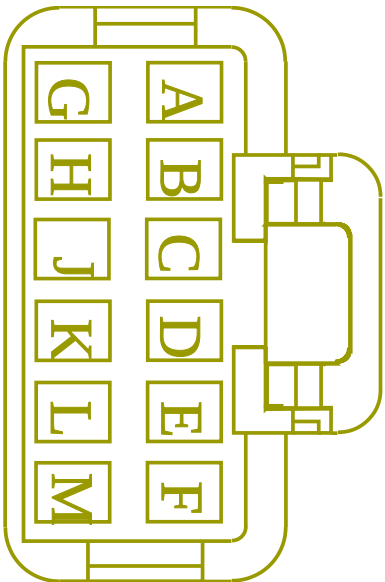
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E3	-	-	AA9Z	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1360.0	-	-	-
E4	-	-	NK6	-	0.0	18.0	-	GREY	0.0	-	B3	A67_1800
E5	-	-	KA9H	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
E5	-	-	KA9H	-	0.0	18.0	-	GREY	0.0	-	X	-
E7	-	-	AA9F	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
E11	-	-	AB50	-	0.0	18.0	-	YELLOW 2	0.0	-	P	A67_0009
F5	-	-	-	-	-	-	-	-	-	-	-	-
F6	-	-	-	-	-	-	-	-	-	-	-	-

Connector NameA67_1603

Part Number3598711C1

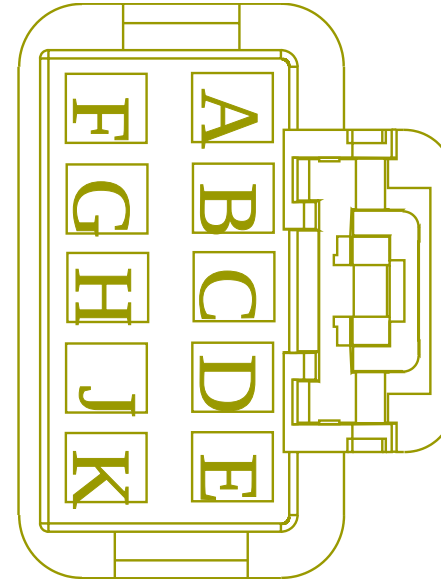
InstancesBody Builder Lighting - (8HAA) (Blunt Cut):Diagram1
Front Fog Lamps:Diagram1

MatesMODU-BCM-A000-10-00



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	YU57A	-	0.0	16.0	-	ORANGE	0.0	-	-	-
B	-	-	AAD56AA	-	0.0	16.0	-	ORANGE	0.0	-	-	-
F	-	-	YJ64A	-	0.0	16.0	-	YELLOW 2	0.0	-	22	A67_1700
K	-	-	YJ64B	-	0.0	16.0	-	YELLOW 2	0.0	-	23	A67_1700

Connector Name A67_1604
Part Number 3598710C1
Instances Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1
Cab Dome Light W/Classic Trim (MV, HV, HX):Diagram1
Cab Dome Lights (CA 2.0 Standard Cab/Low Rise
Sleeper):Diagram1
Clearance and Identification Lights N/SUNSHADE AMBER
LENS:Diagram1
Courtesy Step Lighting (2 Door):Diagram1
License Plate Light (LED BOX LAMP Daisy Chain Tail
Light):Diagram1
Mirror Lighting (Turns N/ Door Pods):Diagram1
Mirror Lighting (Turns W/ Door Pods):Diagram1
Windshield Wipers:Diagram1
Mates MODU-BCM-A000-10-00



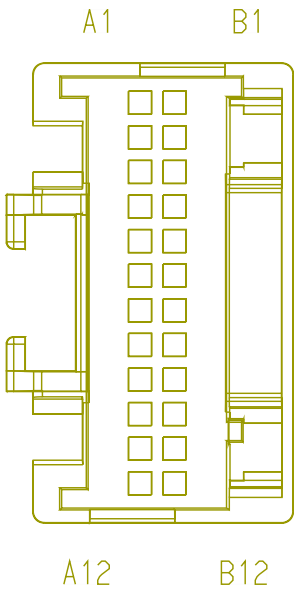
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA82	-	0.0	18.0	-	GREY	0.0	-	-	-
C	-	-	AAE56BA	-	0.0	16.0	-	ORANGE	0.0	-	PIN1	-
D	-	-	VE68T	-	0.0	12.0	-	BROWN	0.0	-	8	A67_1701
F	-	-	VE58D	-	0.0	12.0	-	BROWN	0.0	-	7	A67_1701
G	-	-	YP54	3510306 R1	1.16	16.0	Thin Wall XLPE Primary Cable	BROWN	0.0	-	-	-
J	-	-	WG63	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-
K	-	-	AAA57	-	0.0	16.0	-	ORANGE	0.0	-	PIN1	-

Connector NameA67_1607

Part Number3710061C1

InstancesHazard Warning (CA 2.0):Diagram1

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Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A6	-	-	AA60A	-	0.0	18.0	-	ORANGE	0.0	-	C	A67_1202

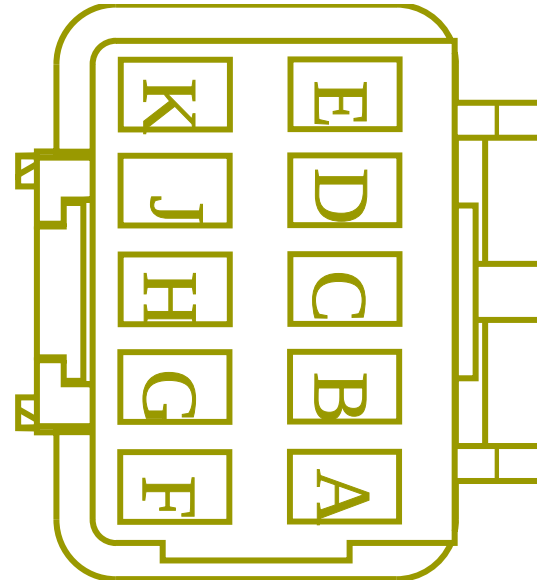
Connector Name A67_1620
Part Number 2007315C1
Instances ZVR Splice Packs 1620:Diagram1
Mates SP-ZVR_SPLICE_PACK-B000-10 -A1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA9Z	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1360.0	-	-	-
B	-	-	NA9CDC	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	515.0	-	-	-
C	-	-	XS9AC	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	2085.0	-	-	-
D	-	-	ME110B	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	990.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
F	-	-	AB9	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1035.0	-	-	-
F	-	-	AC9	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1080.0	-	-	-
G	-	-	KA9B	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	220.0	-	-	-
H	-	-	ND9A	3510358 R1	0.53	20.0	Thin Wall XLPE Primary Cable	WHITE	670.0	-	-	-
J	-	-	QI9BB	-	0.0	18.0	-	GREY	0.0	-	-	-
K	-	-	VU9ZF	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1035.0	-	-	-

Connector Name A67_1652
Part Number 4278598C1
Instances HV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)



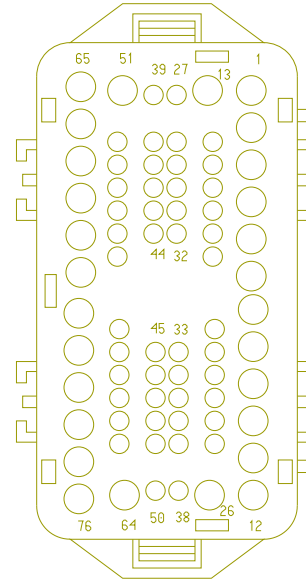
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775720	-	0.0	-	-	-	0.0	-	10	A67_1703M
B	-	-	WIRE825053	-	0.0	-	-	-	0.0	-	12	A67_1703M
B	-	-	WIRE775601	-	0.0	-	-	-	0.0	-	12	A67_1703M
C	-	-	WIRE775908	-	0.0	-	-	-	0.0	-	7	A67_1703M
F	-	-	WIRE775719	-	0.0	-	-	-	0.0	-	11	A67_1703M
G	-	-	WIRE825052	-	0.0	-	-	-	0.0	-	13	A67_1703M
G	-	-	WIRE775599	-	0.0	-	-	-	0.0	-	13	A67_1703M
H	-	-	WIRE775904	-	0.0	-	-	-	0.0	-	8	A67_1703M

Connector Name A67_1700

Part Number 3595625C1

Instances Antilock Brake System (ABS) (BENDIX 4 Channel Implementation - No Modulator Twist):Diagram1
 Body Standard J1939 (250Kbps):Body Standard J1939 (250Kbps)
 City Horn:Diagram1
 Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O Fender Lights:Diagram1
 Front Fog Lamps:Diagram1
 Headlights (LED CAN) W/O Plow Lights:Diagram1
 Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts, N/Guide Posts:Diagram1
 Mirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
 Mirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood Mirrors):Diagram1
 Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
 Vehicle Sound Generator:Diagram1
 Windshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1
 Windshield Washer Pump W/O Low Fluid Sensor:Diagram1

Mates M01_1700



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AP14LA	-	0.0	14.0	-	PINK	0.0	-	-	-
2	-	-	AP14RA	-	0.0	14.0	-	PINK	0.0	-	-	-
3	-	-	AP13LA	-	0.0	14.0	-	PINK	0.0	-	-	-
4	-	-	AP13RA	-	0.0	14.0	-	PINK	0.0	-	-	-
17	-	-	HK87C	-	0.0	18.0	-	GREY	0.0	-	A8	A67_1600
18	-	-	KA9BF	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
19	-	-	HJ87KA	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	2445.0	-	-	-
20	-	-	HJ87BA	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
21	-	-	AA85	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	640.0	-	E	J2-1604
22	-	-	YJ64A	-	0.0	16.0	-	YELLOW 2	0.0	-	F	A67_1603
23	-	-	YJ64B	-	0.0	16.0	-	YELLOW 2	0.0	-	K	A67_1603
24	-	-	AA86AX	-	0.0	18.0	-	LIGHT GREEN	0.0	-	9	A67_6500
25	-	-	AA86B	-	0.0	18.0	-	WHITE	0.0	-	3	A67_6500
27	-	-	XA94	-	0.0	16.0	-	GREY	0.0	-	2	A67_1401
28	-	-	XA94A	-	0.0	16.0	-	GREY	0.0	-	3	A67_1401
29	-	-	XA94B	-	0.0	16.0	-	GREY	0.0	-	1	A67_1401
30	-	-	XA94C	-	0.0	16.0	-	GREY	0.0	-	5	A67_1401
31	-	-	XA94D	-	0.0	16.0	-	GREY	0.0	-	8	A67_1401
32	-	-	XA94E	-	0.0	16.0	-	GREY	0.0	-	11	A67_1401
33	-	-	XA94F	-	0.0	16.0	-	GREY	0.0	-	14	A67_1401
34	-	-	XA94H	-	0.0	16.0	-	GREY	0.0	-	7	A67_1401
35	-	-	XA94J	-	0.0	16.0	-	GREY	0.0	-	6	A67_1401
36	-	-	XA94K	-	0.0	16.0	-	GREY	0.0	-	4	A67_1401
37	-	-	WIRE775 841	-	0.0	-	-	-	0.0	-	F	A67_250M
38	-	-	WIRE775 840	-	0.0	-	-	-	0.0	-	E	A67_250M
63	-	-	RM78AC	-	0.0	16.0	-	LIGHT GREEN	0.0	-	-	-
64	-	-	RM78AC	-	0.0	16.0	-	LIGHT GREEN	0.0	-	X	-

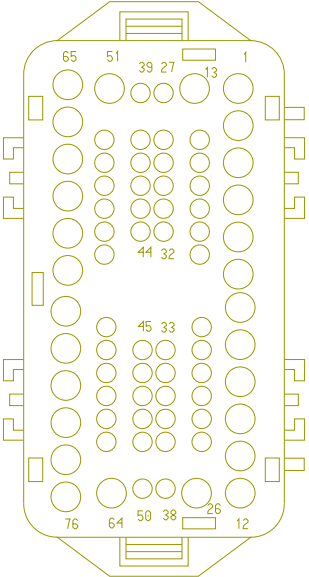
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
64	-	-	RM78AD	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	0.0	-	X	-

Connector NameA67_1700

Part Number3595625C1

InstancesCab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps) Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC
Powertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)

MatesM01_1700



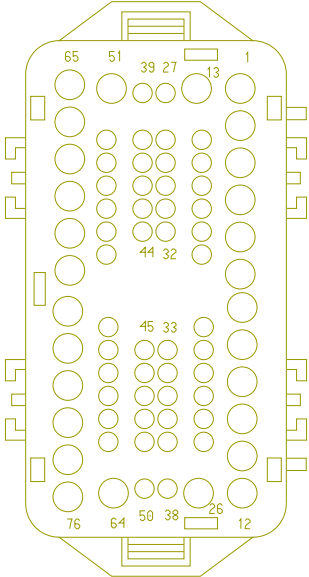
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	SA77D	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2945.0	-	L	A67_120 0E
7	-	-	AA75-GA	-	0.0	20.0	-	WHITE	0.0	-	M	A67_120 0E
39	-	-	WIRE775 505	-	0.0	-	-	-	0.0	-	PIN1	-
40	-	-	WIRE775 504	-	0.0	-	-	-	0.0	-	PIN1	-
61	-	-	WIRE775 539	-	0.0	-	-	-	0.0	-	PIN1	-
62	-	-	WIRE775 540	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameA67_1700

Part Number3595625C1

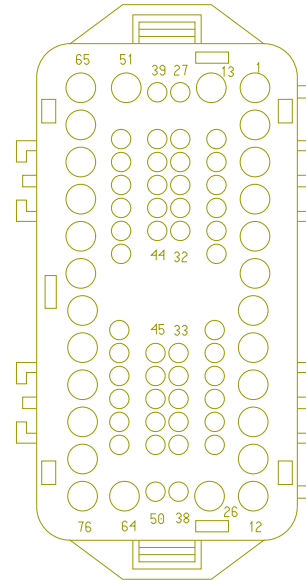
InstancesHVAC Actuators:Diagram 1

MatesM01_1700



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	SA77D	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2945.0	-	L	1200E
7	-	-	AA75-GA	-	0.0	20.0	-	WHITE	0.0	-	M	1200E

Connector Name A67_1701
Part Number 3595623C1
Instances Antilock Brake System (ABS) (BENDIX 4 Channel
Implementation - No Modulator Twist):Diagram1
Backup Alarm (From Relay to 5 Pin Daisy Chain. Backup Alarm
Plugs in):Diagram1
Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
Body Builder Aux Power (IGN Power, EOF, Blunt Cut):Diagram1
Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1
License Plate Light (LED BOX LAMP Daisy Chain Tail
Light):Diagram1
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Stability Control (Bendix, Straight Truck, J1939 Driven
Lamp):Diagram1
Vehicle Sound Generator:Diagram1
Mates N03_1701F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	ZA71A	-	0.0	16.0	-	ORANGE	0.0	-	-	-
2	-	-	YL56CA	-	0.0	16.0	-	ORANGE	0.0	-	-	-
3	-	-	YL57AA	-	0.0	16.0	-	ORANGE	0.0	-	-	-
4	-	-	ZN68A	-	0.0	16.0	-	BROWN	0.0	-	-	-
5	-	-	AAP56T	-	0.0	16.0	-	ORANGE	0.0	-	-	-
6	-	-	AAP57T	-	0.0	16.0	-	ORANGE	0.0	-	-	-
7	-	-	VE58D	-	0.0	12.0	-	BROWN	0.0	-	F	A67_1604
8	-	-	VE68T	-	0.0	12.0	-	BROWN	0.0	-	D	A67_1604
9	-	-	TK70T	-	0.0	12.0	-	ORANGE	0.0	-	R1-87	A67_1011
10	-	-	TE94T	-	0.0	12.0	-	GREY	0.0	-	R1-87	A67_1012
16	-	-	XA94BE	-	0.0	16.0	-	GREY	0.0	-	15	A67_1401
17	-	-	XA94BD	-	0.0	16.0	-	GREY	0.0	-	18	A67_1401
18	-	-	XA94BH	-	0.0	16.0	-	GREY	0.0	-	10	A67_1400
19	-	-	XA94BF	-	0.0	16.0	-	GREY	0.0	-	11	A67_1400
20	-	-	XA94BL	-	0.0	16.0	-	GREY	0.0	-	10	A67_1401

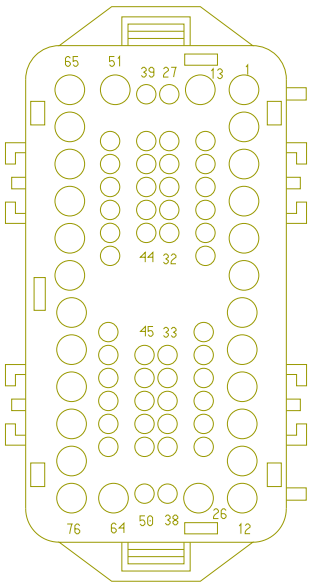
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
21	-	-	XA94BJ	-	0.0	16.0	-	GREY	0.0	-	13	A67_1401
22	-	-	XA94BK	-	0.0	16.0	-	GREY	0.0	-	9	A67_1401
23	-	-	XA94BA	-	0.0	16.0	-	GREY	0.0	-	17	A67_1401
24	-	-	XA94BB	-	0.0	16.0	-	GREY	0.0	-	12	A67_1401
25	-	-	XA94BC	-	0.0	16.0	-	GREY	0.0	-	16	A67_1401
30	-	-	AA86C	-	0.0	18.0	-	LIGHT GREEN	0.0	-	10	A67_6500
31	-	-	AA86D	-	0.0	18.0	-	WHITE	0.0	-	4	A67_6500
49	-	-	XL94SJ	-	0.0	16.0	-	GREY	0.0	-	5	A67_1402
54	-	-	XL94SA	-	0.0	20.0	-	GREY	0.0	-	-	-
55	-	-	XL94SC	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	-	-
56	-	-	XL94SB	-	0.0	20.0	-	GREY	0.0	-	-	-
57	-	-	XL94SD	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	-	-
69	-	-	XM94SK	-	0.0	18.0	-	GREY	0.0	-	3	A67_1402

Connector NameA67_1701

Part Number3595623C1

InstancesPower Lift Gate:Diagram1

MatesN03_1701F



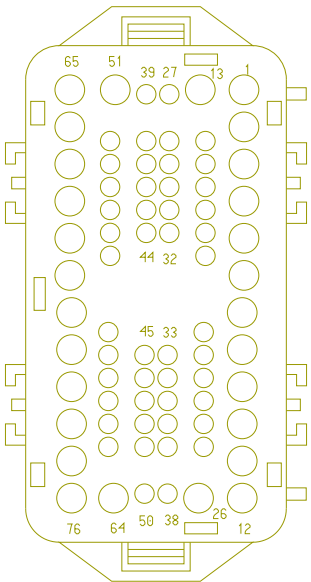
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
66	-	-	KP112	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	720.0	-	J	J1-1603

Connector NameA67_1701

Part Number3595623C1

InstancesEnd of Frame Aux Work Light (One Light N/Relay):Diagram1

MatesN03_1701F



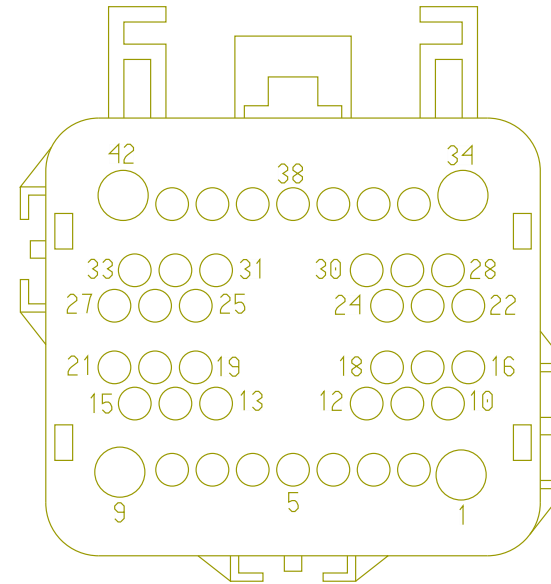
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
68	-	-	ZT65	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	0.0	-	G	J1-1603

Connector Name A67_1702

Part Number 3595621C1

Instances Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
 Battery Management System (Post 05-2022) Option 2:Diagram2
 Battery Thermal Management (W/VCU) BTMS:Diagram1
 Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
 Charge Port Monitoring OCI System:Diagram1
 Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1
 eVehicle Charging (W/VCU) Onboard Charging Modules:Diagram1
 High-Voltage Distribution Module (HVDM):Diagram1
 HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC:HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC
 HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
 Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1
 Power Electronics Coolant Temperature Monitoring:Diagram1
 Powertrain Ground Distribution:Diagram1
 Powertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)
 Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1
 Vehicle Control Unit (VCU):Diagram1

Mates K03_1702

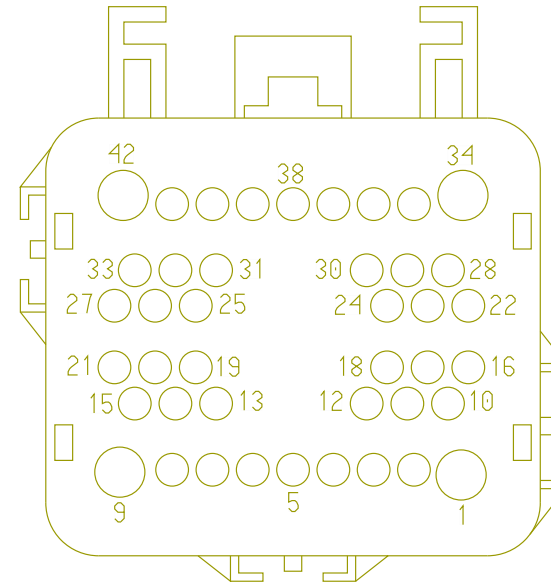


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	MA97HA	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	2	A67_170 3F
3	-	-	ZL71AE	-	0.0	18.0	-	PINK	0.0	-	3	A67_170 3F
4	-	-	AA101BB	-	0.0	18.0	-	TAN	0.0	-	4	A67_170 3F
5	-	-	AA14XB	-	0.0	16.0	-	RED	0.0	-	5	A67_170 3F

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
6	-	-	WIRE775 514	-	0.0	-	-	-	0.0	-	6	A67_170 3F
7	-	-	WIRE775 909	-	0.0	-	-	-	0.0	-	7	A67_170 3F
8	-	-	WIRE775 905	-	0.0	-	-	-	0.0	-	8	A67_170 3F
10	-	-	WIRE775 718	-	0.0	-	-	-	0.0	-	10	A67_170 3F
11	-	-	WIRE775 717	-	0.0	-	-	-	0.0	-	11	A67_170 3F
12	-	-	WIRE775 618	-	0.0	-	-	-	0.0	-	12	A67_170 3F
13	-	-	WIRE775 617	-	0.0	-	-	-	0.0	-	13	A67_170 3F
14	-	-	WIRE775 560	-	0.0	-	-	-	0.0	-	14	A67_170 3F
15	-	-	WIRE775 559	-	0.0	-	-	-	0.0	-	15	A67_170 3F
19	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	WIRE775 515	-	0.0	-	-	-	0.0	-	21	A67_170 3F
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	AA10E	-	0.0	18.0	-	WHITE	0.0	-	23	A67_170 3F
28	-	-	WA101AA	-	0.0	18.0	-	GREY	0.0	-	28	A67_170 3F
31	-	-	AA14AP	-	0.0	18.0	-	RED	0.0	-	31	A67_170 3F
32	-	-	AA97AFF	-	0.0	16.0	-	RED	0.0	-	32	A67_170 3F
33	-	-	AA13V	-	0.0	18.0	-	PINK	0.0	-	33	A67_170 3F

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
34	-	-	AA13W	-	0.0	18.0	-	PINK	0.0	-	34	A67_170 3F
35	-	-	AA14AR	-	0.0	18.0	-	PINK	0.0	-	35	A67_170 3F
36	-	-	AA97AGG	-	0.0	16.0	-	VIOLET	0.0	-	36	A67_170 3F
37	-	-	AA13X	-	0.0	18.0	-	PINK	0.0	-	37	A67_170 3F
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	A67_170 3F

Connector Name A67_1702
Part Number 3595621C1
Instances Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2
Engine Speed Control (ePTO):Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter).:Diagram1
Mates K13_1702



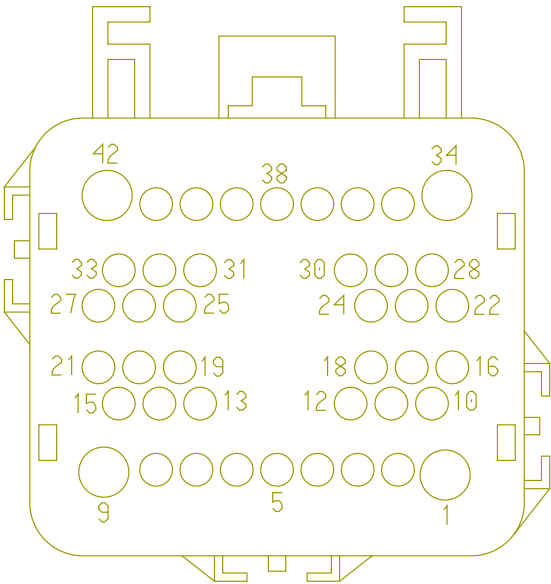
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
12	-	-	WIRE825055	-	0.0	-	-	-	0.0	-	12	A67_1703F
13	-	-	WIRE825054	-	0.0	-	-	-	0.0	-	13	A67_1703F
31	-	-	AA14AP	-	0.0	18.0	-	RED	0.0	-	31	A67_1703F
32	-	-	AA97AFF	-	0.0	16.0	-	RED	0.0	-	32	A67_1703F
33	-	-	AA13V	-	0.0	18.0	-	PINK	0.0	-	33	A67_1703F
34	-	-	AA13W	-	0.0	18.0	-	PINK	0.0	-	34	A67_1703F
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	A67_1703F

Connector NameA67_1702

Part Number3595621C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram2
Charge Port Monitoring OCI System (Rev 2):Diagram1

MatesK08_1702



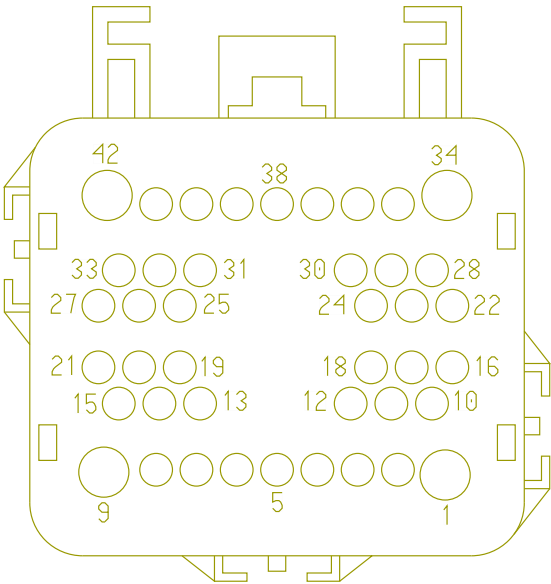
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	MA97HA	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	2	A67_170 3F
5	-	-	AA14XB	-	0.0	16.0	-	RED	0.0	-	5	A67_170 3F

Connector NameA67_1702

Part Number3595621C1

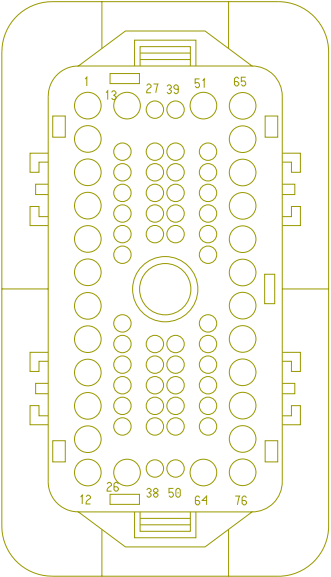
InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesK07_1702



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	UL23MA	-	0.0	12.0	-	RED	0.0	-	1	A67_170 3F
9	-	-	AA10V	-	0.0	18.0	-	RED	0.0	-	9	A67_170 3F
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	A67_170 3F

Connector Name	A67_1703F
Part Number	3595624C1
Instances	Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1 Battery Management System (Post 05-2022) Option 1:Diagram2 Battery Management System (Post 05-2022) Option 2:Diagram2 Battery Thermal Management (W/VCU) BTMS:Diagram1 Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps) Charge Port Monitoring OCI System:Diagram1 Charge Port Monitoring OCI System (Rev 2):Diagram1 Charging System (W/VCU) Dual DC/DC Converter 12V W/ InMotion 0008WUM:Diagram1 Charging System (W/VCU) Dual DC/DC Converter 12V W/ InMotion 0008WUM:Diagram2 Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1 Engine Speed Control (ePTO):Diagram2 eVehicle Charging (W/VCU) Onboard Charging Modules:Diagram1 High-Voltage Distribution Module (HVDM):Diagram1 HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC:HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1 HV Power J1939 (500Kbps):HV Power J1939 (500Kbps) Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1 Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):.Diagram1 Power Electronics Coolant Temperature Monitoring:Diagram1 Powertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps) Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1 Vehicle Control Unit (VCU):Diagram1 Windshield Wipers:Diagram1
Mates	A67_1703M



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	MA97HA	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	2	A67_1702
3	-	-	ZL71AE	-	0.0	18.0	-	PINK	0.0	-	3	A67_1702
4	-	-	AA101BB	-	0.0	18.0	-	TAN	0.0	-	4	A67_1702
5	-	-	AA14XB	-	0.0	16.0	-	RED	0.0	-	5	A67_1702
6	-	-	WIRE775 514	-	0.0	-	-	-	0.0	-	6	A67_1702
7	-	-	WIRE775 909	-	0.0	-	-	-	0.0	-	7	A67_1702
8	-	-	WIRE775 905	-	0.0	-	-	-	0.0	-	8	A67_1702
10	-	-	WIRE775 718	-	0.0	-	-	-	0.0	-	10	A67_1702
11	-	-	WIRE775 717	-	0.0	-	-	-	0.0	-	11	A67_1702
12	-	-	WIRE825 055	-	0.0	-	-	-	0.0	-	12	A67_1702
12	-	-	WIRE775 618	-	0.0	-	-	-	0.0	-	12	A67_1702
13	-	-	WIRE825 054	-	0.0	-	-	-	0.0	-	13	A67_1702
13	-	-	WIRE775 617	-	0.0	-	-	-	0.0	-	13	A67_1702
14	-	-	WIRE775 560	-	0.0	-	-	-	0.0	-	14	A67_1702
15	-	-	WIRE775 559	-	0.0	-	-	-	0.0	-	15	A67_1702
21	-	-	WIRE775 515	-	0.0	-	-	-	0.0	-	21	A67_1702
23	-	-	AA10E	-	0.0	18.0	-	WHITE	0.0	-	23	A67_1702

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
28	-	-	WA101AA	-	0.0	18.0	-	GREY	0.0	-	28	A67_1702
31	-	-	AA14AP	-	0.0	18.0	-	RED	0.0	-	31	A67_1702
32	-	-	AA97AFF	-	0.0	16.0	-	RED	0.0	-	32	A67_1702
33	-	-	AA13V	-	0.0	18.0	-	PINK	0.0	-	33	A67_1702
34	-	-	AA13W	-	0.0	18.0	-	PINK	0.0	-	34	A67_1702
35	-	-	AA14AR	-	0.0	18.0	-	PINK	0.0	-	35	A67_1702
36	-	-	AA97AGG	-	0.0	16.0	-	VIOLET	0.0	-	36	A67_1702
37	-	-	AA13X	-	0.0	18.0	-	PINK	0.0	-	37	A67_1702
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	A67_1702
43	-	-	AA82DJ	-	0.0	16.0	-	GREY	0.0	-	A	A67_4500
44	-	-	AA82JJ	-	0.0	16.0	-	GREY	0.0	-	B	A67_4500
45	-	-	AA82KJ	-	0.0	16.0	-	GREY	0.0	-	D	A67_4500
46	-	-	AA82LJ	-	0.0	16.0	-	GREY	0.0	-	E	A67_4500
49	-	-	AA82-GJ	-	0.0	16.0	-	WHITE	0.0	-	C	A67_4500

Connector NameA67_1703F

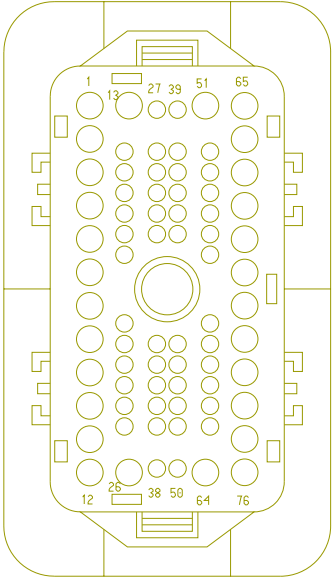
Part Number3595624C1

Instances

Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC

Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

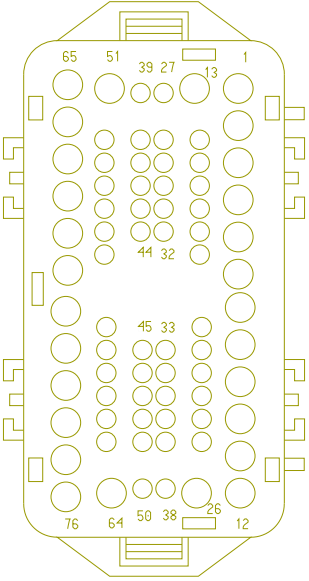
MatesA67_1703M



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	UL23MA	-	0.0	12.0	-	RED	0.0	-	1	A67_1702
9	-	-	AA10V	-	0.0	18.0	-	RED	0.0	-	9	A67_1702
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	A67_1702

Connector Name A67_1703M
Part Number 3595625C1
Instances Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
 Battery Management System (Post 05-2022) Option 1:Diagram2
 Battery Management System (Post 05-2022) Option 2:Diagram2
 Battery Thermal Management (W/VCU) BTMS:Diagram1
 Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
 Charge Port Monitoring OCI System:Diagram1
 Charge Port Monitoring OCI System (Rev 2):Diagram1
 Charging System (W/VCU) Dual DC/DC Converter 12V W/
 InMotion 0008WUM:Diagram1
 Charging System (W/VCU) Dual DC/DC Converter 12V W/
 InMotion 0008WUM:Diagram2
 Charging System (W/VCU) Dual DC/DC Converter W/ Power
 Solutions 0008WUC:Diagram1
 Engine Speed Control (ePTO):Diagram2
 eVehicle Charging (W/VCU) Onboard Charging
 Modules:Diagram1
 High-Voltage Distribution Module (HVDM):Diagram1
 HV Controls J1939 (500Kbps) with Power Solutions DC/DC
 0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
 DC/DC 0008WUC
 HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
 HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
 Hybrid Auxiliary Power Generator for HEV (DC/AC
 Inverter):Diagram1
 Hybrid Auxiliary Power Generator for HEV (DC/AC
 Inverter):.Diagram1
 Power Electronics Coolant Temperature Monitoring:Diagram1
 Powertrain Standard J1939 (500Kbps):Powertrain Standard
 J1939 (500Kbps)
 Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to
 VCU):Diagram1
 Vehicle Control Unit (VCU):Diagram1
 Windshield Wipers:Diagram1

Mates A67_1703F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	AA97H	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	-	-
3	-	-	ZL71AD	-	0.0	18.0	-	PINK	0.0	-	R2-85	A67_1012
4	-	-	AA101BJ	-	0.0	18.0	-	TAN	0.0	-	D1	1800
5	-	-	AA14XA	-	0.0	16.0	-	RED	0.0	-	-	-
6	-	-	WIRE775 512	-	0.0	-	-	-	0.0	-	PIN1	-
7	-	-	WIRE775 908	-	0.0	-	-	-	0.0	-	C	A67_1652
8	-	-	WIRE775 904	-	0.0	-	-	-	0.0	-	H	A67_1652
10	-	-	WIRE775 720	-	0.0	-	-	-	0.0	-	A	A67_1652
11	-	-	WIRE775 719	-	0.0	-	-	-	0.0	-	F	A67_1652
12	-	-	WIRE825 053	-	0.0	-	-	-	0.0	-	B	A67_1652
12	-	-	WIRE775 601	-	0.0	-	-	-	0.0	-	B	A67_1652
13	-	-	WIRE825 052	-	0.0	-	-	-	0.0	-	G	A67_1652
13	-	-	WIRE775 599	-	0.0	-	-	-	0.0	-	G	A67_1652
14	-	-	WIRE775 585	-	0.0	-	-	-	0.0	-	PIN1	-
15	-	-	WIRE775 584	-	0.0	-	-	-	0.0	-	PIN1	-
21	-	-	WIRE775 513	-	0.0	-	-	-	0.0	-	PIN1	-
23	-	-	AA10EJ	-	0.0	18.0	-	WHITE	0.0	-	D2	1800

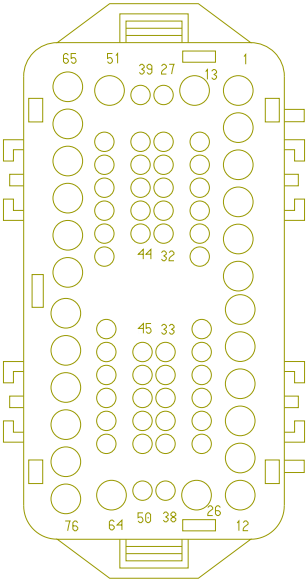
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
28	-	-	WA101BA	-	0.0	18.0	-	WHITE	0.0	-	D4	1800
31	-	-	AA14AEJ	-	0.0	18.0	-	RED	0.0	-	30	A67_1102
32	-	-	AA97AFJ	-	0.0	16.0	-	RED	0.0	-	85	A67_1102
33	-	-	AA13VJ	-	0.0	18.0	-	PINK	0.0	-	86	A67_1102
34	-	-	AA13WJ	-	0.0	18.0	-	PINK	0.0	-	87	A67_1102
34	-	-	AA13WJ	-	0.0	18.0	-	PINK	0.0	-	-	-
35	-	-	AA14AFJ	-	0.0	16.0	-	RED	0.0	-	30	A67_1103
36	-	-	AA97AFJ	-	0.0	16.0	-	RED	0.0	-	85	A67_1102
36	-	-	AA97AGJ	-	0.0	16.0	-	VIOLET	0.0	-	85	A67_1103
37	-	-	AA13XJ	-	0.0	18.0	-	PINK	0.0	-	86	A67_1103
38	-	-	AA13YJ	-	0.0	16.0	-	PINK	0.0	-	87	A67_1103
43	-	-	AA82D	-	0.0	16.0	-	GREY	0.0	-	PIN1	-
44	-	-	AA82J	-	0.0	16.0	-	GREY	0.0	-	R2-87A	A67_1011
45	-	-	AA82K	-	0.0	16.0	-	GREY	0.0	-	R5-87	A67_1011
46	-	-	AA82L	-	0.0	16.0	-	GREY	0.0	-	R5-87A	A67_1011
49	-	-	AD97CB	-	0.0	18.0	-	VIOLET	0.0	-	X	-

Connector NameA67_1703M

Part Number3595625C1

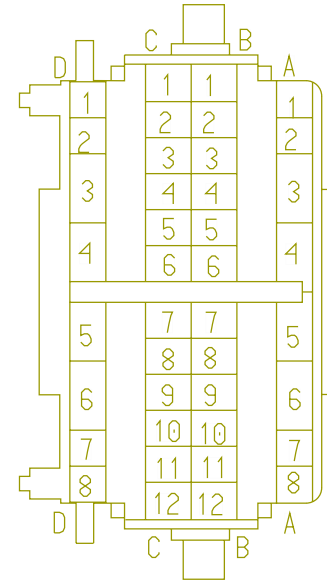
InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesA67_1703F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AA23M	-	0.0	12.0	-	RED	0.0	-	-	-
9	-	-	AA10VA	-	0.0	18.0	-	RED	0.0	-	-	-
38	-	-	AA13YJ	-	0.0	16.0	-	PINK	0.0	-	87	A67_1103

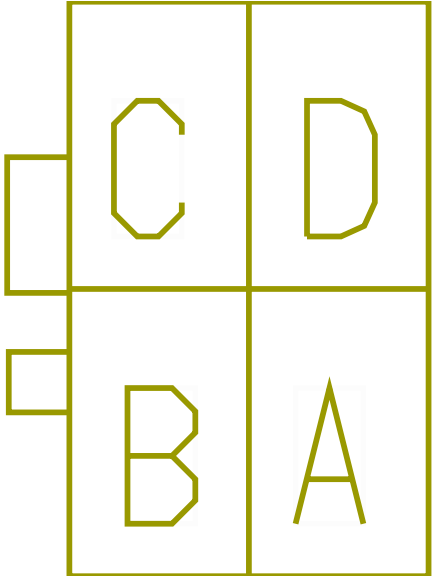
Connector Name A67_1800
Part Number 3553649C1
Instances Compressed Air Supply (Primary & Secondary Gauge) (Dual Air Brake System):Diagram1
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O Fender Lights:Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Stability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1
Windshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1
Windshield Washer Pump W/O Low Fluid Sensor:Diagram1
Windshield Wipers:Diagram1
Mates B03_1800F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A1	-	-	AA56F	-	0.0	20.0	-	ORANGE	0.0	-	A7	A67_1600
A2	-	-	AA57F	-	0.0	20.0	-	ORANGE	0.0	-	A6	A67_1600
A3	-	-	AD87-GA	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
A4	-	-	KA9C	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	PIN1	-
A4	-	-	KA9C	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	X	-
A4	-	-	KA9C	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
A5	-	-	HJ87A	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
A7	-	-	AA52D	-	0.0	20.0	-	YELLOW 2	0.0	-	A4	A67_1600
A8	-	-	AA102A	-	0.0	18.0	-	YELLOW 2	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B1	-	-	AA82C	-	0.0	20.0	-	GREY	0.0	-	A11	A67_1600
B2	-	-	NK40A	-	0.0	20.0	-	GREY	0.0	-	B3	A67_1600
B3	-	-	NK6	-	0.0	18.0	-	GREY	0.0	-	E4	A67_1602
C1	-	-	AA82B	-	0.0	18.0	-	GREY	0.0	-	-	-
C3	-	-	XH94SV	-	0.0	18.0	-	GREY	0.0	-	4	A67_1403
C9	-	-	AA82A	-	0.0	20.0	-	GREY	0.0	-	11	B03_1810
C10	-	-	XH94SZ	-	0.0	18.0	-	GREY	0.0	-	1	A67_1403
C12	-	-	NK40	-	0.0	20.0	-	GREY	0.0	-	B2	A67_1600
D5	-	-	XL94SE	-	0.0	18.0	-	GREY	0.0	-	2	A67_1403
D6	-	-	XL94SF	-	0.0	18.0	-	GREY	0.0	-	5	A67_1403

Connector Name A67_1820M
Part Number 1667305C1
Instances Stability Control (Bendix, Straight Truck, J1939 Driven
 Lamp):Diagram1
Mates B03_1820F



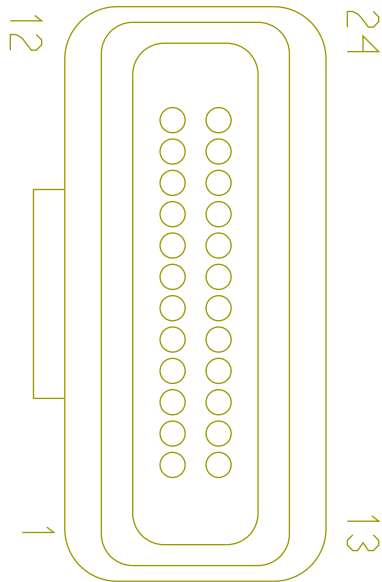
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	XL94SAB	-	0.0	18.0	-	GREY	0.0	-	-	-
B	-	-	XL94SBB	-	0.0	18.0	-	GREY	0.0	-	-	-
C	-	-	XL94SCB	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	-	-
D	-	-	XL94SDB	-	0.0	18.0	-	GREY	0.0	-	-	-

Connector NameA67_1852

Part Number3599009C1

InstancesPowertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)

MatesDEV-PUSH_BUTTON_SHIFTER-03



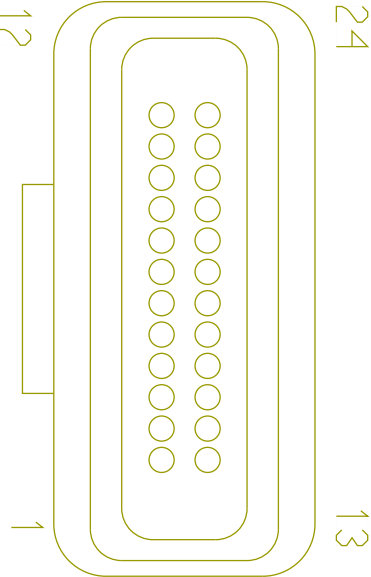
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE775580	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	WIRE775581	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameA67_1852

Part Number3599009C1

InstancesDrive Mode Selector I/O (W/VCU):Diagram1

MatesDEV-PUSH_BUTTON_SHIFTER-03



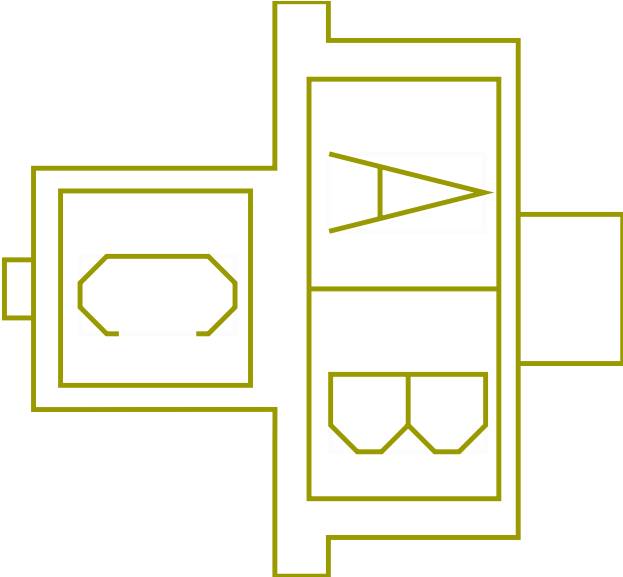
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	UL92AB	-	0.0	18.0	-	TAN	0.0	-	20	1703M
5	-	-	UL62Z	-	0.0	18.0	-	DARK BLUE	0.0	-	-	-
9	-	-	UL92-GAH	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	715.0	-	-	-
17	-	-	UL92#163	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	2435.0	-	-	-
21	-	-	UL92BT	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	2195.0	-	-	-

Connector NameA67_1901A

Part Number4094648C1

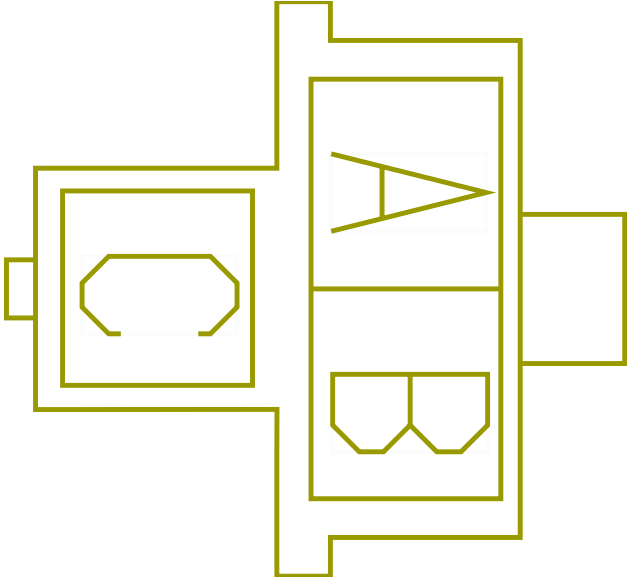
InstancesForward Auxiliary Power Source (1 APO)(Option 1):Diagram1 - 1901A
Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1901A & 1903B
Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1903 & 1901A
Forward Auxiliary Power Source (3 APO)(Option 1):Diagram1

MatesDEV-FORWARD_APO-01



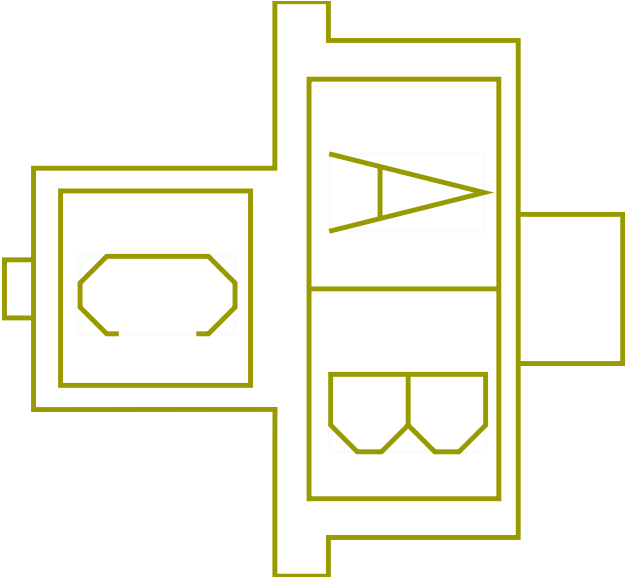
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	JE14UA	3510301 R1	1.91	14.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1465.0	-	-	-
C	-	-	JE11-GUD	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-

Connector Name A67_1903B
Part Number 4094648C1
Instances Forward Auxiliary Power Source (1 APO)(Option 1):Diagram1 - 1903B
 Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1901A & 1903B
 Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1903 & 1903B
 Forward Auxiliary Power Source (3 APO)(Option 1):Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	JD86C2	3510301 R1	1.91	14.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1395.0	-	-	-
C	-	-	JD11-GCE	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

Connector Name A67_1903
Part Number 4094648C1
Instances Forward Auxiliary Power Source (1 APO)(Option 1):Diagram1 - 1903
 Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1903 & 1901A
 Forward Auxiliary Power Source (2 APO)(Option 1):Diagram1 - 1903 & 1903B
 Forward Auxiliary Power Source (3 APO)(Option 1):Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	JA84	-	0.0	14.0	-	LIGHT GREEN	0.0	-	-	-
C	-	-	JA11-GAF	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

Connector NameA67_1904

Part Number4198370C1

Instances

Aux Power (USB) - 1 USB A, 1 USB C:Diagram1 - 1904

Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905A

Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905B

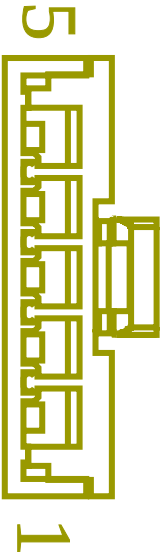
Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905A & 1905B

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905A & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905B & 1905C

MatesDEV-USB1-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	JA11-GUC	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-
2	-	-	JA13UA	-	0.0	20.0	-	PINK	0.0	-	-	-

Connector NameA67_1905A

Part Number4198370C1

Instances

Aux Power (USB) - 1 USB A, 1 USB C:Diagram1 - 1905A

Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905A

Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905A & 1905B

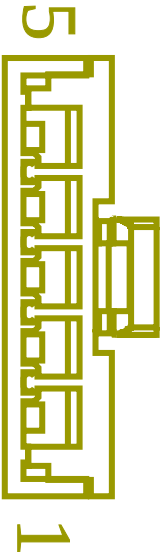
Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905A & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905A & 1905B

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905A & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1905A & 1905B & 1905C

MatesDEV-USB1-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	JE11-GUF	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-
2	-	-	JE13E	-	0.0	20.0	-	PINK	0.0	-	-	-

Connector Name

A67_1905B

Part Number

4198370C1

Instances

Aux Power (USB) - 1 USB A, 1 USB C:Diagram1 - 1905B

Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905B

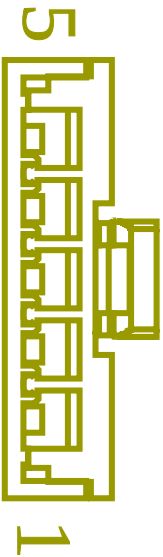
Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905A & 1905B

Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905B & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905A & 1905B

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905B & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1905A & 1905B & 1905C



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	JF11-GUB	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-
2	-	-	JF13UC	-	0.0	20.0	-	PINK	0.0	-	-	-

Connector Name

A67_1905C

Part Number

4198370C1

Instances

Aux Power (USB) - 1 USB A, 1 USB C:Diagram1 - 1905C

Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1904 & 1905C

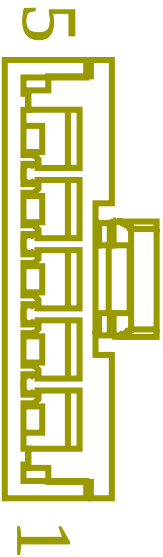
Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905A & 1905C

Aux Power (USB) - 2 USB A, 2 USB C:Diagram1 - 1905B & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905A & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1904 & 1905B & 1905C

Aux Power (USB) - 3 USB A, 3 USB C:Diagram1 - 1905A & 1905B & 1905C



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	JQ11-GU BB	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-
2	-	-	JQ13UCC	-	0.0	20.0	-	PINK	0.0	-	-	-

Connector Name A67_1916
Part Number BLUNT_SL_VC
Instances Aux Power (Blunt Cut):Diagram1
Mates BLNT-IGN_POWER-01

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	LL13C	-	0.0	16.0	-	PINK	0.0	-	-	-

Connector Name A67_1919
Part Number BLUNT_SL_VC
Instances Aux Power (Blunt Cut):Diagram1
Mates BLNT-BTRY_POWER-01

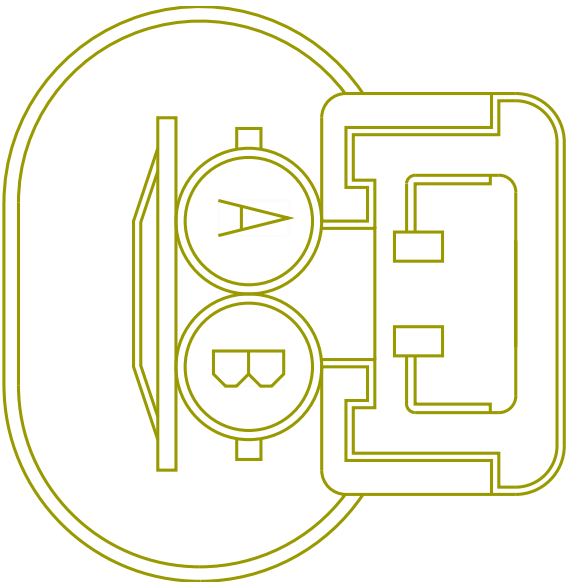
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	LL14G	-	0.0	16.0	-	RED	0.0	-	-	-

Connector NameA67_1939A

Part Number3683465C1

InstancesLow Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)

MatesTERMINATING RESISTOR



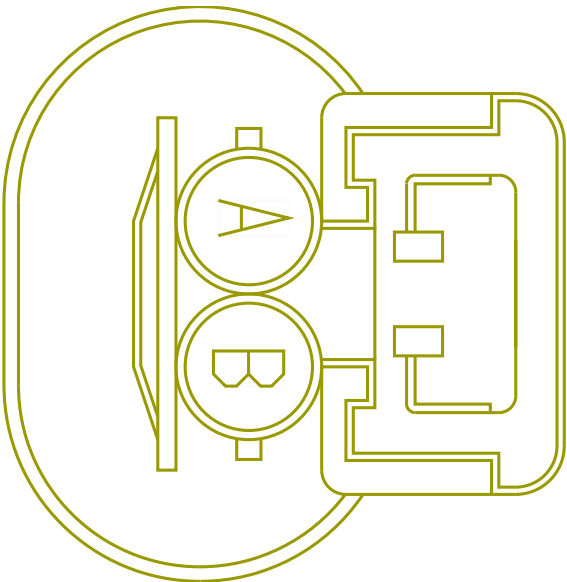
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE1637	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE1638	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameA67_1939B

Part Number3683465C1

InstancesLow Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)

MatesTERMINATING RESISTOR



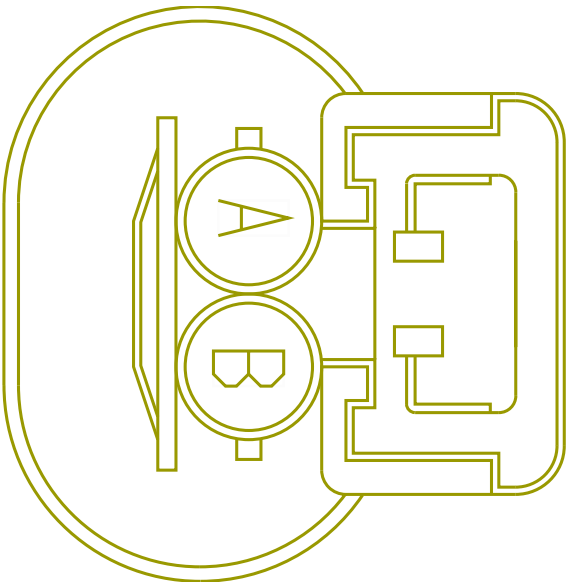
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE1655	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE1656	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameA67_1939C

Part Number3683465C1

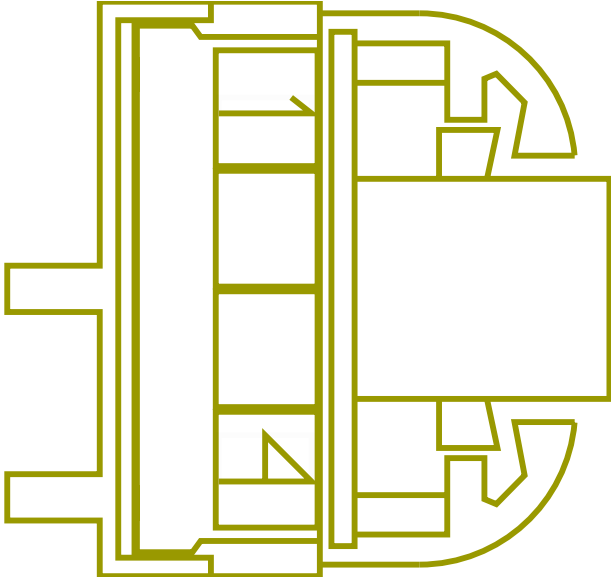
InstancesBody Standard J1939 (250Kbps):Body Standard J1939 (250Kbps)

MatesTerminating Resistor



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE722863	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE720005	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name A67_1971
Part Number 3704144C1
Instances Camera (LYTX Prewire) W/Event Recording Button:Diagram1
Mates SW-VIDEO_CAMERA_CONTROL-01



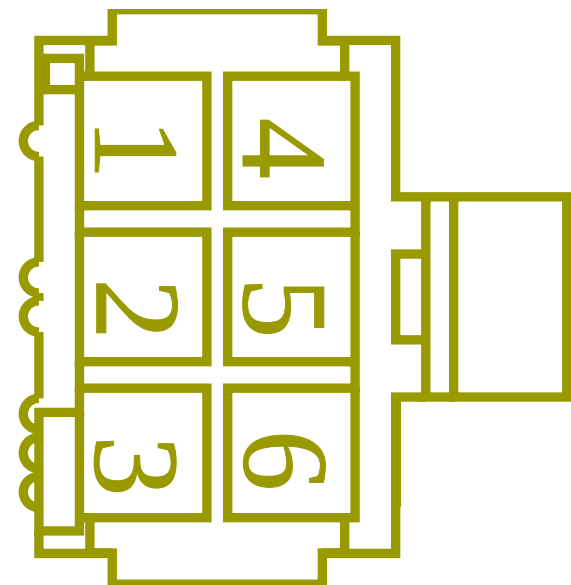
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	LR13DCB	-	0.0	20.0	-	PINK	0.0	-	3	A67_1972
2	-	-	LR12L	-	0.0	20.0	-	LIGHT BLUE	0.0	-	6	A67_1972
3	-	-	LR14DCA	-	0.0	20.0	-	RED	0.0	-	2	A67_1972
4	-	-	LR11-GB AA	-	0.0	20.0	-	WHITE	0.0	-	1	A67_1972

Connector NameA67_1972

Part Number4198359C1

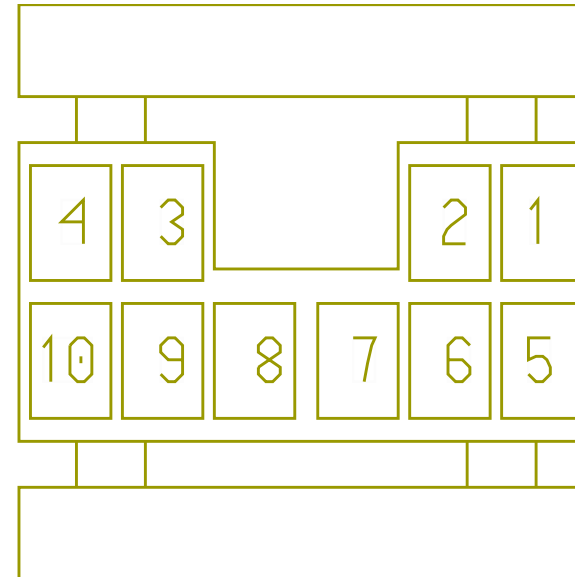
InstancesCamera (LYTX Prewire) W/Event Recording Button:Diagram1

MatesDEV-LYTX_AVM_ADAPTER-01



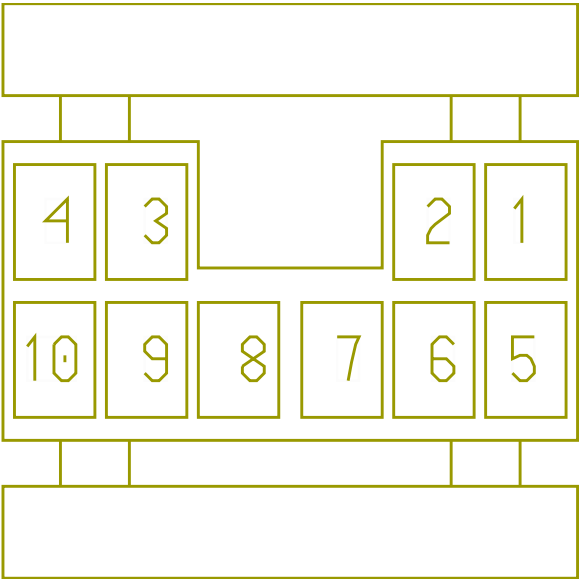
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	LR11-GB AA	-	0.0	20.0	-	WHITE	0.0	-	4	A67_1971
2	-	-	LR14DCA	-	0.0	20.0	-	RED	0.0	-	3	A67_1971
3	-	-	LR13DCB	-	0.0	20.0	-	PINK	0.0	-	1	A67_1971
6	-	-	LR12L	-	0.0	20.0	-	LIGHT BLUE	0.0	-	2	A67_1971

Connector Name A67_2000
Part Number 3544688C1
Instances Cab Dome Light W/Classic Trim (MV, HV, HX):Diagram1
Cab Dome Lights (CA 2.0 Standard Cab/Low Rise
Sleeper):Diagram1
CB Radio Power Only:Diagram1
Clearance and Identification Lights N/SUNSHADE AMBER
LENS:Diagram1
Interior Task Lighting (Map Light) (CA 2.0 Standard Cab/Low
Rise Sleeper):Diagram1
Mates D49_2000F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	YP58T	3510305 R1	0.79	18.0	Thin Wall XLPE Primary Cable	BROWN	0.0	-	-	-
2	-	-	EP86F	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-
3	-	-	AD63-GB	-	0.0	16.0	-	WHITE	0.0	-	X	-
3	-	-	AD63-GB	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
4	-	-	WG63BD	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-
5	-	-	AA63BF	-	0.0	18.0	-	DARK BLUE	0.0	-	-	-

Connector Name A67_2000
Part Number 3544688C1
Instances Over The Air Electrical I/O (OnCommand Link / N2 Module N/
Engine Diagnostic Connector):Diagram1
Mates D49_2000F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
3	-	-	AD63-GB	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-

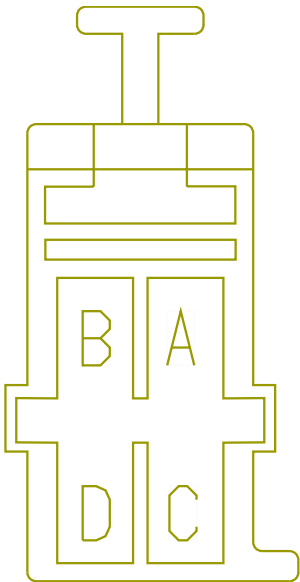
Connector NameA67_2312

Part Number3533975C1

InstancesDoor Ajar Reminder (Entry/Exit) (2 Doors):Diagram1

Speakers:Four Speakers & N/QC:Diagram1

MatesW21_23XX



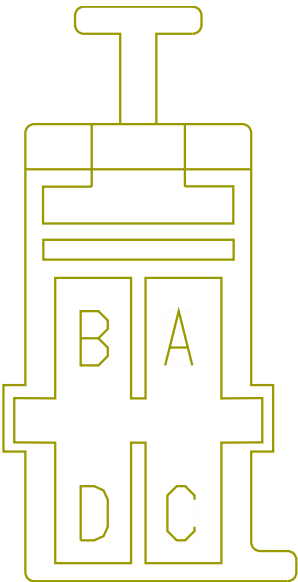
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA63B	-	0.0	16.0	-	DARK BLUE	0.0	-	PIN1	-
B	-	-	AA9BAA	-	0.0	16.0	-	GREY	0.0	-	PIN1	-
C	-	-	SP86BA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	15	A67_1300
D	-	-	SP86CA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	16	A67_1300

Connector NameA67_2313

Part Number3533975C1

InstancesDoor Ajar Reminder (Entry/Exit) (2 Doors):Diagram1
Speakers:Four Speakers & N/QC:Diagram1

MatesW21_23XX



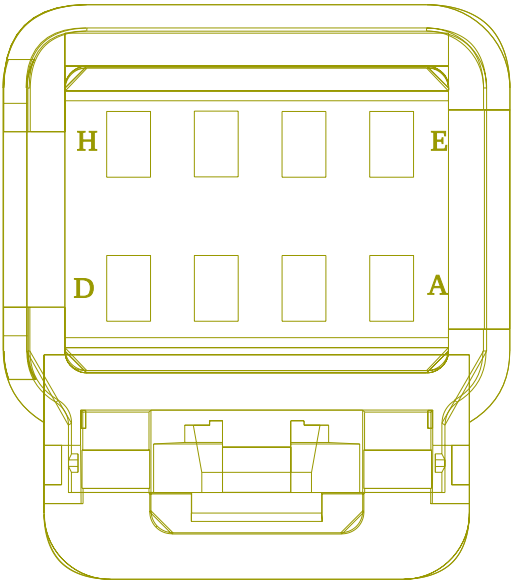
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA63C	-	0.0	16.0	-	DARK BLUE	0.0	-	PIN1	-
B	-	-	AA9BAB	-	0.0	16.0	-	GREY	0.0	-	PIN1	-
C	-	-	SP86DA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	9	A67_1300
D	-	-	SP86EA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	10	A67_1300

Connector NameA67_250M

Part Number4064551C1

InstancesBody Standard J1939 (250Kbps):Body Standard J1939 (250Kbps)
Over The Air Electrical I/O (OnCommand Link / N2 Module N/ Engine Diagnostic Connector):Diagram1

MatesD49_250F



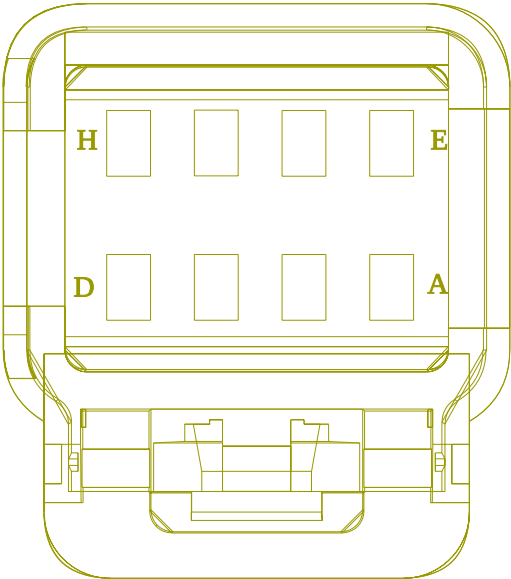
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775 838	-	0.0	-	-	-	0.0	-	F	1024
B	-	-	WIRE775 839	-	0.0	-	-	-	0.0	-	G	1024
C	-	-	EN14KBB	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	2783.0	-	-	-
E	-	-	WIRE775 840	-	0.0	-	-	-	0.0	-	38	A67_1700
F	-	-	WIRE775 841	-	0.0	-	-	-	0.0	-	37	A67_1700

Connector NameA67_250M

Part Number4064551C1

InstancesAntenna (Shark Fin, AM/FM/WB only):Diagram1
Antenna (Shark Fin, Day Cab, OTAPM, AM/FM, XM
Radio):Diagram1

MatesD49_250F



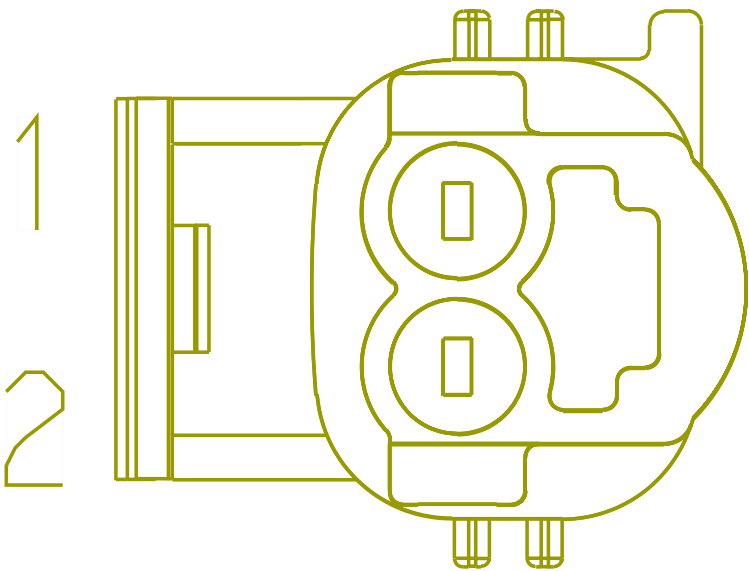
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
D	-	-	EP86AK	-	0.0	18.0	-	LIGHT GREEN	0.0	-	PIN1	-

Connector NameA67_2505

Part Number3811207C1

InstancesCab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Radio W/ Bluetooth:Diagram1
Radio W/ Bluetooth & W/ Steering Wheel Pod:Diagram1

MatesD80_2505M



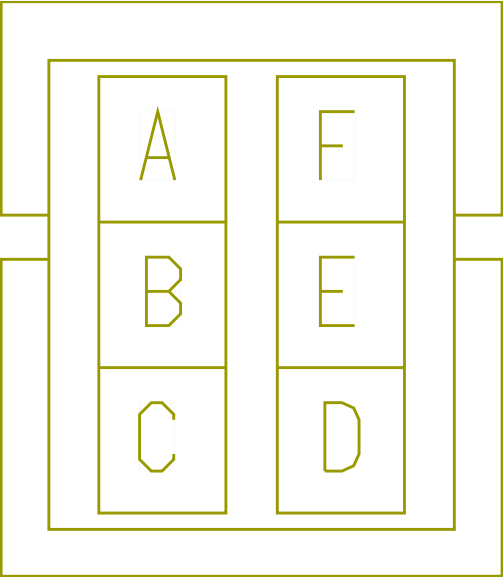
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	SR86A(-)	-	0.0	20.0	-	LIGHT GREEN	0.0	-	16	A67_1301
1	-	-	WIRE775 900	-	0.0	-	-	-	0.0	-	16	A67_1301
2	-	-	SR86A(+)	-	0.0	20.0	-	LIGHT GREEN	0.0	-	15	A67_1301
2	-	-	WIRE775 901	-	0.0	-	-	-	0.0	-	15	A67_1301

Connector NameA67_3000F

Part Number1661201C1

InstancesMirror Lighting (Turns N/ Door Pods):Diagram1
Mirror Lighting (Turns W/ Door Pods):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1

MatesE01_3000M



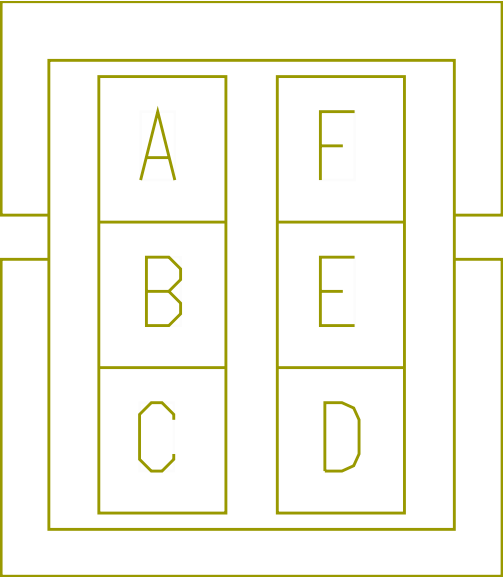
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AAE56D	-	0.0	18.0	-	ORANGE	0.0	-	PIN1	-
B	-	-	RF78RJ	-	0.0	16.0	-	LIGHT GREEN	0.0	-	PIN1	-

Connector NameA67_3100F

Part Number1661201C1

InstancesMirror Lighting (Turns N/ Door Pods):Diagram1
Mirror Lighting (Turns W/ Door Pods):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1

MatesE01_3000M



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AAA57D	-	0.0	18.0	-	ORANGE	0.0	-	PIN1	-
B	-	-	RF78B	-	0.0	16.0	-	LIGHT GREEN	0.0	-	PIN1	-

Connector NameA67_3200M

Part Number1661200C1

InstancesLow Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)

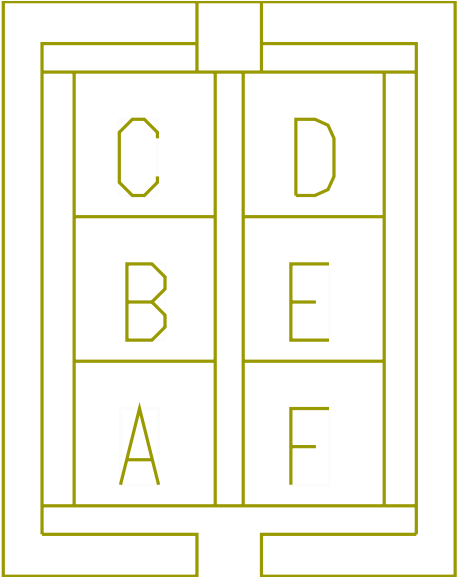
Mirror Lighting (Turns N/ Door Pods):Diagram1

Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left

Side Only):Diagram1

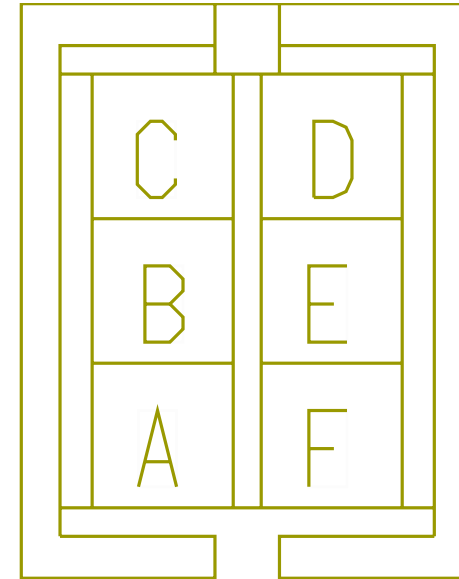
Power Door Locks (2-Door):Diagram1

MatesE01_3200F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE1644	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE1643	-	0.0	-	-	-	0.0	-	PIN1	-
C	-	-	RC81B	-	0.0	12.0	-	RED	0.0	-	-	-
D	-	-	RF78-GA	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector Name A67_3204M
Part Number 1661200C1
Instances Low Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)
Mirror Lighting (Turns N/ Door Pods):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left
Side Only):Diagram1
Power Door Locks (2-Door):Diagram1
Remote Keyless Access:Diagram1
Mates E01_3200F



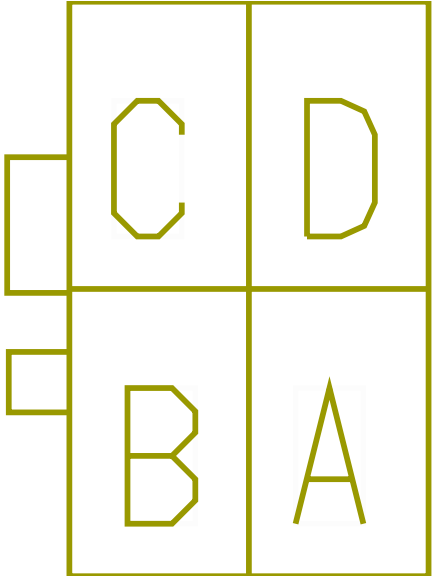
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE1654	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE1653	-	0.0	-	-	-	0.0	-	PIN1	-
C	-	-	RC81A	3510302 R1	3.01	12.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3045.0	-	-	-
D	-	-	RF78-GB	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameA67_3205M

Part Number1667305C1

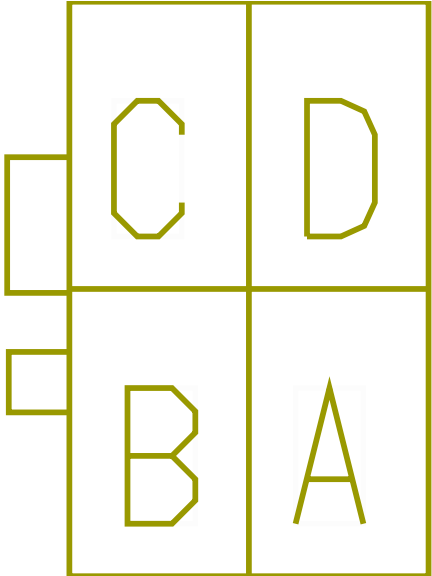
InstancesCourtesy Step Lighting (2 Door):Diagram1
Speakers:Four Speakers & N/QC:Diagram1

MatesE01_3205F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WG63BB	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-
B	-	-	AD11-GW	-	0.0	18.0	-	WHITE	0.0	-	X	-
C	-	-	SQ86H	-	0.0	18.0	-	LIGHT GREEN	0.0	-	13	A67_1300
D	-	-	SQ86J	-	0.0	18.0	-	LIGHT GREEN	0.0	-	14	A67_1300

Connector Name A67_3206M
Part Number 1667305C1
Instances Courtesy Step Lighting (2 Door):Diagram1
 Speakers:Four Speakers & N/QC:Diagram1
Mates E01_3205F

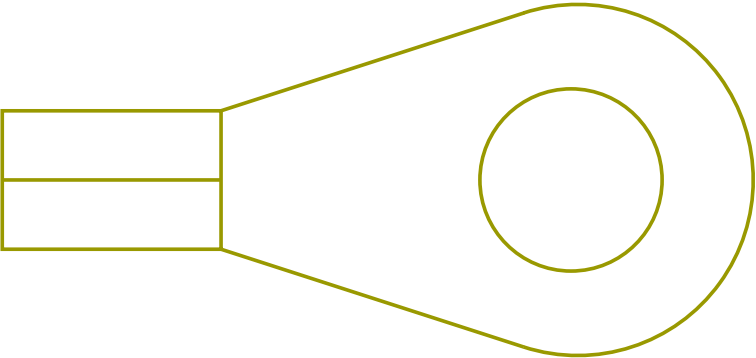


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WG63BC	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-
B	-	-	AD11-GKB	-	0.0	18.0	-	WHITE	0.0	-	X	-
C	-	-	SQ86K	-	0.0	18.0	-	LIGHT GREEN	0.0	-	11	A67_1300
D	-	-	SQ86L	-	0.0	18.0	-	LIGHT GREEN	0.0	-	12	A67_1300

Connector NameA67_4081

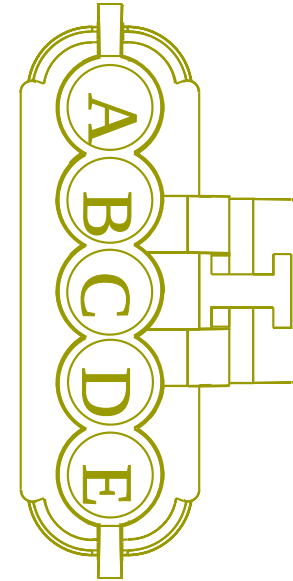
Part Number3581768C1

InstancesAntilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1
Interior Dual Post Ground Stud-Cowl Wall:Diagram1



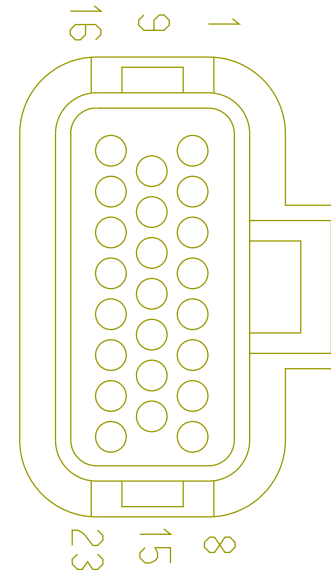
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	XA94-GA	3510362 R1	3.01	12.0	Thin Wall XLPE Primary Cable	WHITE	0.0	-	1	A67_1400
A	-	-	XA94-GA	3510362 R1	3.01	12.0	Thin Wall XLPE Primary Cable	WHITE	0.0	-	-	-

Connector Name A67_4500
Part Number 1661375C2
Instances Windshield Wipers:Diagram1
Mates DEV-MOTOR_WIPER-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA82DJ	-	0.0	16.0	-	GREY	0.0	-	43	A67_170 3F
B	-	-	AA82JJ	-	0.0	16.0	-	GREY	0.0	-	44	A67_170 3F
C	-	-	AA82-GJ	-	0.0	16.0	-	WHITE	0.0	-	49	A67_170 3F
D	-	-	AA82KJ	-	0.0	16.0	-	GREY	0.0	-	45	A67_170 3F
E	-	-	AA82LJ	-	0.0	16.0	-	GREY	0.0	-	46	A67_170 3F

Connector Name A67_6042
Part Number 3677559C1
Instances eVehicle Charging (W/VCU) Onboard Charging
 Modules:Diagram1
Mates DEV-OBC2_TOP-01



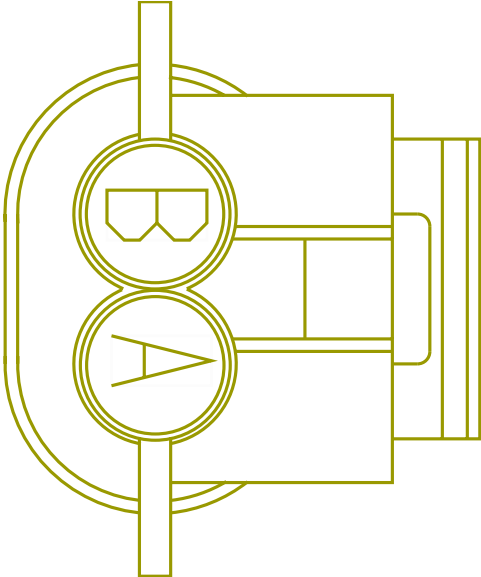
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
4	-	-	K13N	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
7	-	-	K13S	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
8	-	-	K11M	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
11	-	-	K98D	-	0.0	18.0	-	BLACK	0.0	-	12	A67_6042
12	-	-	K98D	-	0.0	18.0	-	BLACK	0.0	-	11	A67_6042
13	-	-	K11J	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
14	-	-	K11K	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
15	-	-	K11L	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-

Connector NameA67_6202

Part Number3590299C1

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC

MatesDEV-LOW_PRESSURE_SWITCH-01



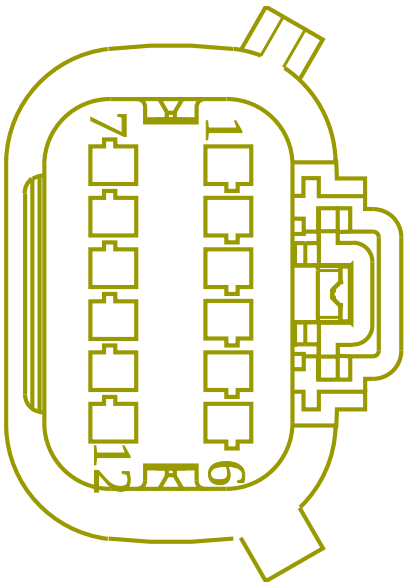
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	TC9AE	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1350.0	-	48	1703F
B	-	-	TB74J	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1675.0	-	47	1703F

Connector NameA67_6500

Part Number4276424C1

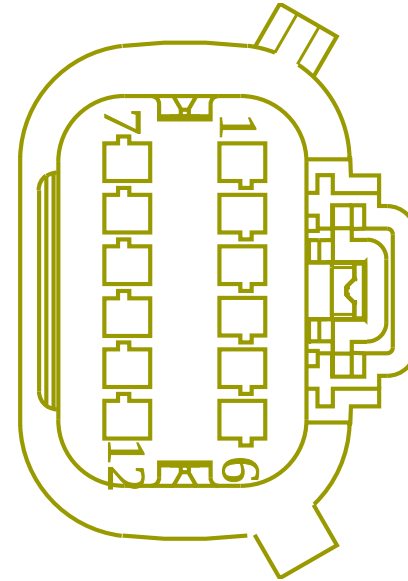
InstancesPowertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)

MatesDEV-SOUND_GENERATOR-01



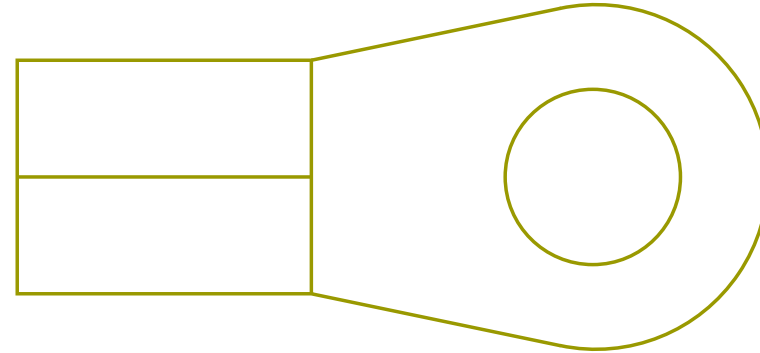
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE775 529	-	0.0	-	-	-	0.0	-	X	-
7	-	-	WIRE775 558	-	0.0	-	-	-	0.0	-	X	-

Connector Name A67_6500
Part Number 4276424C1
Instances Vehicle Sound Generator:Diagram1
Mates DEV-SOUND_GENERATOR-01



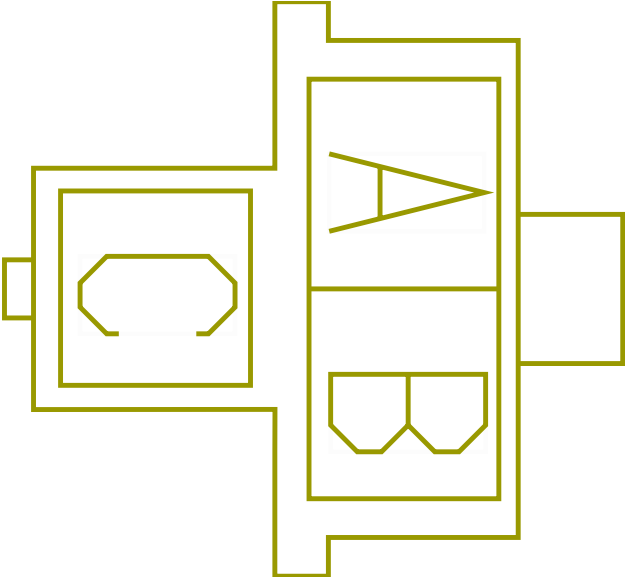
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	AA86B	-	0.0	18.0	-	WHITE	0.0	-	25	A67_1700
4	-	-	AA86D	-	0.0	18.0	-	WHITE	0.0	-	31	A67_1701
6	-	-	AA11GA	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
7	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	AA86AX	-	0.0	18.0	-	LIGHT GREEN	0.0	-	24	A67_1700
10	-	-	AA86C	-	0.0	18.0	-	LIGHT GREEN	0.0	-	30	A67_1701
12	-	-	AA14A	-	0.0	18.0	-	PINK	0.0	-	-	-

Connector Name	A73_1004
Part Number	2015884C1
Instances	Aux Power (USB) - 1 USB A, 1 USB C (Rev 2):Diagram1 - 1904 Aux Power (USB) - 1 USB A, 1 USB C (Rev 2):Diagram1 - 1905 Aux Power (USB) - 1 USB A, 1 USB C (Rev 2):Diagram1 - 1905A Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1904 & 1905 Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1904 & 1905A Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1905 & 1905A Aux Power (USB) - 3 USB A, 3 USB C (Rev 2):Diagram1 - 1904 & 1905A & 1905B Forward Auxiliary Power Source (1 APO)(Option 2):Diagram1 - 1901 Forward Auxiliary Power Source (1 APO)(Option 2):Diagram1 - 1901A Forward Auxiliary Power Source (1 APO)(Option 2):Diagram1 - 1903 Forward Auxiliary Power Source (1 APO)(Option 2):Diagram1 - 1903B Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1901 & 1901A Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1901 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1901A Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1903B Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903B & 1901 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903B & 1901A Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901 & 1901A Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901 & 1903B Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901A & 1903B Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903B & 1901 & 1901A



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	FA11-GAH	-	0.0	10.0	-	WHITE	0.0	-	PIN1	-

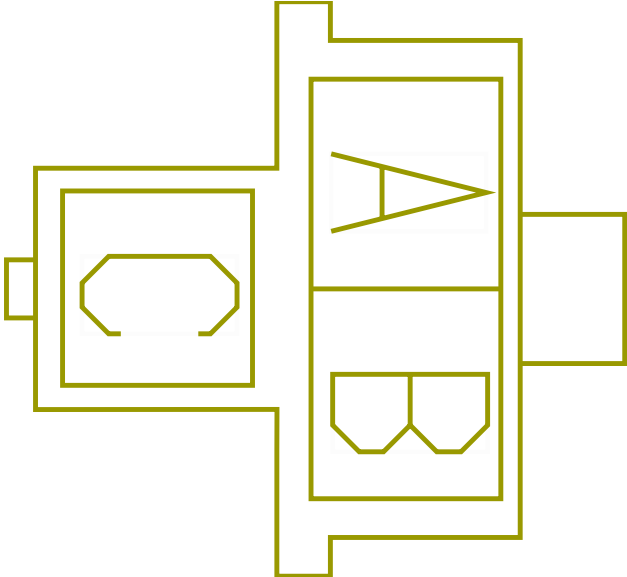
Connector Name A73_1901A
Part Number 4094648C1
Instances Forward Auxiliary Power Source (1 APO)(Option 2):Diagram1 - 1901A
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1901 & 1901A
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1901A
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903B & 1901A
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901 & 1901A
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901A & 1903B
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903B & 1901 & 1901A



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	JK14UA	-	0.0	14.0	-	LIGHT GREEN	0.0	-	-	-
C	-	-	JK11-GUD	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-

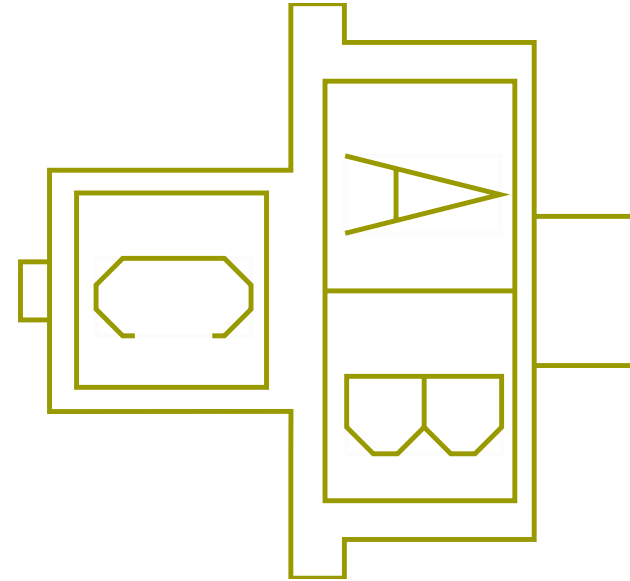
Connector Name A73_1901
Part Number 4094648C1
Instances Forward Auxiliary Power Source (1 APO)(Option 2):Diagram1 - 1901
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1901 & 1901A
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1901
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903B & 1901
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901 & 1901A
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901 & 1903B
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903B & 1901 & 1901A

Mates DEV-FORWARD_APO-01



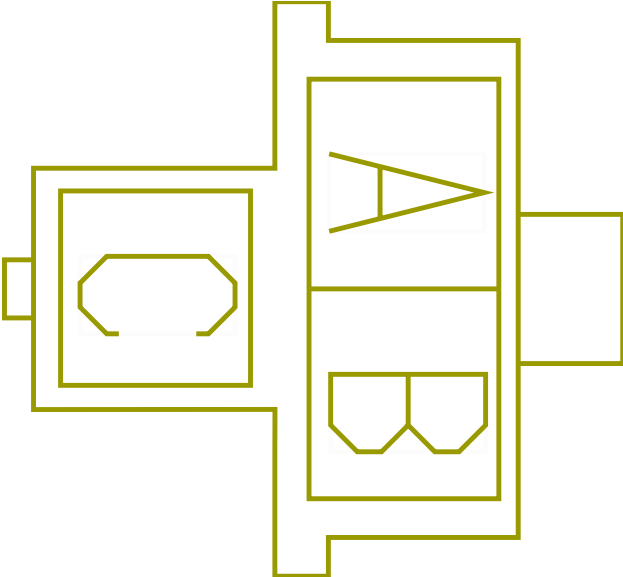
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	JH84C	-	0.0	14.0	-	LIGHT GREEN	0.0	-	-	-
C	-	-	JJ11-GAC	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

Connector Name A73_1903B
Part Number 4094648C1
Instances Forward Auxiliary Power Source (1 APO)(Option 2):Diagram1 - 1903B
Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1903B
Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903B & 1901
Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903B & 1901A
Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901 & 1903B
Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901A & 1903B
Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903B & 1901 & 1901A



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	JD86C2	3510301 R1	1.91	14.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1395.0	-	-	-
C	-	-	JD11-GCE	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

Connector Name A73_1903
Part Number 4094648C1
Instances Forward Auxiliary Power Source (1 APO)(Option 2):Diagram1 - 1903
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1901
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1901A
 Forward Auxiliary Power Source (2 APO)(Option 2):Diagram1 - 1903 & 1903B
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901 & 1901A
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901 & 1903B
 Forward Auxiliary Power Source (3 APO)(Option 2):Diagram1 - 1903 & 1901A & 1903B



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	JA84	-	0.0	14.0	-	LIGHT GREEN	0.0	-	-	-
C	-	-	JA11-GAF	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

Connector Name

A73_1904

Part Number

4198370C1

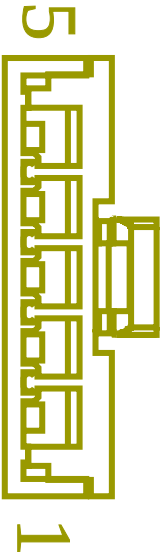
Instances

Aux Power (USB) - 1 USB A, 1 USB C (Rev 2):Diagram1 - 1904

Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1904 & 1905

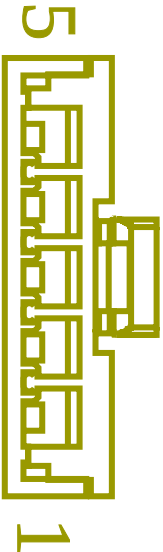
Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1904 & 1905A

Aux Power (USB) - 3 USB A, 3 USB C (Rev 2):Diagram1 - 1904 & 1905A & 1905B



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	JA11-GUC	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-
2	-	-	JA13UA	-	0.0	20.0	-	PINK	0.0	-	-	-

Connector Name A73_1905A
Part Number 4198370C1
Instances Aux Power (USB) - 1 USB A, 1 USB C (Rev 2):Diagram1 - 1905A
 Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1904 & 1905A
 Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1905 & 1905A
 Aux Power (USB) - 3 USB A, 3 USB C (Rev 2):Diagram1 - 1904 & 1905A & 1905B



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	JK11-GUB	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-
2	-	-	JK13U	-	0.0	20.0	-	PINK	0.0	-	-	-

Connector NameA73_1905

Part Number4198370C1

Instances

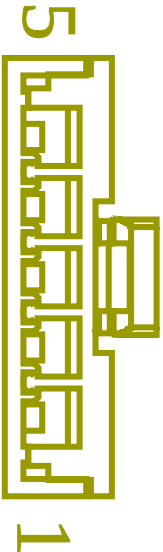
Aux Power (USB) - 1 USB A, 1 USB C (Rev 2):Diagram1 - 1905

Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1904 & 1905

Aux Power (USB) - 2 USB A, 2 USB C (Rev 2):Diagram1 - 1905 & 1905A

Aux Power (USB) - 3 USB A, 3 USB C (Rev 2):Diagram1 - 1904 & 1905A & 1905B

MatesDEV-USB1-01



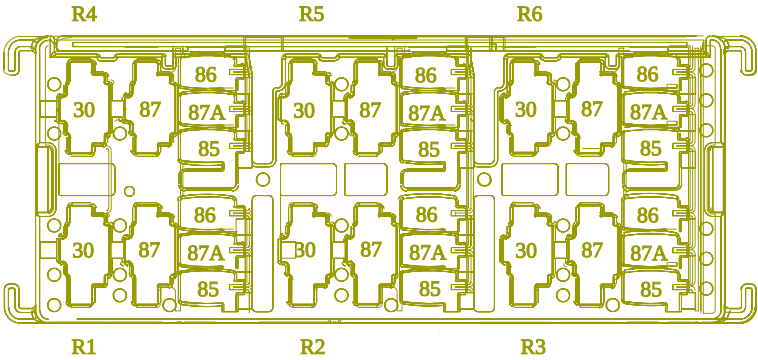
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	JJ11-GUG	-	0.0	20.0	-	WHITE	0.0	-	PIN1	-
2	-	-	JJ13UC	-	0.0	20.0	-	PINK	0.0	-	-	-

Connector NameA74_1011

Part Number3768010C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesRLY-ePOWER-01



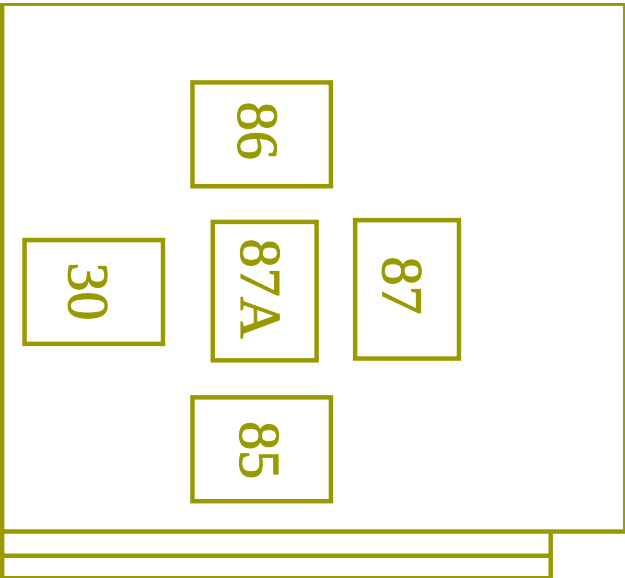
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R6-30	-	-	ER14YJ	-	0.0	18.0	-	RED	0.0	-	-	-
R6-85	-	-	ER11YJ	-	0.0	18.0	-	WHITE	0.0	-	-	-
R6-86	-	-	ER13YJB	-	0.0	16.0	-	PINK	0.0	-	PIN1	-
R6-87	-	-	ER14YJA	-	0.0	18.0	-	RED	0.0	-	39	A74_170 3M

Connector NameA74_1103

Part Number4243370C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesRLY-GLOBAL_SWITCHED_POWER_ B-01



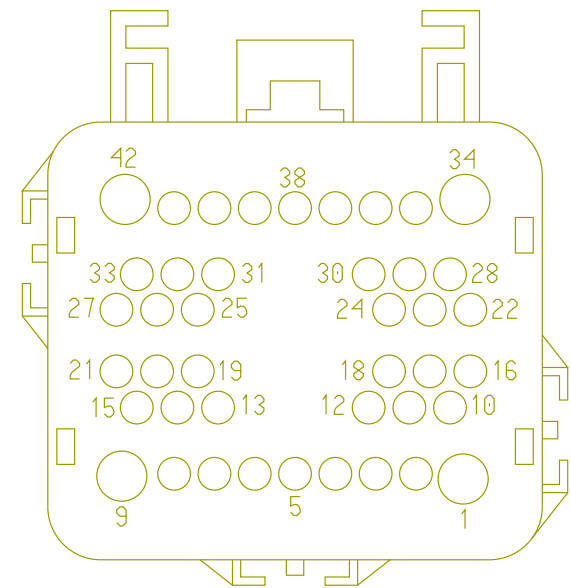
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
87	-	-	AA13YJ	-	0.0	16.0	-	PINK	0.0	-	PIN1	-

Connector NameA74_1702

Part Number3595621C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesK11_1702



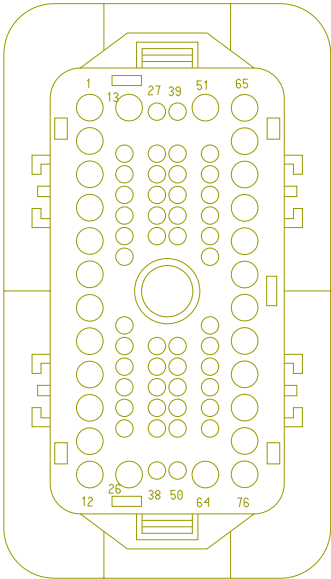
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	A74_170 3F
39	-	-	ER14YJB	-	0.0	18.0	-	RED	0.0	-	39	A74_170 3F

Connector NameA74_1703F

Part Number3595624C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesA74_1703M



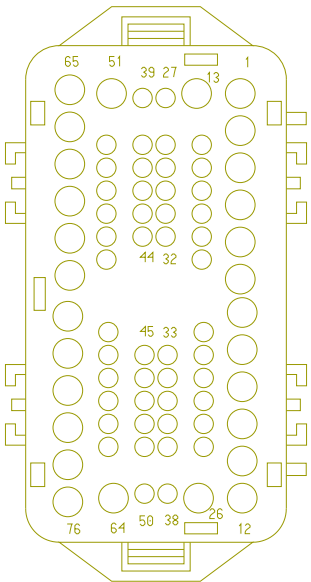
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	A74_1702
39	-	-	ER14YJB	-	0.0	18.0	-	RED	0.0	-	39	A74_1702

Connector NameA74_1703M

Part Number3595625C1

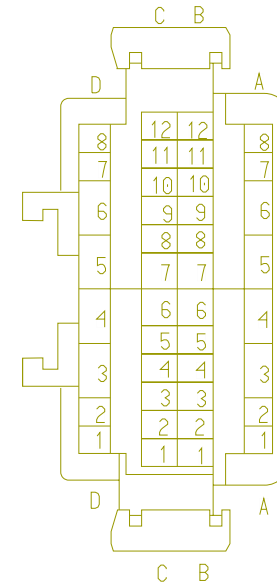
InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesA74_1703F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
38	-	-	AA13YJA	-	0.0	16.0	-	PINK	0.0	-	PIN1	-
39	-	-	ER14YJA	-	0.0	18.0	-	RED	0.0	-	R6-87	A74_1011

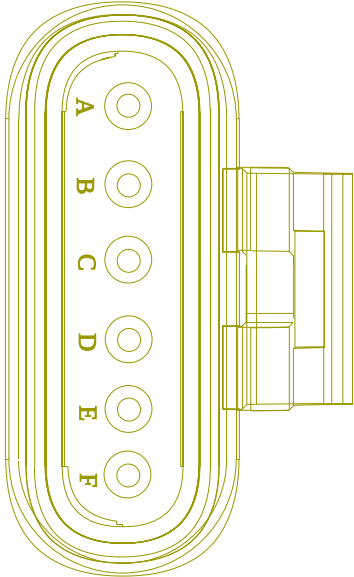
Connector Name B03_1800F
Part Number 3612512C1
Instances Compressed Air Supply (Primary & Secondary Gauge) (Dual Air Brake System):Diagram1
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O Fender Lights:Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Stability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1
Windshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1
Windshield Washer Pump W/O Low Fluid Sensor:Diagram1
Windshield Wipers:Diagram1
Mates A67_1800



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A1	-	-	AA56A	-	0.0	18.0	-	ORANGE	0.0	-	1	B03_1810
A2	-	-	AA57A	-	0.0	18.0	-	ORANGE	0.0	-	2	B03_1810
A3	-	-	AC11-GAA	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
A4	-	-	AC9V	-	0.0	18.0	-	GREY	0.0	-	X	-
A4	-	-	AC9V	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
A5	-	-	AA87A	-	0.0	18.0	-	GREY	0.0	-	12	B03_1810
A7	-	-	AA52A	-	0.0	18.0	-	YELLOW 2	0.0	-	3	B03_1810
A8	-	-	AA102A	-	0.0	18.0	-	YELLOW 2	0.0	-	4	B03_1810
B1	-	-	AA82B	-	0.0	18.0	-	GREY	0.0	-	5	B03_1810
B2	-	-	AB40A	-	0.0	18.0	-	GREY	0.0	-	1	B03_1812
B3	-	-	AB6H	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
C1	-	-	AA82A	-	0.0	20.0	-	GREY	0.0	-	-	-
C3	-	-	AG94SV	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

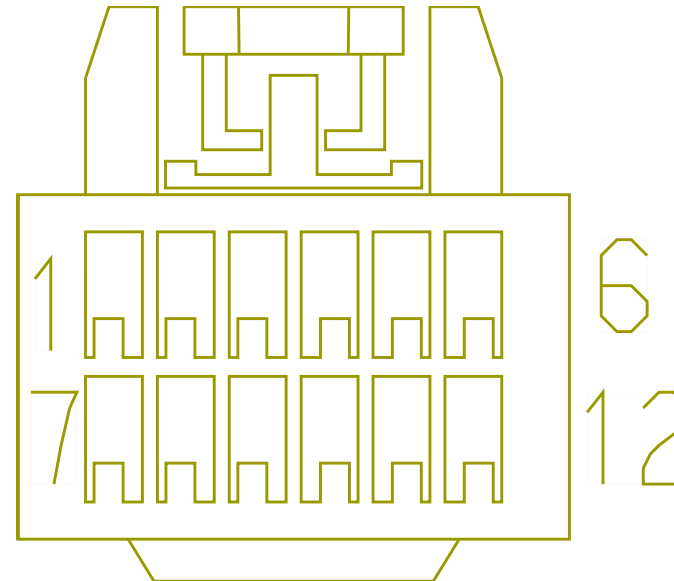
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C9	-	-	AA82	-	0.0	18.0	-	GREY	0.0	-	8	B03_1810
C10	-	-	AG94SZ	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
C12	-	-	AM40	-	0.0	18.0	-	GREY	0.0	-	1	B03_1811
D5	-	-	AG94SE	-	0.0	18.0	-	GREY	0.0	-	1	B03_1826
D6	-	-	AG94SF	-	0.0	18.0	-	GREY	0.0	-	1	B03_1828

Connector Name B03_1801
Part Number 1673744C1
Instances Vehicle Acceleration (Wired to VCU):Diagram1
Mates DEV-ACCEL_PEDAL-01



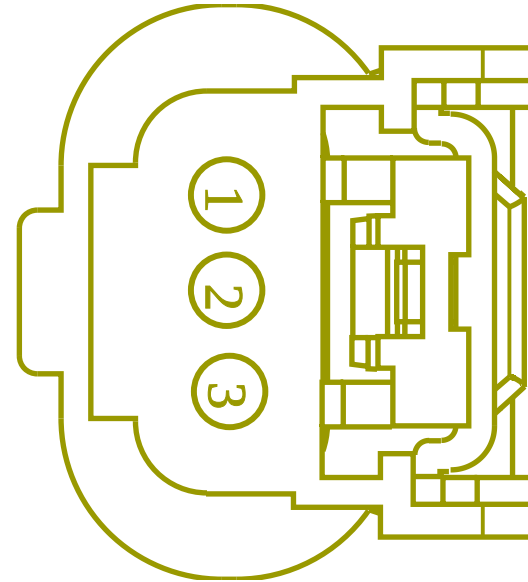
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA99V	-	0.0	18.0	-	VIOLET/ WHITE	0.0	-	C4	1800F
B	-	-	AA99Y	-	0.0	18.0	-	VIOLET	0.0	-	B4	1800F
C	-	-	AA99P	-	0.0	18.0	-	VIOLET/ BLACK	0.0	-	C5	1800F
D	-	-	AA99U	-	0.0	18.0	-	VIOLET/ WHITE	0.0	-	B5	1800F
E	-	-	AA99W	-	0.0	18.0	-	VIOLET	0.0	-	B6	1800F
F	-	-	AA99E	-	0.0	18.0	-	VIOLET/ BLACK	0.0	-	C6	1800F

Connector Name B03_1810
Part Number 3539212C1
Instances Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O
Fender Lights:Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Windshield Washer Pump & Low Fluid Sensor (MV,
CE):Diagram1
Windshield Washer Pump W/O Low Fluid Sensor:Diagram1
Windshield Wipers:Diagram1
Mates DEV-SW_MULTIFUNCTION-01



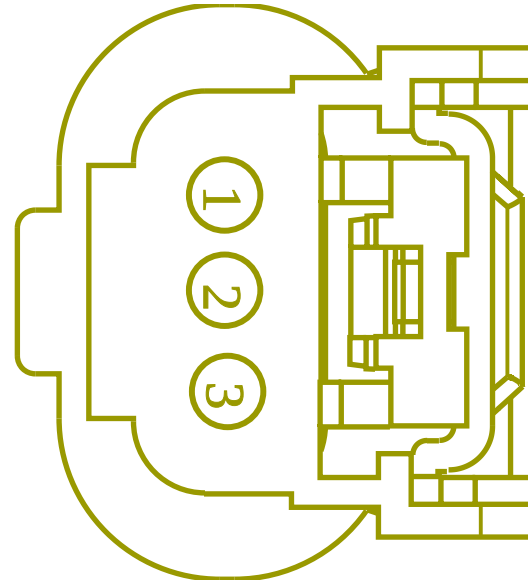
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AA56A	-	0.0	18.0	-	ORANGE	0.0	-	A1	B03_1800F
2	-	-	AA57A	-	0.0	18.0	-	ORANGE	0.0	-	A2	B03_1800F
3	-	-	AA52A	-	0.0	18.0	-	YELLOW 2	0.0	-	A7	B03_1800F
4	-	-	AA102A	-	0.0	18.0	-	YELLOW 2	0.0	-	A8	B03_1800F
5	-	-	AA82B	-	0.0	18.0	-	GREY	0.0	-	B1	B03_1800F
6	-	-	AC87-G	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
7	-	-	AC9S	-	0.0	18.0	-	GREY	0.0	-	X	-
8	-	-	AA82	-	0.0	18.0	-	GREY	0.0	-	C9	B03_1800F
11	-	-	AA82A	-	0.0	20.0	-	GREY	0.0	-	C9	A67_1800
12	-	-	AA87A	-	0.0	18.0	-	GREY	0.0	-	A5	B03_1800F

Connector Name B03_1811
Part Number 4196881C1
Instances Compressed Air Supply (Primary & Secondary Gauge) (Dual Air Brake System):Diagram1
Compressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1
Mates DEV-AIR_PRESSURE_PRIMARY_S NSR-02



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	AM40	-	0.0	18.0	-	GREY	0.0	-	C12	1800F
1	-	-	AM40	-	0.0	18.0	-	GREY	0.0	-	C12	B03_1800F
2	-	-	AC9VC	-	0.0	18.0	-	GREY	0.0	-	X	-
2	-	-	AC9VC	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
3	-	-	AM6HB	-	0.0	18.0	-	GREY	0.0	-	X	-
3	-	-	AM6HB	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

Connector Name B03_1812
Part Number 4196881C1
Instances Compressed Air Supply (Primary & Secondary Gauge) (Dual Air Brake System):Diagram1
Compressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1
Mates DEV-AIR_PRESSURE_SECONDARY_SNSR-02



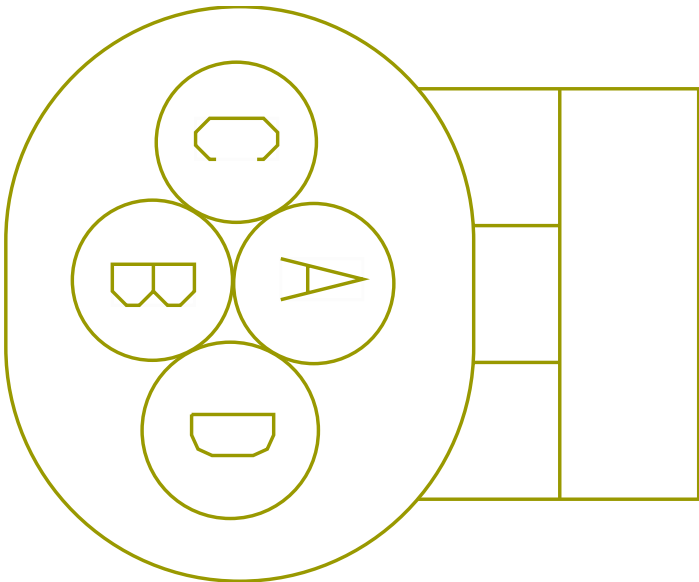
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AB40A	-	0.0	18.0	-	GREY	0.0	-	B2	1800F
1	-	-	AB40A	-	0.0	18.0	-	GREY	0.0	-	B2	B03_1800F
2	-	-	AC9VE	-	0.0	18.0	-	GREY	0.0	-	X	-
2	-	-	AC9VE	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
3	-	-	AB6HA	-	0.0	18.0	-	GREY	0.0	-	X	-
3	-	-	AB6HA	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

Connector NameB03_1813

Part Number1661777C1

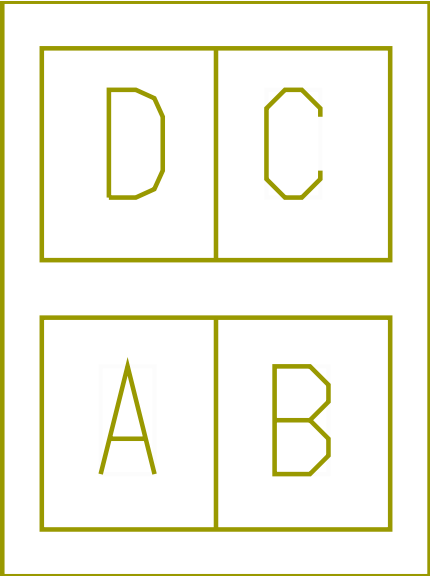
InstancesPark Brake Controls (W/VCU):Diagram1

MatesDEV-PARK_BRAKE_SW-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	AM44BB	-	0.0	18.0	-	GREY	0.0	-	B3	1800F
D	-	-	AC9VD	-	0.0	18.0	-	GREY	0.0	-	X	-

Connector Name B03_1820F
Part Number 1667529C1
Instances Stability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1
Mates A67_1820M



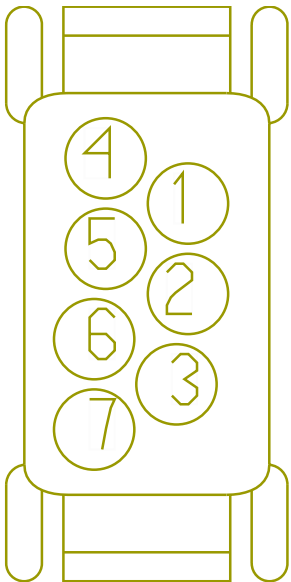
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AG94SA	-	0.0	20.0	-	GREY	0.0	-	2	B03_1821
B	-	-	AG94SB	-	0.0	20.0	-	GREY	0.0	-	3	B03_1821
C	-	-	AG94SC	-	0.0	20.0	-	GREY	0.0	-	1	B03_1821
D	-	-	AG94SD	-	0.0	20.0	-	GREY	0.0	-	4	B03_1821

Connector NameB03_1821

Part Number3601800C1

InstancesStability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1

MatesDEV-STEERING_ANGLE-01



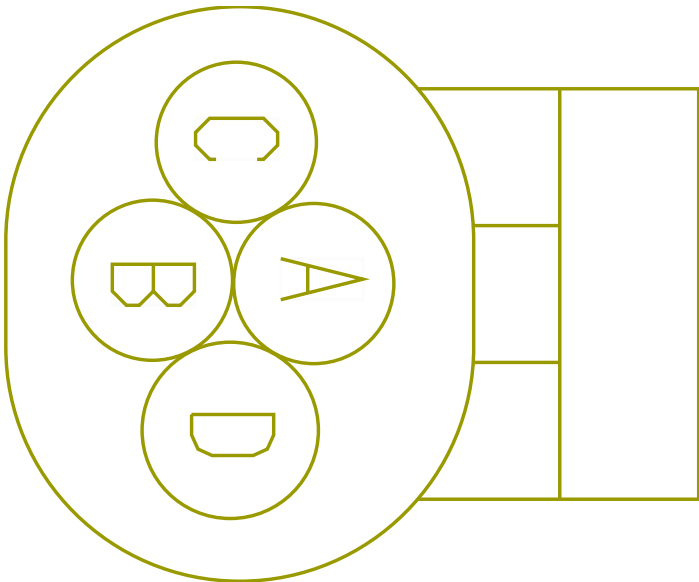
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AG94SC	-	0.0	20.0	-	GREY	0.0	-	C	B03_1820F
2	-	-	AG94SA	-	0.0	20.0	-	GREY	0.0	-	A	B03_1820F
3	-	-	AG94SB	-	0.0	20.0	-	GREY	0.0	-	B	B03_1820F
4	-	-	AG94SD	-	0.0	20.0	-	GREY	0.0	-	D	B03_1820F

Connector NameB03_1823

Part Number1661777C1

InstancesService Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1

MatesDEV-SERVICE_BRAKE-01



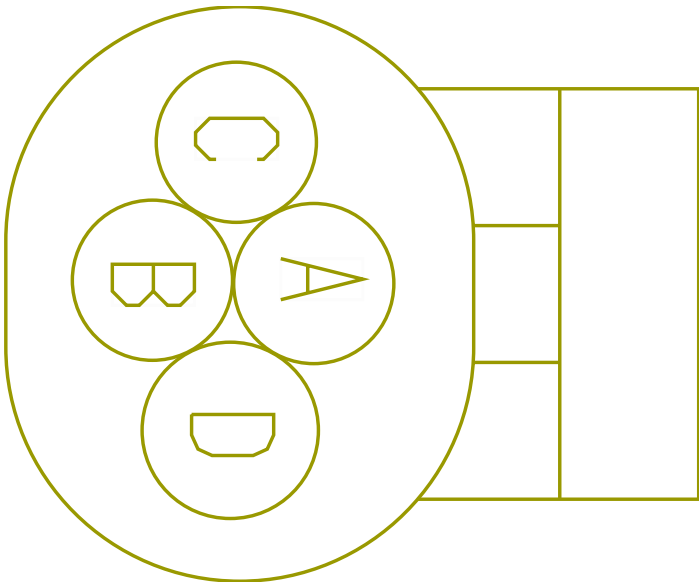
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	AB70A	-	0.0	18.0	-	ORANGE	0.0	-	A6	1800F
D	-	-	AC9VG	-	0.0	18.0	-	GREY	0.0	-	X	-

Connector NameB03_1824

Part Number1661777C1

InstancesService Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1

MatesDEV-SERVICE_BRAKE-02



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	AB70	-	0.0	18.0	-	ORANGE	0.0	-	B9	1800F
D	-	-	AC9VH	-	0.0	18.0	-	GREY	0.0	-	X	-

Connector Name

B03_1826

Part Number

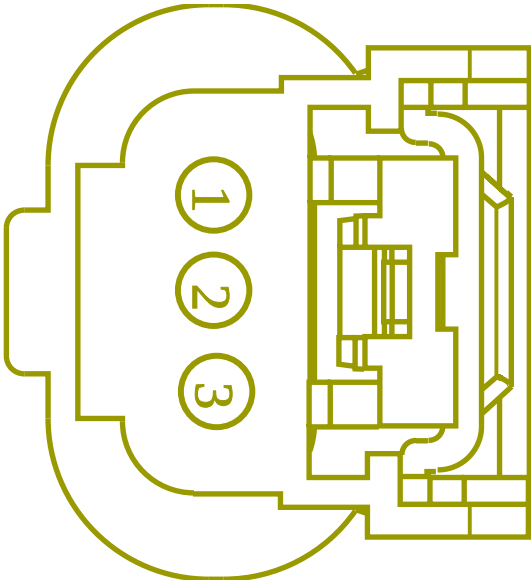
4196881C1

Instances

Stability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1

Mates

DEV-PRIMARY_PT-02



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AG94SE	-	0.0	18.0	-	GREY	0.0	-	D5	B03_1800F
2	-	-	AG94SZA	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
3	-	-	AG94SVA	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

Connector Name

B03_1828

Part Number

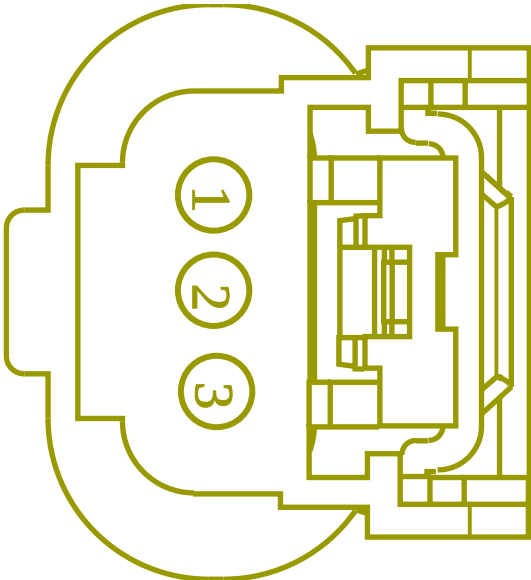
4196881C1

Instances

Stability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1

Mates

DEV-SECONDARY_PT-02



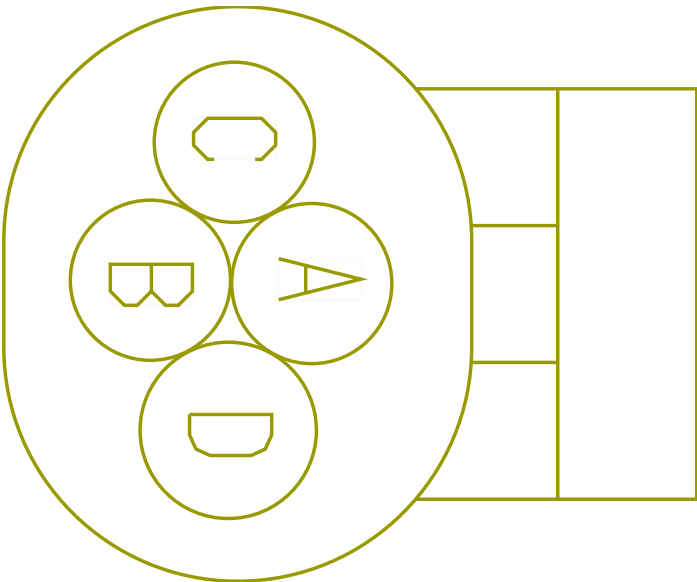
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AG94SF	-	0.0	18.0	-	GREY	0.0	-	D6	B03_1800F
2	-	-	AG94SZB	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
3	-	-	AG94SVB	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

Connector NameB03_1829

Part Number1661777C1

InstancesService Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1

MatesDEV-REDUNDANT_SERVICE_BRAK E-01



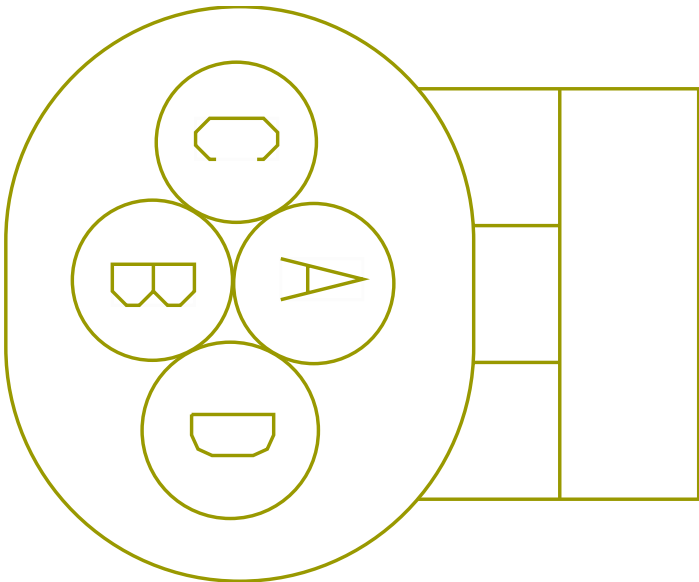
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	AK70BB	-	0.0	18.0	-	GREY	0.0	-	D1	1800F
D	-	-	AK70AA	-	0.0	18.0	-	GREY	0.0	-	X	-

Connector NameB03_1831

Part Number1661777C1

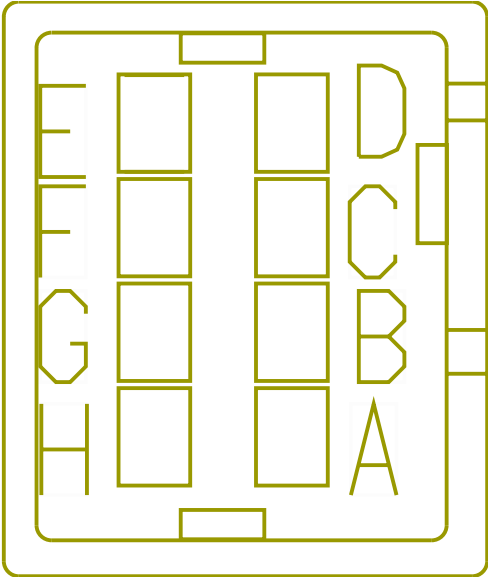
InstancesService Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1

MatesDEV-SECOND_REDUNDANT_SERVICE_BRAKE-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
C	-	-	AK70A	-	0.0	18.0	-	GREY	0.0	-	D4	1800F
D	-	-	AK70AB	-	0.0	18.0	-	GREY	0.0	-	X	-

Connector Name D38_2500F
Part Number 3515763C1
Instances CB Radio Power Only:Diagram1
Mates D43_2500M



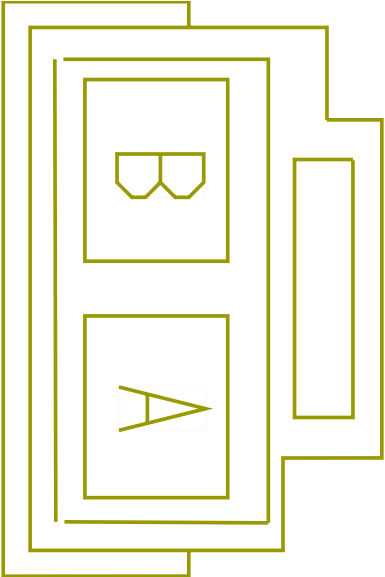
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	D86F	-	0.0	16.0	-	LIGHT GREEN	0.0	-	2	D49_200 0F
B	-	-	D63-GL	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-

Connector Name D43_2303F
Part Number 1661196C1
Instances CB Radio Power Only:Diagram1
Mates D43_2303M



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
A	-	-	C86M	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	D43_2310
B	-	-	CG86-GG	-	0.0	16.0	-	WHITE	0.0	-	A	D43_2311

Connector Name D43_2303M
Part Number 1661197C1
Instances CB Radio Power Only:Diagram1
Mates D43_2303F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	C86F	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	D43_2500M
B	-	-	C86-GF	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-

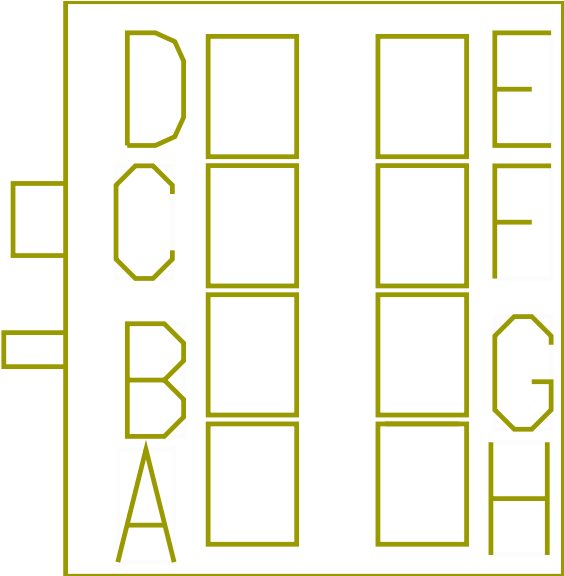
Connector Name D43_2310
Part Number BLUNT_SL_VC
Instances CB Radio Power Only:Diagram1
Mates BLNT-CB+VE-01

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	C86M	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	D43_230 3F

Connector Name D43_2311
Part Number BLUNT_SL_VC
Instances CB Radio Power Only:Diagram1
Mates BLNT-CB-VE-01

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	CG86-GG	-	0.0	16.0	-	WHITE	0.0	-	B	D43_230 3F

Connector Name D43_2500M
Part Number 3515762C1
Instances CB Radio Power Only:Diagram1
Mates D38_2500F



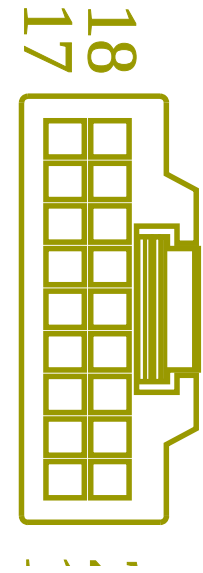
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	C86F	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	D43_230 3M
B	-	-	C63-GL	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-

Connector Name D49_1972
Part Number 4166862C1
Instances Camera (LYTX Prewire) W/Event Recording Button:Diagram2
Mates DEV-LYTX_AVM_ADAPTER-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	ER98C	-	0.0	22.0	-	LIGHT GREEN	0.0	-	3	D49_1980
2	-	-	ER98D	-	0.0	22.0	-	LIGHT BLUE	0.0	-	4	D49_1980
3	-	-	ER98A	-	0.0	22.0	-	TAN	0.0	-	1	D49_1980
4	-	-	ER98B	-	0.0	22.0	-	ORANGE	0.0	-	2	D49_1980
10	-	-	ER124A	-	0.0	22.0	-	BLACK	0.0	-	10	D49_1980
11	-	-	ER124B	-	0.0	22.0	-	BLACK	0.0	-	11	D49_1980
12	-	-	ER124C	-	0.0	22.0	-	BLACK	0.0	-	12	D49_1980
13	-	-	ER124F	-	0.0	22.0	-	GREY	0.0	-	9	D49_1980
14	-	-	ER13E	-	0.0	22.0	-	PINK	0.0	-	1	-
15	-	-	ER14G	-	0.0	22.0	-	RED	0.0	-	PIN1	-
16	-	-	ER14H	-	0.0	22.0	-	RED	0.0	-	PIN1	-
17	-	-	ER11-GLE	-	0.0	22.0	-	WHITE	0.0	-	X	-
18	-	-	ER11-GLF	-	0.0	22.0	-	WHITE	0.0	-	X	-

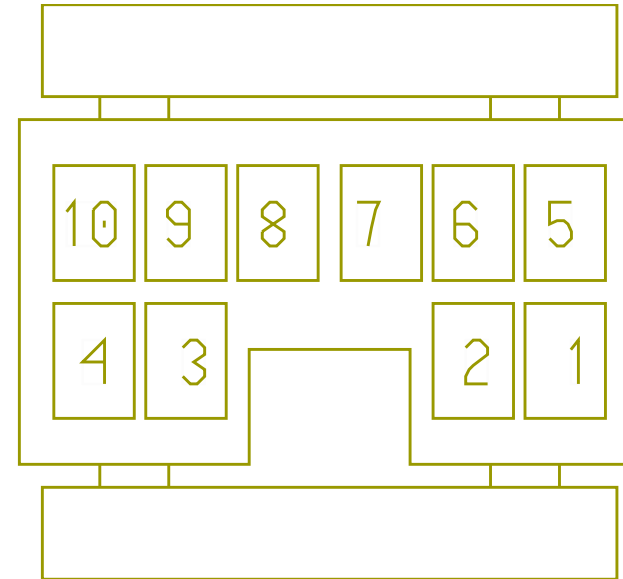
Connector Name D49_1980
Part Number 4166862C1
Instances Camera (LYTX Prewire) W/Event Recording Button:Diagram2
Mates DEV-LYTX_ERSF_PREWIRE-02



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	ER98A	-	0.0	22.0	-	TAN	0.0	-	3	D49_1972
2	-	-	ER98B	-	0.0	22.0	-	ORANGE	0.0	-	4	D49_1972
3	-	-	ER98C	-	0.0	22.0	-	LIGHT GREEN	0.0	-	1	D49_1972
4	-	-	ER98D	-	0.0	22.0	-	LIGHT BLUE	0.0	-	2	D49_1972
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	ER124F	-	0.0	22.0	-	GREY	0.0	-	13	D49_1972
10	-	-	ER124A	-	0.0	22.0	-	BLACK	0.0	-	10	D49_1972
11	-	-	ER124B	-	0.0	22.0	-	BLACK	0.0	-	11	D49_1972
12	-	-	ER124C	-	0.0	22.0	-	BLACK	0.0	-	12	D49_1972
14	-	-	ER13D	-	0.0	22.0	-	PINK	0.0	-	1	-
15	-	-	ER14E	-	0.0	22.0	-	RED	0.0	-	X	-
16	-	-	ER14D	-	0.0	22.0	-	RED	0.0	-	X	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
17	-	-	ER11-GLB	-	0.0	22.0	-	WHITE	0.0	-	X	-
18	-	-	ER11-GLC	-	0.0	22.0	-	WHITE	0.0	-	X	-

Connector Name D49_2000F
Part Number 3544687C1
Instances Cab Dome Light W/Classic Trim (MV, HV, HX):Diagram1
Cab Dome Lights (CA 2.0 Standard Cab/Low Rise
Sleeper):Diagram1
CB Radio Power Only:Diagram1
Clearance and Identification Lights N/SUNSHADE AMBER
LENS:Diagram1
Interior Task Lighting (Map Light) (CA 2.0 Standard Cab/Low
Rise Sleeper):Diagram1
Mates A67_2000



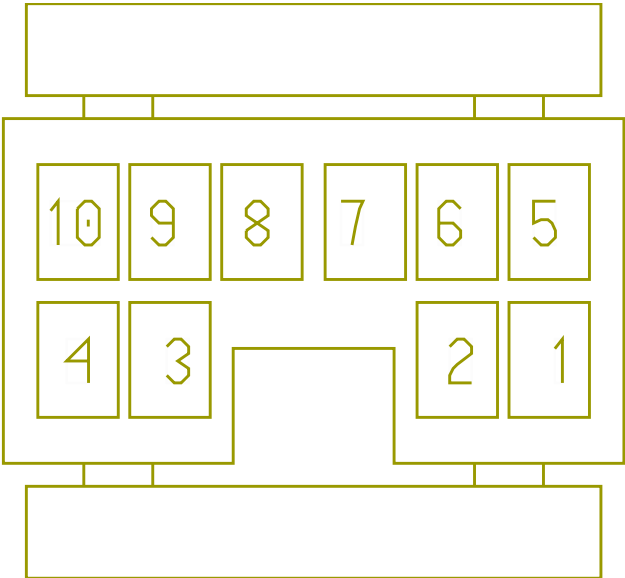
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	EC58T	-	0.0	18.0	-	BROWN	0.0	-	PIN1	-
2	-	-	D86F	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	D38_2500F
3	-	-	EC63-GA	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
3	-	-	D63-GA	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
4	-	-	EG63D	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-
5	-	-	EG63E	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-

Connector NameD49_2000F

Part Number3544687C1

InstancesOver The Air Electrical I/O (OnCommand Link / N2 Module N/Engine Diagnostic Connector):Diagram1

MatesA67_2000



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
3	-	-	EH63-GA	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-

Connector NameD49_2002M

Part Number1661259C1

InstancesClearance and Identification Lights N/SUNSHADE AMBER

LENS:Diagram1

MatesDEV-CLEARANCE_LIGHT_LH-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EC58Z	-	0.0	18.0	-	BROWN	0.0	-	PIN1	-
B	-	-	EC58-GD	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameD49_2003M

Part Number1661259C1

InstancesClearance and Identification Lights N/SUNSHADE AMBER
LENS:Diagram1

MatesDEV-IDENTIFICATION_LIGHT_L H-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EC58M	-	0.0	18.0	-	BROWN	0.0	-	PIN1	-
B	-	-	EC58-GE	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameD49_2004M

Part Number1661259C1

InstancesClearance and Identification Lights N/SUNSHADE AMBER
LENS:Diagram1

MatesDEV-IDENTIFICATION_LIGHT_M ID-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EC58N	-	0.0	18.0	-	BROWN	0.0	-	PIN1	-
B	-	-	EC58-GF	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameD49_2005M

Part Number1661259C1

InstancesClearance and Identification Lights N/SUNSHADE AMBER
LENS:Diagram1

MatesDEV-IDENTIFICATION_LIGHT_R H-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EC58P	-	0.0	18.0	-	BROWN	0.0	-	PIN1	-
B	-	-	EC58-GH	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameD49_2006M

Part Number1661259C1

InstancesClearance and Identification Lights N/SUNSHADE AMBER

LENS:Diagram1

MatesDEV-CLEARANCE_LIGHT_RH-01



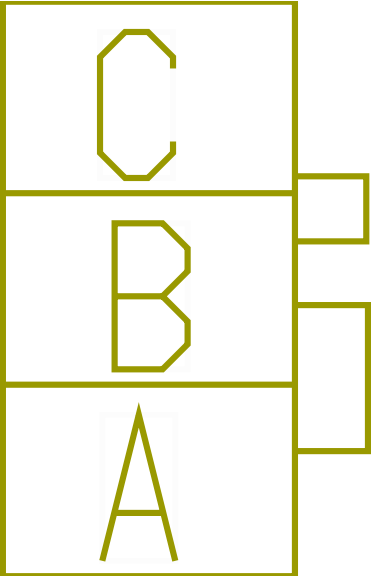
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EC58R	-	0.0	18.0	-	BROWN	0.0	-	PIN1	-
B	-	-	EC58-GJ	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameD49_2115M

Part Number1661889C1

InstancesCab Dome Light W/Classic Trim (MV, HV, HX):Diagram1
Cab Dome Lights (CA 2.0 Standard Cab/Low Rise
Sleeper):Diagram1
Interior Task Lighting (Map Light) (CA 2.0 Standard Cab/Low
Rise Sleeper):Diagram1

MatesDEV-FRONT_CAB_DOME_DAY-01



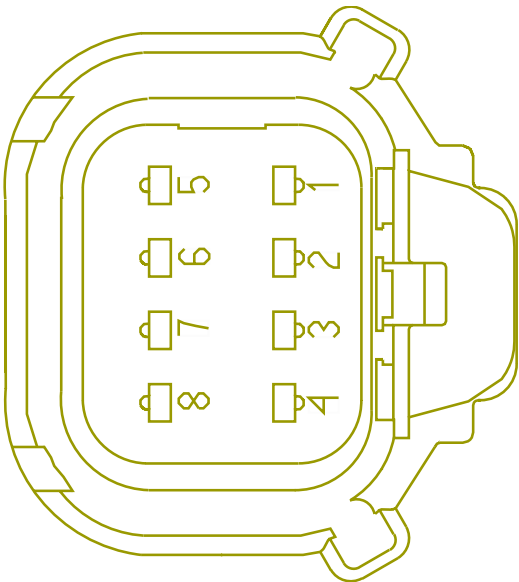
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EG63EB	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-
B	-	-	EG63-GH	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
C	-	-	EG63DB	-	0.0	18.0	-	DARK BLUE	0.0	-	PIN1	-

Connector NameD49_240

Part Number3709924C1

InstancesBody Standard J1939 (250Kbps):Body Standard J1939 (250Kbps)

MatesDEV-ONCOMMAND_LINK_N2-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	WIRE728832	-	0.0	-	-	-	0.0	-	1	-
6	-	-	WIRE728829	-	0.0	-	-	-	0.0	-	X	-

Connector Name

D49_240

Part Number

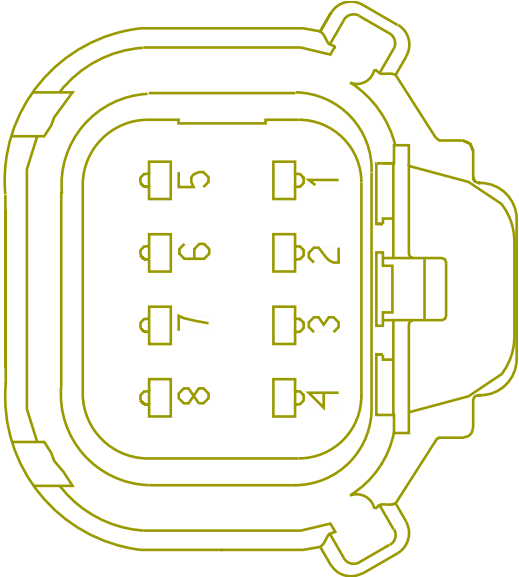
3709924C1

Instances

Electronic Logging Device (ELD) Indicator (J1939 Switchpack Indicator):Diagram1
Over The Air Electrical I/O (OnCommand Link / N2 Module N/ Engine Diagnostic Connector):Diagram1
Over the Air Programming (OnCommand Link / N2 Module):Diagram1
Seatbelt Reminder (Warning)(Driver only):Diagram1

Mates

DEV-ONCOMMAND_LINK_N2-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	EL180G	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
2	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	EL14KBB	-	0.0	18.0	-	RED	0.0	-	C	D49_250F
6	-	-	-	-	-	-	-	-	-	-	-	-

Connector Name D49_241S
Part Number 1661259C1
Instances Antenna (Shark Fin, AM/FM/WB only):Diagram1
Mates DEV-ANTENNA_SHARKFIN-02



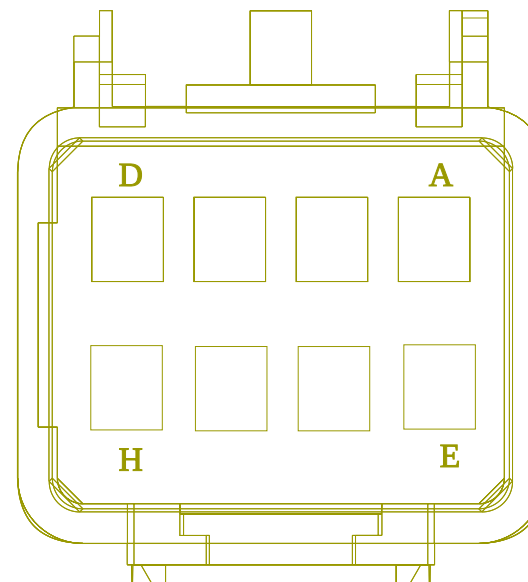
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EP86AKS	-	0.0	18.0	-	LIGHT BLUE	0.0	-	D	D49_250F

Connector Name D49_241
Part Number 1661259C1
Instances Antenna (Shark Fin, Day Cab, OTAPM, AM/FM, XM
Radio):Diagram1
Mates DEV-ANTENNA_SHARKFIN-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EF86AK	-	0.0	18.0	-	LIGHT BLUE	0.0	-	D	D49_250F

Connector Name D49_250F
Part Number 4064552C1
Instances Body Standard J1939 (250Kbps):Body Standard J1939 (250Kbps)
Over The Air Electrical I/O (OnCommand Link / N2 Module N/ Engine Diagnostic Connector):Diagram1
Mates A67_250M



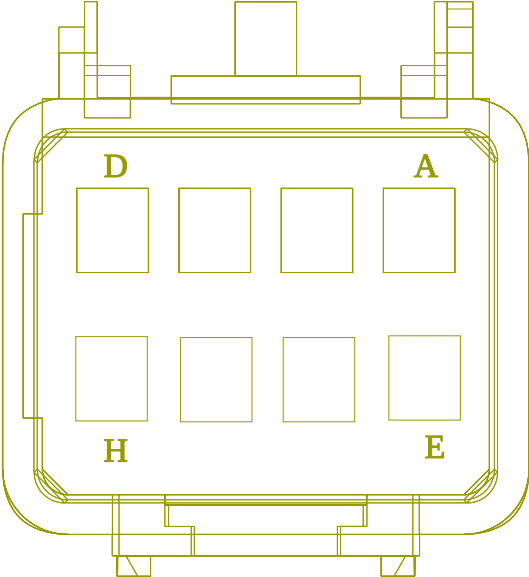
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE728831	-	0.0	-	-	-	0.0	-	1	-
B	-	-	WIRE728830	-	0.0	-	-	-	0.0	-	X	-
C	-	-	EL14KBB	-	0.0	18.0	-	RED	0.0	-	5	D49_240
E	-	-	WIRE728833	-	0.0	-	-	-	0.0	-	1	-
F	-	-	WIRE728834	-	0.0	-	-	-	0.0	-	X	-

Connector NameD49_250F

Part Number4064552C1

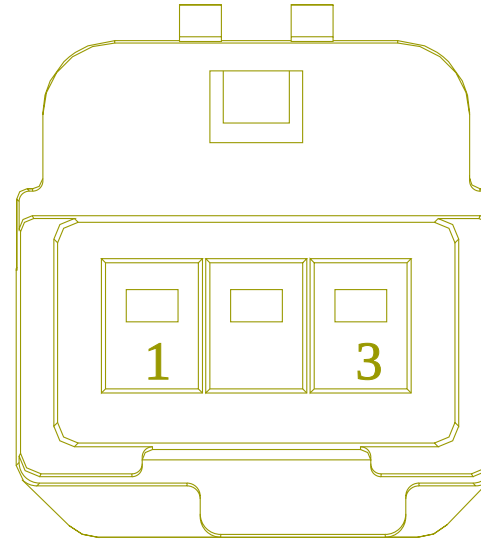
InstancesAntenna (Shark Fin, AM/FM/WB only):Diagram1
Antenna (Shark Fin, Day Cab, OTAPM, AM/FM, XM
Radio):Diagram1

MatesA67_250M



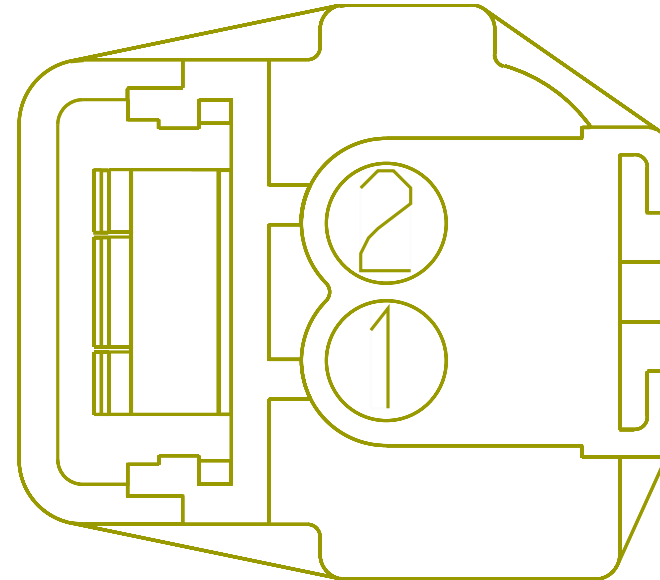
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
D	-	-	EF86AK	-	0.0	18.0	-	LIGHT BLUE	0.0	-	A	D49_241
D	-	-	EP86AKS	-	0.0	18.0	-	LIGHT BLUE	0.0	-	A	D49_241S

Connector Name D80_100
Part Number 3767577C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Radio W/ Bluetooth:Diagram1
Radio W/ Bluetooth & W/ Steering Wheel Pod:Diagram1
Mates DEV-BT__MICROPHONE-01_2008 -04-04:A



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	86A(+)	-	0.0	20.0	-	LIGHT GREEN	0.0	-	2	D80_250 5M
2	-	-	WIRE775 903	-	0.0	-	-	-	0.0	-	2	D80_250 5M
3	-	-	86A(-)	-	0.0	20.0	-	LIGHT GREEN	0.0	-	1	D80_250 5M
3	-	-	WIRE775 902	-	0.0	-	-	-	0.0	-	1	D80_250 5M

Connector Name D80_2505M
Part Number 3920483C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Radio W/ Bluetooth:Diagram1
Radio W/ Bluetooth & W/ Steering Wheel Pod:Diagram1
Mates A67_2505



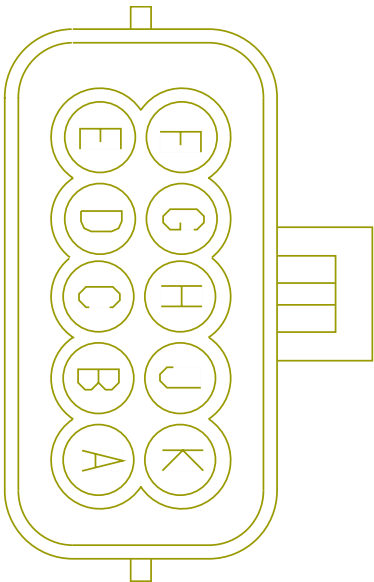
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	86A(-)	-	0.0	20.0	-	LIGHT GREEN	0.0	-	3	D80_100
1	-	-	WIRE775 902	-	0.0	-	-	-	0.0	-	3	D80_100
2	-	-	86A(+)	-	0.0	20.0	-	LIGHT GREEN	0.0	-	2	D80_100
2	-	-	WIRE775 903	-	0.0	-	-	-	0.0	-	2	D80_100

Connector NameE01_DS_3000

Part Number3538634C1

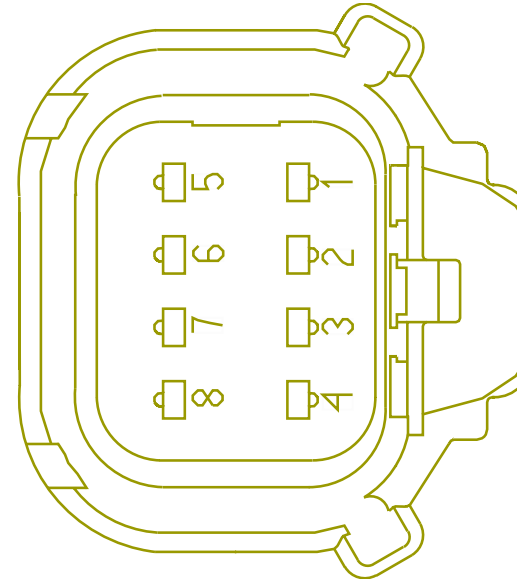
InstancesMirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror
Left Side Only):Diagram1

MatesDEV-DS_MIRROR-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
G	-	-	EA78AA	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1130.0	-	G	E01_PS_3000
H	-	-	EN78-GB	-	0.0	16.0	-	WHITE	0.0	-	X	-
H	-	-	EA78-GF	3510360 R1	1.16	16.0	Thin Wall XLPE Primary Cable	WHITE	1130.0	-	H	E01_PS_3000

Connector Name E01_DS_3203M
Part Number 3709924C1
Instances Mirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror
Left Side Only):Diagram1
Mates DEV-FRONT_DS_DOOR_POD-01



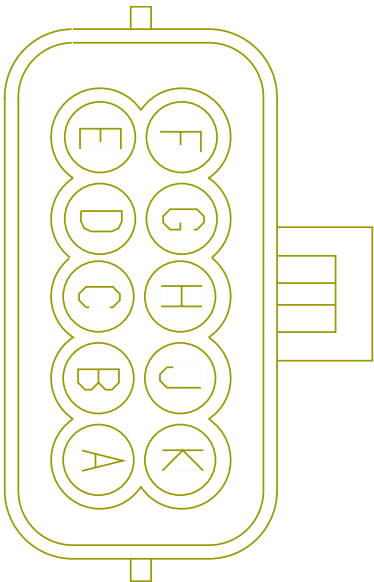
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	EA78AA	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1130.0	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	EM78-GF	-	0.0	16.0	-	WHITE	0.0	-	X	-
8	-	-	EA78-GF	3510360 R1	1.16	16.0	Thin Wall XLPE Primary Cable	WHITE	1130.0	-	-	-

Connector NameE01_PS_3000

Part Number3538634C1

InstancesMirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror
Left Side Only):Diagram1

MatesDEV-PS_MIRROR-01



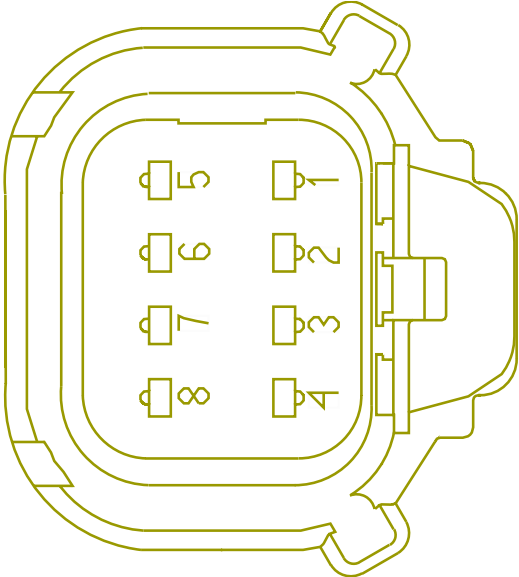
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
G	-	-	EA78AA	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1130.0	-	G	E01_DS_ 3000
H	-	-	EN78-GB	-	0.0	16.0	-	WHITE	0.0	-	-	-
H	-	-	EA78-GF	3510360 R1	1.16	16.0	Thin Wall XLPE Primary Cable	WHITE	1130.0	-	H	E01_DS_ 3000

Connector NameE01_PS_3203M

Part Number3709924C1

InstancesMirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror
Left Side Only):Diagram1

MatesDEV-FRONT_PS_DOOR_POD-01



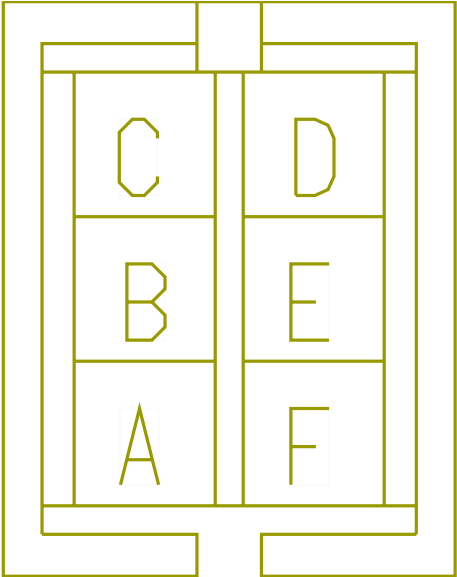
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	EA78AA	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1130.0	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	EM78-GF	-	0.0	16.0	-	WHITE	0.0	-	-	-
8	-	-	EA78-GF	3510360 R1	1.16	16.0	Thin Wall XLPE Primary Cable	WHITE	1130.0	-	-	-

Connector NameE01_3000M

Part Number1661200C1

InstancesMirror Lighting (Turns N/ Door Pods):Diagram1
Mirror Lighting (Turns W/ Door Pods):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1

MatesA67_3100F



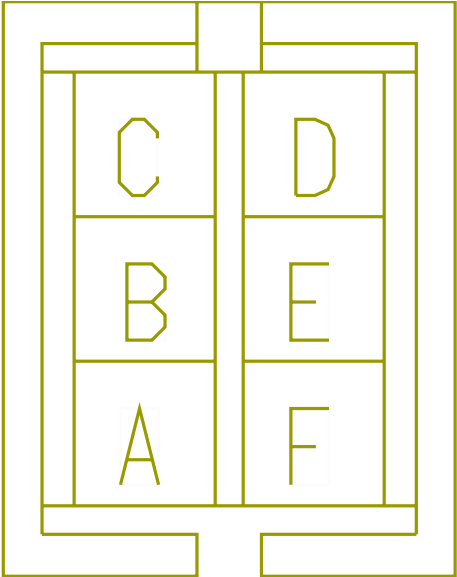
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	FL56D	-	0.0	18.0	-	ORANGE	0.0	-	E	E01_3000
B	-	-	FH78A	-	0.0	18.0	-	LIGHT GREEN	0.0	-	G	E01_3000

Connector NameE01_3000M

Part Number1661200C1

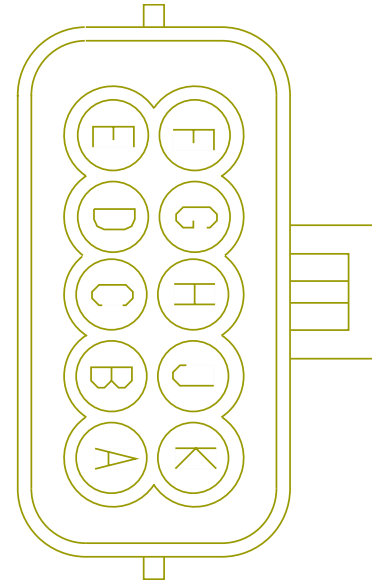
InstancesMirror Lighting (Turns N/ Door Pods):Diagram1
Mirror Lighting (Turns W/ Door Pods):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1

MatesA67_3000F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EL56D	-	0.0	18.0	-	ORANGE	0.0	-	E	E01_3000
B	-	-	EK78A	-	0.0	18.0	-	LIGHT GREEN	0.0	-	G	E01_3000

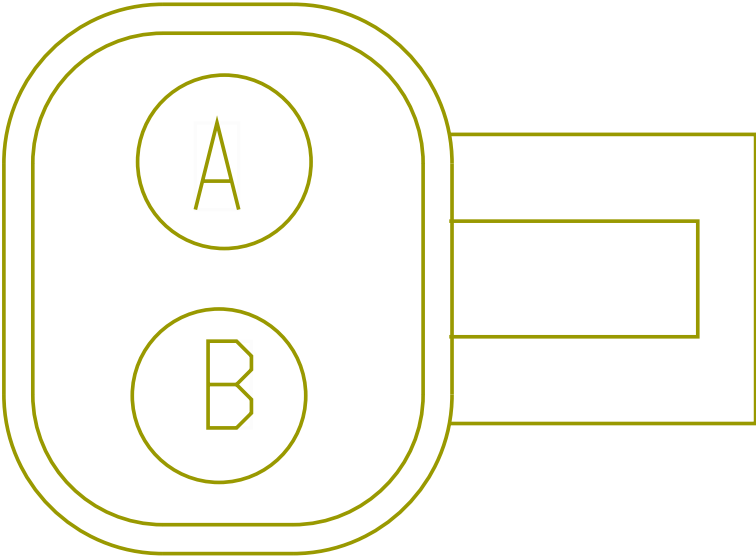
Connector Name E01_3000
Part Number 3538634C1
Instances Ambient Temperature (No Display, Mirror Sensor, VCU):Diagram1
Mirror Lighting (Turns N/ Door Pods):Diagram1
Mirror Lighting (Turns W/ Door Pods):Diagram1
Mirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood Mirrors):Diagram1
Mirrors (Heated) (Door Pod Actuated, Cab Mounted, 1-Door):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
Mirrors (Power) (2 Door Pods):Diagram1
Mates DEV-DS_MIRROR-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EB78G	-	0.0	18.0	-	LIGHT GREEN	0.0	-	5	E01_320 3M
A	-	-	FB78G	-	0.0	18.0	-	LIGHT GREEN	0.0	-	5	E01_320 3M
B	-	-	EB78C	-	0.0	18.0	-	LIGHT GREEN	0.0	-	4	E01_320 3M
B	-	-	FB78C	-	0.0	18.0	-	LIGHT GREEN	0.0	-	4	E01_320 3M
C	-	-	ET41D	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	1025.0	-	E	3200F
D	-	-	ET41E	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	1025.0	-	F	3200F
E	-	-	EL56D	-	0.0	18.0	-	ORANGE	0.0	-	A	E01_300 0M

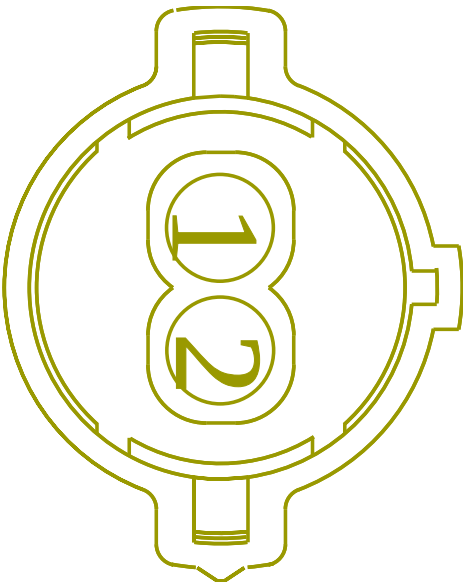
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E	-	-	FL56D	-	0.0	18.0	-	ORANGE	0.0	-	A	E01_3000M
F	-	-	EB78H	-	0.0	20.0	-	YELLOW 2	0.0	-	6	E01_3203M
F	-	-	FB78H	-	0.0	20.0	-	YELLOW 2	0.0	-	6	E01_3203M
G	-	-	EA78AA	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1130.0	-	1	E01_3203M
G	-	-	FA78AA	-	0.0	16.0	-	LIGHT GREEN	0.0	-	1	E01_3203M
G	-	-	EK78A	-	0.0	18.0	-	LIGHT GREEN	0.0	-	B	E01_3000M
G	-	-	FH78A	-	0.0	18.0	-	LIGHT GREEN	0.0	-	B	E01_3000M
H	-	-	EA78-GF	3510360 R1	1.16	16.0	Thin Wall XLPE Primary Cable	WHITE	1130.0	-	8	E01_3203M
H	-	-	FA78-GF	-	0.0	16.0	-	WHITE	0.0	-	8	E01_3203M
H	-	-	FH78-GE	-	0.0	16.0	-	WHITE	0.0	-	D	E01_3200F
H	-	-	EK78-GH	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
H	-	-	FU78-GA	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
H	-	-	EH78-GE	-	0.0	16.0	-	WHITE	0.0	-	D	E01_3200F
H	-	-	EA78-GF	-	0.0	16.0	-	WHITE	0.0	-	8	E01_3203M

Connector Name E01_3003M
Part Number 1671610C1
Instances Power Door Locks (2-Door):Diagram1
Mates DEV-FRONT_PS_LOCK_MOTOR-01



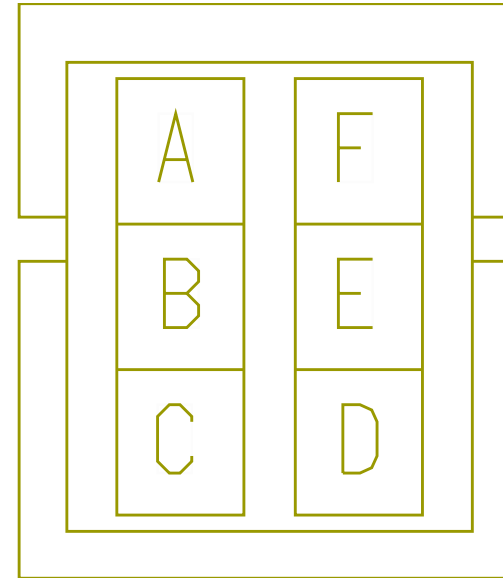
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EU81LA	-	0.0	14.0	-	LIGHT GREEN	0.0	-	3	E01_320 1M
A	-	-	FU81LA	-	0.0	14.0	-	LIGHT GREEN	0.0	-	3	E01_320 1M
B	-	-	EU81LB	-	0.0	14.0	-	LIGHT GREEN	0.0	-	4	E01_320 1M
B	-	-	FU81LB	-	0.0	14.0	-	LIGHT GREEN	0.0	-	4	E01_320 1M

Connector Name E01_3100M
Part Number 3767181C1
Instances Power Windows (2-Door):Diagram1
Mates DEV-PS_WINDOW_MOT-01



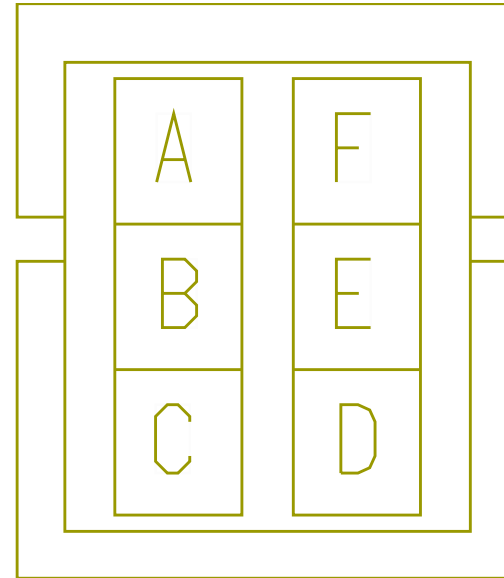
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	FU83B	-	0.0	14.0	-	LIGHT GREEN	0.0	-	2	E01_320 1M
1	-	-	FW83B	-	0.0	14.0	-	LIGHT GREEN	0.0	-	2	E01_320 1M
2	-	-	FU83A	-	0.0	14.0	-	LIGHT GREEN	0.0	-	1	E01_320 1M
2	-	-	FW83A	-	0.0	14.0	-	LIGHT GREEN	0.0	-	1	E01_320 1M

Connector Name E01_3200F
Part Number 1661201C1
Instances Low Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)
Mirror Lighting (Turns N/ Door Pods):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left
Side Only):Diagram1
Power Door Locks (2-Door):Diagram1
Mates A67_3200M



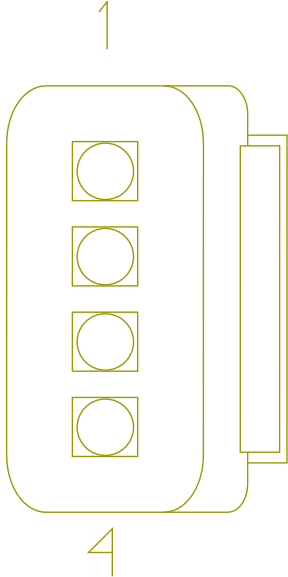
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE196493	-	0.0	-	-	-	0.0	-	3	E01_3202M
B	-	-	WIRE196492	-	0.0	-	-	-	0.0	-	2	E01_3202M
C	-	-	EU81B	-	0.0	12.0	-	LIGHT GREEN	0.0	-	1	E01_3202M
D	-	-	EC81-GA	-	0.0	12.0	-	WHITE	0.0	-	4	E01_3202M
D	-	-	EU78-GJ	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
D	-	-	EK78-GJ	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
D	-	-	EH78-GE	-	0.0	16.0	-	WHITE	0.0	-	H	E01_3000

Connector Name E01_3200F
Part Number 1661201C1
Instances Low Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)
Mirror Lighting (Turns N/ Door Pods):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left
Side Only):Diagram1
Power Door Locks (2-Door):Diagram1
Remote Keyless Access:Diagram1
Mates A67_3204M



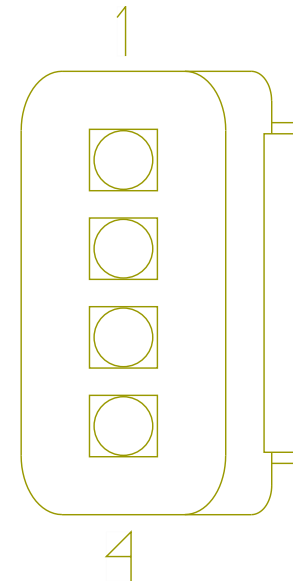
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE196495	-	0.0	-	-	-	0.0	-	3	3202M
B	-	-	WIRE196494	-	0.0	-	-	-	0.0	-	2	3202M
C	-	-	FW81A	-	0.0	12.0	-	LIGHT GREEN	0.0	-	1	E01_3202M
C	-	-	FU81B	-	0.0	12.0	-	LIGHT GREEN	0.0	-	1	E01_3202M
D	-	-	FW81-GB	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
D	-	-	FC81-GB	-	0.0	12.0	-	WHITE	0.0	-	4	E01_3202M
D	-	-	FU81-GA	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
D	-	-	FH78-GE	-	0.0	16.0	-	WHITE	0.0	-	H	E01_3000
D	-	-	FG78-GC	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-

Connector Name E01_3201M
Part Number 3709437C1
Instances Power Door Locks (2-Door):Diagram1
Power Windows (2-Door):Diagram1
Mates DEV-FRONT_DS_DOOR_POD-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	FU83A	-	0.0	14.0	-	LIGHT GREEN	0.0	-	2	E01_310 0M
1	-	-	FW83A	-	0.0	14.0	-	LIGHT GREEN	0.0	-	2	E01_310 0M
2	-	-	FU83B	-	0.0	14.0	-	LIGHT GREEN	0.0	-	1	E01_310 0M
2	-	-	FW83B	-	0.0	14.0	-	LIGHT GREEN	0.0	-	1	E01_310 0M
3	-	-	EU81LA	-	0.0	14.0	-	LIGHT GREEN	0.0	-	A	E01_300 3M
3	-	-	FU81LA	-	0.0	14.0	-	LIGHT GREEN	0.0	-	A	E01_300 3M
4	-	-	EU81LB	-	0.0	14.0	-	LIGHT GREEN	0.0	-	B	E01_300 3M
4	-	-	FU81LB	-	0.0	14.0	-	LIGHT GREEN	0.0	-	B	E01_300 3M

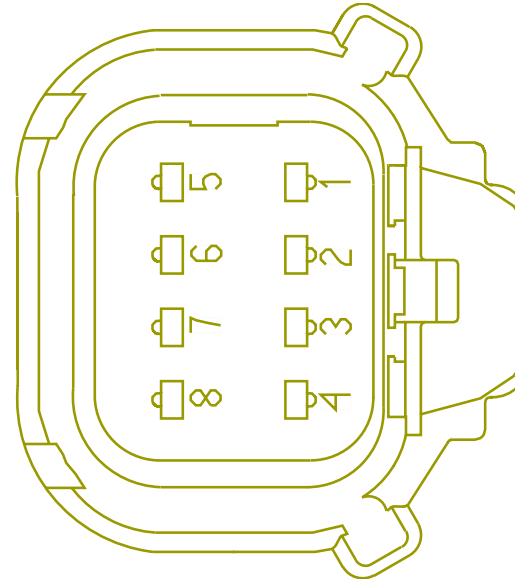
Connector Name E01_3202M
Part Number 3820176C1
Instances Low Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)
Mirrors (Power) (2 Door Pods):Diagram1
Power Door Locks (2-Door):Diagram1
Power Windows (2-Door):Diagram1
Remote Keyless Access:Diagram1
Mates DEV-FRONT_DS_DOOR_POD-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	FW81A	-	0.0	12.0	-	LIGHT GREEN	0.0	-	C	E01_3200F
1	-	-	EU81B	-	0.0	12.0	-	LIGHT GREEN	0.0	-	C	E01_3200F
1	-	-	FU81B	-	0.0	12.0	-	LIGHT GREEN	0.0	-	C	E01_3200F
2	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	WIRE196492	-	0.0	-	-	-	0.0	-	B	E01_3200F
3	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	WIRE196493	-	0.0	-	-	-	0.0	-	A	E01_3200F
4	-	-	FW81-GBB	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
4	-	-	FC81-GB	-	0.0	12.0	-	WHITE	0.0	-	D	E01_3200F

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
4	-	-	EC81-GA	-	0.0	12.0	-	WHITE	0.0	-	D	E01_3200F
4	-	-	EU81-GA	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
4	-	-	FU81-GG	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-

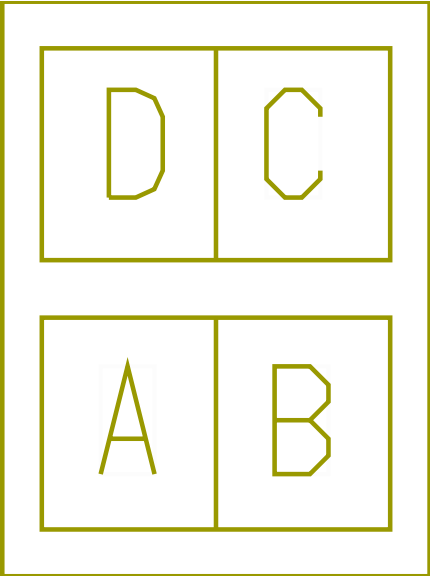
Connector Name E01_3203M
Part Number 3709924C1
Instances Mirror Lighting (Turns W/ Door Pods):Diagram1
Mirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood
Mirrors):Diagram1
Mirrors (Heated) (Door Pod Actuated, Cab Mounted, 1-
Door):Diagram1
Mirrors (Power) (2 Door Pods):Diagram1
Mates DEV-FRONT_DS_DOOR_POD-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	EA78AA	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1130.0	-	G	E01_3000
1	-	-	FA78AA	-	0.0	16.0	-	LIGHT GREEN	0.0	-	G	E01_3000
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	EB78C	-	0.0	18.0	-	LIGHT GREEN	0.0	-	B	E01_3000
4	-	-	FB78C	-	0.0	18.0	-	LIGHT GREEN	0.0	-	B	E01_3000
5	-	-	EB78G	-	0.0	18.0	-	LIGHT GREEN	0.0	-	A	E01_3000
5	-	-	FB78G	-	0.0	18.0	-	LIGHT GREEN	0.0	-	A	E01_3000

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
6	-	-	EB78H	-	0.0	20.0	-	YELLOW 2	0.0	-	F	E01_3000
6	-	-	FB78H	-	0.0	20.0	-	YELLOW 2	0.0	-	F	E01_3000
8	-	-	EA78-GF	3510360 R1	1.16	16.0	Thin Wall XLPE Primary Cable	WHITE	1130.0	-	H	E01_3000
8	-	-	FA78-GF	-	0.0	16.0	-	WHITE	0.0	-	H	E01_3000
8	-	-	EA78-GF	-	0.0	16.0	-	WHITE	0.0	-	H	E01_3000

Connector Name E01_3205F
Part Number 1667529C1
Instances Courtesy Step Lighting (2 Door):Diagram1
Speakers:Four Speakers & N/QC:Diagram1
Mates A67_3206M



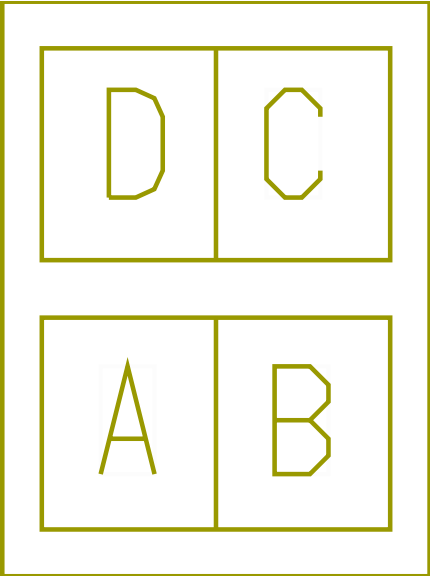
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	FD63BB	-	0.0	18.0	-	DARK BLUE	0.0	-	A	E01_3400
B	-	-	FD63-G	-	0.0	18.0	-	WHITE	0.0	-	B	E01_3400
C	-	-	FS86K	-	0.0	18.0	-	LIGHT GREEN	0.0	-	A	E01_3300M
D	-	-	FS86J	-	0.0	18.0	-	LIGHT GREEN	0.0	-	B	E01_3300M

Connector NameE01_3205F

Part Number1667529C1

InstancesCourtesy Step Lighting (2 Door):Diagram1
Speakers:Four Speakers & N/QC:Diagram1

MatesA67_3205M



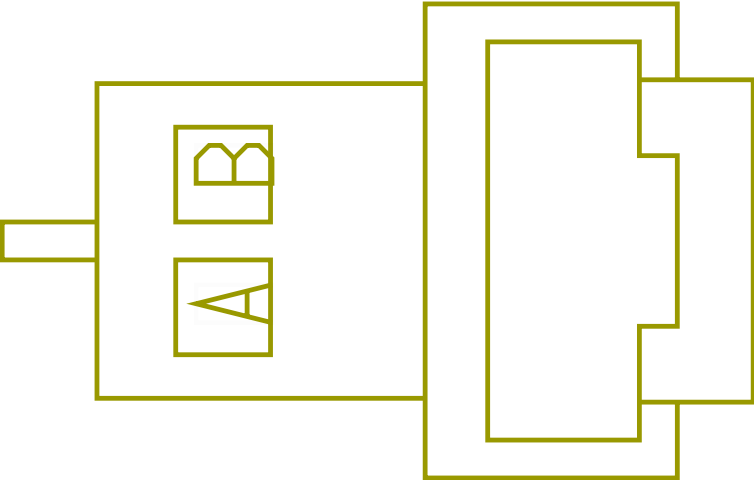
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	ED63BB	-	0.0	18.0	-	DARK BLUE	0.0	-	A	E01_3400
B	-	-	ED63-G	-	0.0	18.0	-	WHITE	0.0	-	B	E01_3400
C	-	-	ES86H	-	0.0	18.0	-	LIGHT GREEN	0.0	-	A	E01_3300M
D	-	-	ES86J	-	0.0	18.0	-	LIGHT GREEN	0.0	-	B	E01_3300M

Connector NameE01_3300M

Part Number3535769C1

InstancesSpeakers:Four Speakers & N/QC:Diagram1

MatesDEV-SPKR_LF-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	ES86H	-	0.0	18.0	-	LIGHT GREEN	0.0	-	C	E01_320 5F
A	-	-	FS86K	-	0.0	18.0	-	LIGHT GREEN	0.0	-	C	E01_320 5F
B	-	-	ES86J	-	0.0	18.0	-	LIGHT GREEN	0.0	-	D	E01_320 5F
B	-	-	FS86J	-	0.0	18.0	-	LIGHT GREEN	0.0	-	D	E01_320 5F

Connector Name E01_3400
Part Number 1661259C1
Instances Courtesy Step Lighting (2 Door):Diagram1
Mates DEV-DS_COURTESY_LIGHT-01



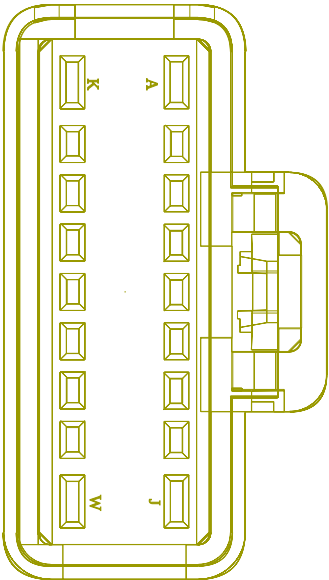
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
A	-	-	ED63BB	-	0.0	18.0	-	DARK BLUE	0.0	-	A	E01_320 5F
A	-	-	FD63BB	-	0.0	18.0	-	DARK BLUE	0.0	-	A	E01_320 5F
B	-	-	ED63-G	-	0.0	18.0	-	WHITE	0.0	-	B	E01_320 5F
B	-	-	FD63-G	-	0.0	18.0	-	WHITE	0.0	-	B	E01_320 5F

Connector NameJ1606

Part Number3759005C1

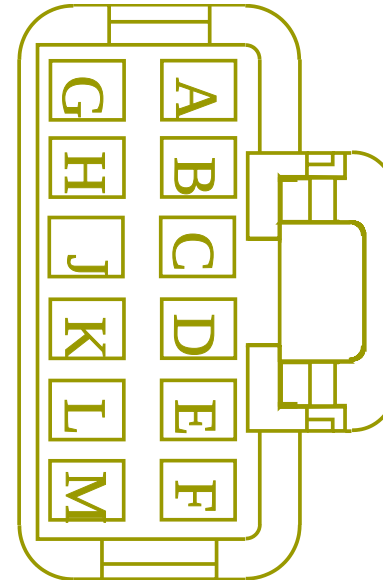
InstancesWindshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1

MatesMODU-BCM-A000-10-00



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
G	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-

Connector Name J1-1603
Part Number 3598711C1
Instances End of Frame Aux Work Light (One Light N/Relay):Diagram1
Power Lift Gate:Diagram1
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Mates MODU-BCM-A000-10-00



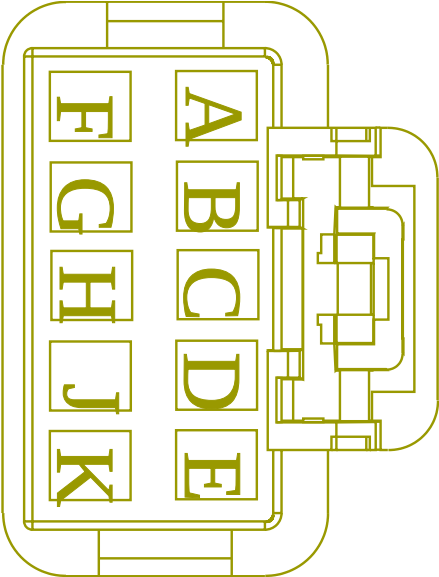
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
D	-	-	YL56CB	-	0.0	16.0	-	ORANGE	0.0	-	-	-
G	-	-	ZT65	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	0.0	-	68	A67_1701
J	-	-	KP112	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	720.0	-	66	A67_1701
M	-	-	YL57E	-	0.0	16.0	-	ORANGE	0.0	-	-	-

Connector NameJ2-1604

Part Number3598710C1

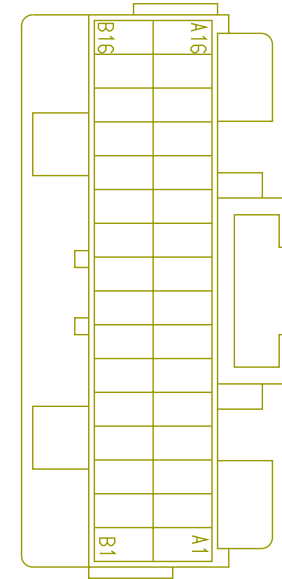
InstancesCity Horn:Diagram1

MatesMODU-BCM-A000-10-00



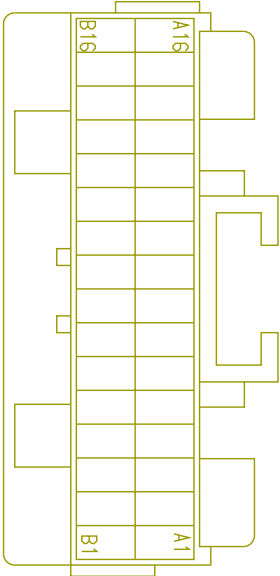
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E	-	-	AA85	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	640.0	-	21	A67_1700

Connector Name J3-1600
Part Number 3598706C1
Instances Compressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1
Heating Ventilation & Air Conditioning (HVAC) (W/ VCU):Diagram1 - HVAC
Mates MODU-BCM-A000-10-00



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B2	-	-	NK40	2643673 R1	0.79	18.0	Std. Wall XLPE Primary Cable	GREY	1365.0	-	C12	1800
B3	-	-	NK40A	2643673 R1	0.79	18.0	Std. Wall XLPE Primary Cable	GREY	1365.0	-	B2	1800
B5	-	-	TB74	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3205.0	-	47	1703M

Connector Name J3-1600
Part Number 3598706C1
Instances HVAC Actuators:Diagram 1
Mates MODU-BCM-A000-10-00



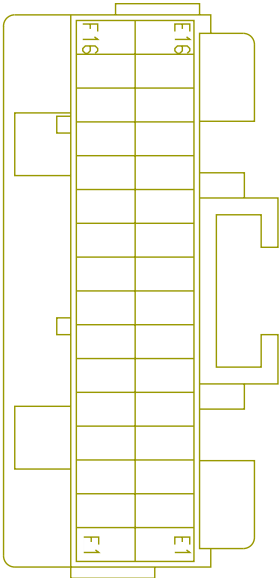
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B15	-	-	TA75AA	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1260.0	-	X	-

Connector NameJ4-1601

Part Number3598707C1

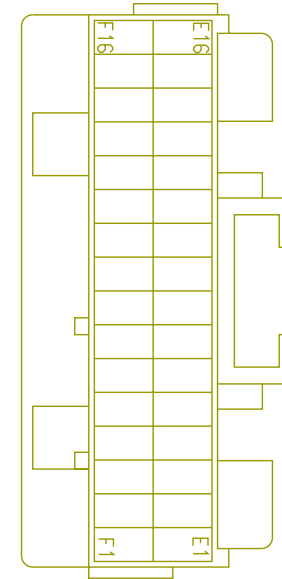
InstancesMirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror
Left Side Only):Diagram1

MatesMODU-BCM-A000-10-00



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
F13	-	-	RN78RC	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	0.0	-	X	-

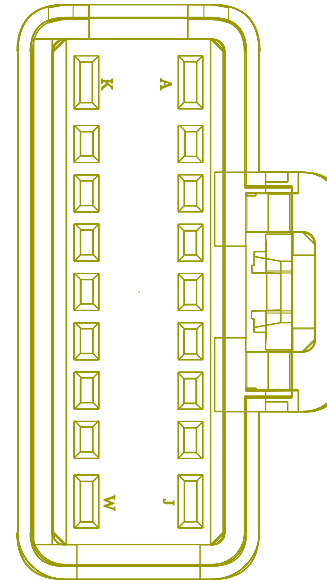
Connector Name J5-1602
Part Number 3598705C1
Instances Body Standard J1939 (250Kbps):Body Standard J1939 (250Kbps)
City Horn:Diagram1
Compressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1
Electronic Logging Device (ELD) Indicator (J1939 Switchpack Indicator):Diagram1
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram1 - HVAC
Over the Air Programming (OnCommand Link / N2 Module):Diagram1
Park Brake Controls (W/VCU):Diagram1
Real Time Clock (RTC) (Standard):Diagram1
Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1
Vehicle Sleep Mode:Diagram1
Mates MODU-BCM-A000-10-00



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E4	-	-	NK6	2643673 R1	0.79	18.0	Std. Wall XLPE Primary Cable	GREY	1385.0	-	B3	1800
E5	-	-	KA9H	-	0.0	18.0	-	GREY	0.0	-	X	-
E14	-	-	WB70	3510364 R1	0.53	20.0	Thin Wall XLPE Primary Cable	RED	1385.0	-	B9	1800
E15	-	-	WB70A	3510364 R1	0.53	20.0	Thin Wall XLPE Primary Cable	RED	1385.0	-	A6	1800
F5	-	-	-	-	-	-	-	-	-	-	-	-
F5	-	-	WIRE722 732	-	0.0	-	-	-	0.0	-	PIN1	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
F6	-	-	-	-	-	-	-	-	-	-	-	-
F6	-	-	WIRE722 731	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name	J6-1606
Part Number	3759005C1
Instances	Automatic Lighting W/Twilight & W/Sunload:Diagram1 Auxiliary Air Solenoids (Normally Closed):Diagram1 Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps) City Horn:Diagram1 Compressed Air Supply (Primary & Secondary Gauge) (Dual Air Brake System):Diagram1 Compressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1 Coolant Temperature Monitoring (J1939 Comm, W/ VCU):Diagram1 Cranking (W/VCU):Diagram1 Cranking Request (BCM Controlled):Diagram1 Daytime Running Lights W/CAN Headlamps:Diagram1 Diagnostic Mode (Horizon):Diagram1 Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O Fender Lights:Diagram1 Door Ajar Reminder (Entry/Exit) (2 Doors):Diagram1 Drive Mode Selector I/O (W/VCU):Diagram1 Electronic Logging Device (ELD) Indicator (J1939 Switchpack Indicator):Diagram1 End of Frame Aux Work Light (One Light N/Relay):Diagram1 Engine Warning (DM1 LAMPS - MUX):Diagram1 Exterior Lamp Check (Horizon):Diagram1 Exterior Lighting On Reminder:Diagram1 Front Fog Lamps:Diagram1 Headlights (LED CAN) W/O Plow Lights:Diagram1 Height Control (W/VCU):Diagram1 High-Voltage Monitor:Diagram1 Instrument Cluster - Bulb Check:Diagram1 Jaw Unlock Control W/ SOLENOIDS W/SWITCH PACKS:Diagram1 License Plate Light (LED BOX LAMP Daisy Chain Tail Light):Diagram1 Low Speed J1939 (125Kbps):Low Speed J1939 (125Kbps) Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts, N/Guide Posts:Diagram1 Mirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror Left Side Only):Diagram1 Mirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood Mirrors):Diagram1

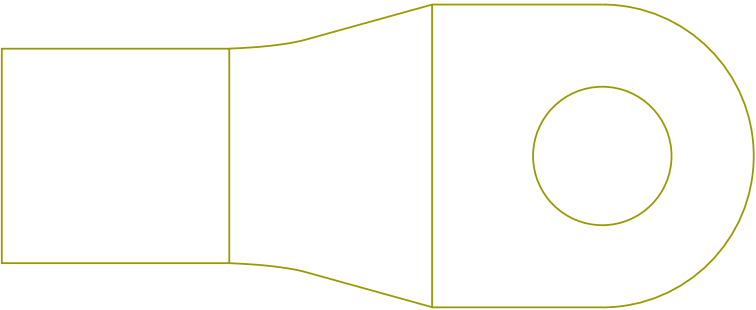


Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
 Odometer (W/VCU):Diagram1
 Operator Input (Key Switch):Diagram1
 Over the Air Programming (OnCommand Link / N2 Module):Diagram1
 Park Brake Controls (W/VCU):Diagram1
 Park Lights (W/Marker Interrupt):Diagram1
 Park Lights - N/Marker Interrupt:Diagram1
 Power Door Locks (2-Door):Diagram1
 Power Electronics Coolant Temperature Monitoring:Diagram1
 Power Lift Gate:Diagram1
 Power Windows (2-Door):Diagram1
 Powertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)
 Radio W/ Bluetooth:Diagram1
 Radio W/ Bluetooth & W/ Steering Wheel Pod:Diagram1
 Real Time Clock (RTC) (Standard):Diagram1
 Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
 Regenerative Braking (W/VCU):Diagram1
 Relays - Grid Management:Diagram1
 Remote Keyless Access:Diagram1
 Seatbelt Reminder (Warning)(Driver only):Diagram1
 Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1
 Stability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1
 Theft Deterrent (Standard, J1939 Mux SW, W/VCU):Diagram1
 Traction Control (Bendix, VCU):Diagram1
 Trip Odometer (W/VCU):Diagram1
 Vehicle Alarm System (Standard):Diagram1
 Vehicle Sleep Mode:Diagram1
 Vehicle Sound Generator:Diagram1
 Vehicle Speed Control (Cruise Control) (Steering Wheel Controls, W/VCU):Diagram1
 Voltage Monitoring (Voltmeter) (Horizon):Diagram1
 Windshield Wipers:Diagram1
 MODU-BCM-A000-10-00

Mates

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	EH12C	3510341 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	2825.0	-	R4 - 86	1011
A	-	-	EJ12C	3510341 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	2570.0	-	X	-
B	-	-	DJ13DD	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	2530.0	-	X	-
D	-	-	-	-	-	-	-	-	-	-	-	-
D	-	-	WIRE720 026	-	0.0	-	-	-	0.0	-	PIN1	-
E	-	-	-	-	-	-	-	-	-	-	-	-
E	-	-	WIRE720 025	-	0.0	-	-	-	0.0	-	PIN1	-
G	-	-	-	-	-	-	-	-	-	-	-	-
G	-	-	WIRE775 541	-	0.0	-	-	-	0.0	-	PIN1	-
H	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	WIRE775 543	-	0.0	-	-	-	0.0	-	PIN1	-
N	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	WIRE1640	-	0.0	-	-	-	0.0	-	PIN1	-
P	-	-	-	-	-	-	-	-	-	-	-	-
P	-	-	WIRE1639	-	0.0	-	-	-	0.0	-	PIN1	-
S	-	-	LC17HA	-	0.0	18.0	-	PINK	0.0	-	B	A67_1100

Connector Name K03_PDM2
Part Number 2241627C1
Instances (PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU
 Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
 VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
 and Underhood PDM (PDM 2)
Mates CP-B2-K03-1A



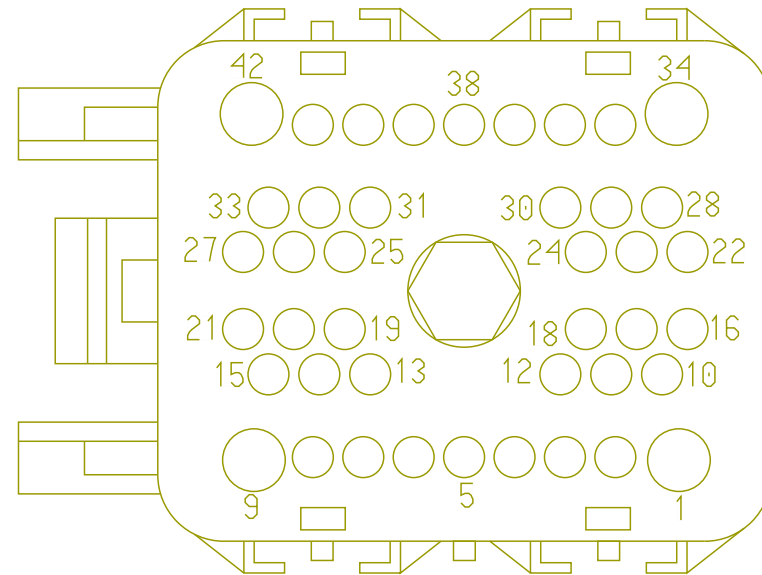
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K14A	2645964 R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	K03_605 9A
A	-	-	K14A	2645964 R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	-	-

Connector Name K03_1702

Part Number 3595620C1

Instances Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
 Battery Management System (Post 05-2022) Option 2:Diagram2
 Battery Thermal Management (W/VCU) BTMS:Diagram1
 Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
 Charge Port Monitoring OCI System:Diagram1
 Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1
 eVehicle Charging (W/VCU) Onboard Charging Modules:Diagram1
 High-Voltage Distribution Module (HVDM):Diagram1
 HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC:HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC
 HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
 Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1
 Power Electronics Coolant Temperature Monitoring:Diagram1
 Powertrain Ground Distribution:Diagram1
 Powertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)
 Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1
 Vehicle Control Unit (VCU):Diagram1

Mates A67_1702



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	K97H	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	3	K03_6036
3	-	-	K71AA	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
4	-	-	K101AA	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
5	-	-	K14X	-	0.0	16.0	-	RED	0.0	-	PIN1	-
6	-	-	WIRE775 516	-	0.0	-	-	-	0.0	-	PIN1	-

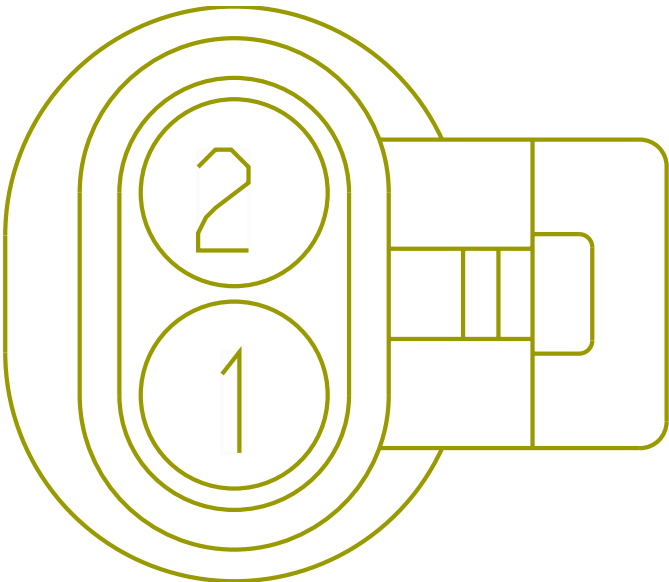
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
7	-	-	WIRE775 907	-	0.0	-	-	-	0.0	-	PIN1	-
8	-	-	WIRE775 906	-	0.0	-	-	-	0.0	-	PIN1	-
10	-	-	WIRE775 738	-	0.0	-	-	-	0.0	-	PIN1	-
11	-	-	WIRE775 737	-	0.0	-	-	-	0.0	-	PIN1	-
12	-	-	WIRE775 610	-	0.0	-	-	-	0.0	-	PIN1	-
13	-	-	WIRE775 609	-	0.0	-	-	-	0.0	-	PIN1	-
14	-	-	WIRE775 552	-	0.0	-	-	-	0.0	-	PIN1	-
15	-	-	WIRE775 551	-	0.0	-	-	-	0.0	-	PIN1	-
19	-	-	K19AA	-	0.0	18.0	-	ORANGE	0.0	-	PIN1	-
21	-	-	WIRE775 517	-	0.0	-	-	-	0.0	-	PIN1	-
22	-	-	K10E	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
23	-	-	K9A	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
28	-	-	K101BB	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
31	-	-	K14AE	-	0.0	18.0	-	RED	0.0	-	PIN1	-
32	-	-	K97AFF	-	0.0	16.0	-	VIOLET	0.0	-	PIN1	-
33	-	-	K13V	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
34	-	-	K13W	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
35	-	-	K14AF	-	0.0	16.0	-	RED	0.0	-	PIN1	-
36	-	-	K97AGG	-	0.0	16.0	-	VIOLET	0.0	-	PIN1	-
37	-	-	K13X	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
38	-	-	K13Y	-	0.0	16.0	-	PINK	0.0	-	PIN1	-

Connector NameK03_1703

Part Number2206588C1

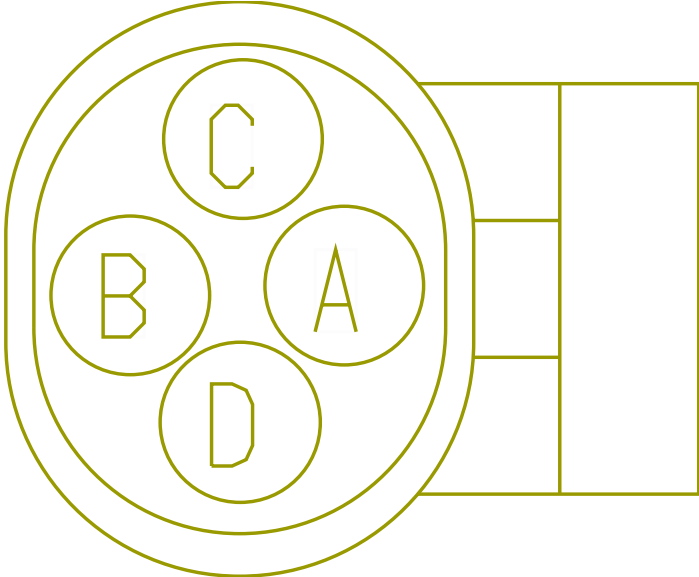
InstancesHigh-Voltage Interlock:Diagram1

MatesSW-CAB_HV_DISCONNECT-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K14B	-	0.0	16.0	-	RED	0.0	-	PIN1	-
2	-	-	K14C	-	0.0	16.0	-	RED	0.0	-	G	K03_6091

Connector Name K03_6020
Part Number 1673746C1
Instances Coolant Level Monitoring (W/VCU):Diagram1
Mates DEV-CABIN_HEAT_COOLANT_SEN SOR-01



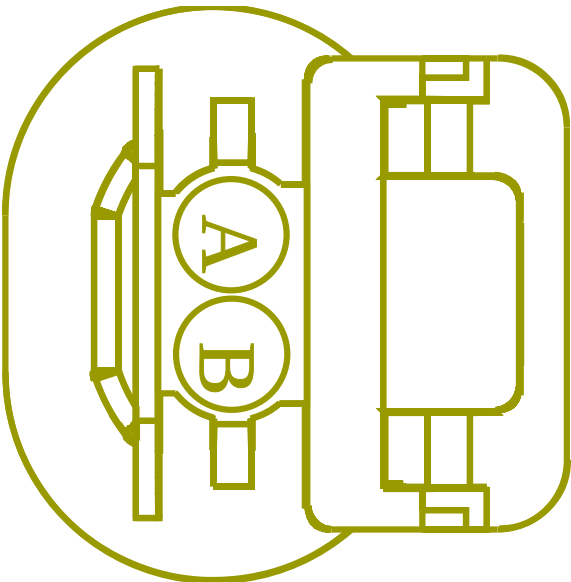
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K34A	-	0.0	18.0	-	TAN	0.0	-	-	-
B	-	-	K9G	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
C	-	-	K13M	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
D	-	-	K34B	-	0.0	18.0	-	TAN	0.0	-	PIN1	-

Connector NameK03_6023A

Part Number4173578C1

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components

MatesDEV-HEAT_PUMP_RESISTOR_A-01



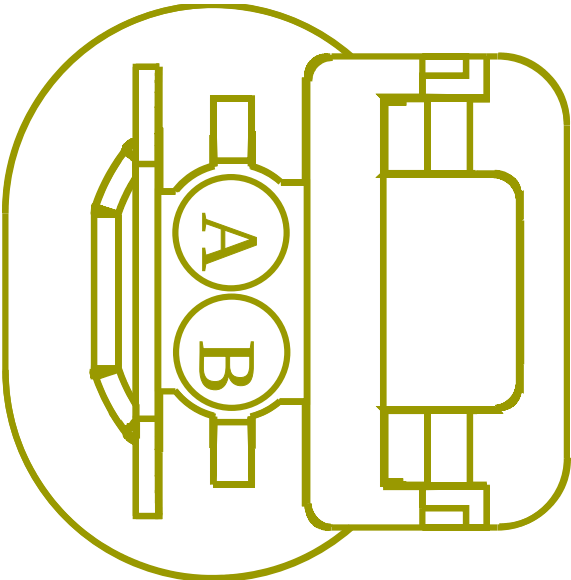
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K97Y	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
B	-	-	K11AA	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK03_6023B

Part Number4173578C1

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components

MatesDEV-HEAT_PUMP_RESISTOR_B-01



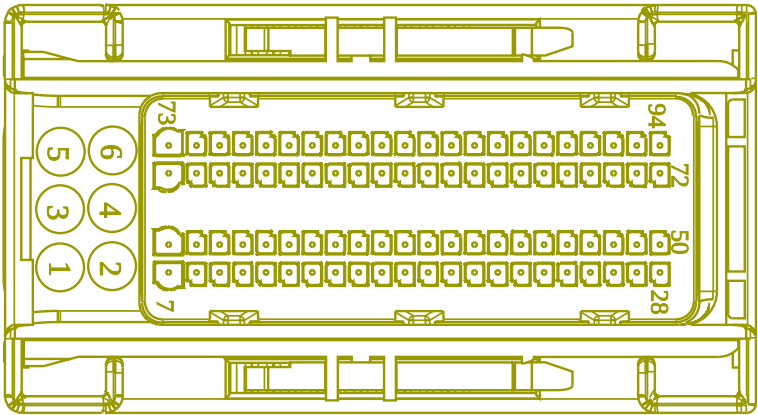
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K97Z	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
B	-	-	K11AB	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK03_6023

Part Number4241464C1

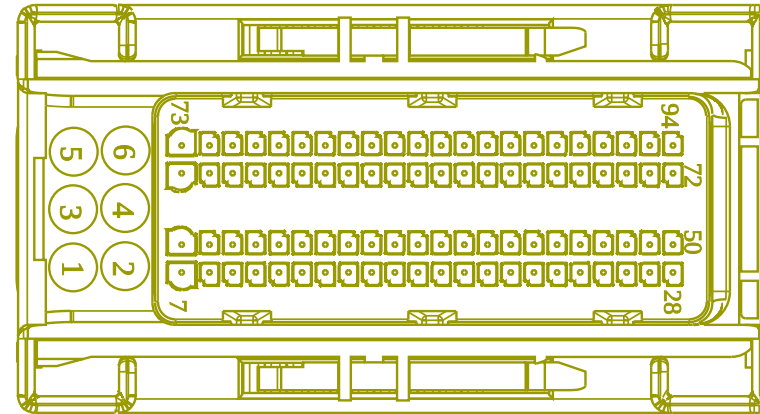
InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components

MatesMODU-VCU-A006-10-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
9	-	-	K97V	-	0.0	22.0	-	VIOLET	0.0	-	PIN1	-

Connector Name K03_6025
Part Number 4241464C1
Instances Air Governor Control:Diagram1
Ambient Temperature (No Display, Mirror Sensor, VCU):Diagram1
Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
Battery Management System (Post 05-2022) Option 1:Diagram1
Battery Management System (Post 05-2022) Option 2:Diagram1
Battery Management System (Pre 05-2022):Diagram1
Battery Thermal Management (W/VCU) BTMS:Diagram1
Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1
Coolant Level Monitoring (W/VCU):Diagram1
Coolant Temperature Monitoring (J1939 Comm, W/ VCU):Diagram1
Cranking (W/VCU):Diagram1
Drive Mode Selector I/O (W/VCU):Diagram1
Engine Speed (Tachometer, W/VCU):Diagram1
eVehicle Charging (W/VCU) Onboard Charging Modules:Diagram1
Height Control (W/VCU):Diagram1
High-Voltage Interlock:Diagram1
High-Voltage Monitor:Diagram1
HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC:HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1
Odometer (W/VCU):Diagram1
Park Brake Controls (W/VCU):Diagram1
Power Electronics Coolant Temperature Monitoring:Diagram1
Powertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)
Propulsion Coolant Temperature Monitoring (W/VCU):Diagram1
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Regenerative Braking (W/VCU):Diagram1
Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1
Theft Deterrent (Standard, J1939 Mux SW, W/VCU):Diagram1
Traction Control (Bendix, VCU):Diagram1
Trip Odometer (W/VCU):Diagram1
Vehicle Acceleration (Wired to VCU):Diagram1



Vehicle Control Unit (VCU):Diagram1
Vehicle Control Unit (VCU):Diagram2
Vehicle Sound Generator:Diagram1
Vehicle Speed Control (Cruise Control) (Steering Wheel
Controls, W/VCU):Diagram1

Mates

MODU-VCU-A006-10-01

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K14E	-	0.0	16.0	-	RED	0.0	-	PIN1	-
2	-	-	K10F	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
3	-	-	K14F	-	0.0	16.0	-	RED	0.0	-	PIN1	-
4	-	-	K10G	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
5	-	-	K14G	-	0.0	16.0	-	RED	0.0	-	PIN1	-
6	-	-	K10H	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
7	-	-	K97W	-	0.0	18.0	-	VIOLET	0.0	-	-	-
7	-	-	K97W	-	0.0	18.0	-	VIOLET	0.0	-	G	K03_6090
8	-	-	K97AE	-	0.0	22.0	-	VIOLET	0.0	-	-	-
8	-	-	K97AE	-	0.0	22.0	-	VIOLET	0.0	-	K	K03_6090
9	-	-	K6G	-	0.0	22.0	-	GREY	0.0	-	-	-
18	-	-	K97E	2645627 R1	0.35	22.0	Thin Wall XLPE Primary Cable	VIOLET	0.0	-	PIN1	-
18	-	-	K97E	2645627 R1	0.35	22.0	Thin Wall XLPE Primary Cable	VIOLET	0.0	-	-	-
19	-	-	K6G	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
19	-	-	K97V	-	0.0	22.0	-	VIOLET	0.0	-	-	-
23	-	-	K9FF	-	0.0	22.0	-	GREY	0.0	-	-	-
23	-	-	K9FF	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
24	-	-	K13H	-	0.0	22.0	-	PINK	0.0	-	PIN1	-
29	-	-	K97AJ	-	0.0	18.0	-	VIOLET	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
29	-	-	K97AJ	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
31	-	-	K39E	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
31	-	-	K39E	-	0.0	22.0	-	GREY	0.0	-	-	-
35	-	-	K101A	-	0.0	22.0	-	GREY	0.0	-	-	-
35	-	-	K101A	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
36	-	-	K19B	-	0.0	22.0	-	GREY	0.0	-	-	-
36	-	-	K19B	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
38	-	-	K41A	2645624 R1	0.35	22.0	Thin Wall XLPE Primary Cable	TAN	0.0	-	PIN1	-
38	-	-	K41A	2645624 R1	0.35	22.0	Thin Wall XLPE Primary Cable	TAN	0.0	-	-	-
40	-	-	K32A	-	0.0	22.0	-	TAN	0.0	-	D	K03_6090
42	-	-	K36BB	-	0.0	22.0	-	TAN	0.0	-	-	-
42	-	-	K36BB	-	0.0	22.0	-	TAN	0.0	-	PIN1	-
43	-	-	K34AA	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
45	-	-	K36AA	-	0.0	22.0	-	TAN	0.0	-	PIN1	-
46	-	-	K9GG	-	0.0	22.0	-	GREY	0.0	-	-	-
46	-	-	K9GG	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
47	-	-	K97C	-	0.0	22.0	-	VIOLET	0.0	-	PIN1	-
47	-	-	K97C	-	0.0	22.0	-	VIOLET	0.0	-	-	-
51	-	-	K97AF	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
52	-	-	K19C	-	0.0	22.0	-	GREY	0.0	-	-	-
52	-	-	K19C	-	0.0	22.0	-	GREY	0.0	-	N	K03_6090
53	-	-	K6N	-	0.0	22.0	-	ORANGE	0.0	-	-	-
53	-	-	K6N	-	0.0	22.0	-	ORANGE	0.0	-	PIN1	-
57	-	-	K19D	-	0.0	22.0	-	GREY	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
57	-	-	K19D	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
58	-	-	K19A	-	0.0	22.0	-	ORANGE	0.0	-	PIN1	-
60	-	-	K19E	-	0.0	22.0	-	GREY	0.0	-	P	K03_6090
63	-	-	K34BB	-	0.0	22.0	-	TAN	0.0	-	-	-
63	-	-	K34BB	-	0.0	22.0	-	TAN	0.0	-	PIN1	-
64	-	-	K29B	-	0.0	22.0	-	TAN	0.0	-	PIN1	-
64	-	-	K29B	-	0.0	22.0	-	TAN	0.0	-	-	-
65	-	-	K101B	-	0.0	22.0	-	GREY	0.0	-	-	-
65	-	-	K101B	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
66	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	WIRE775 761	-	0.0	-	-	-	0.0	-	PIN1	-
67	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	WIRE775 651	-	0.0	-	-	-	0.0	-	PIN1	-
68	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	WIRE775 910	-	0.0	-	-	-	0.0	-	PIN1	-
69	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	WIRE775 564	-	0.0	-	-	-	0.0	-	PIN1	-
70	-	-	K193J	-	0.0	22.0	-	GREY	0.0	-	-	-
70	-	-	K193J	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
72	-	-	K97B	-	0.0	22.0	-	VIOLET	0.0	-	PIN1	-
72	-	-	K97B	-	0.0	22.0	-	VIOLET	0.0	-	-	-
73	-	-	K97U	-	0.0	20.0	-	VIOLET	0.0	-	PIN1	-
73	-	-	K97U	-	0.0	20.0	-	VIOLET	0.0	-	-	-
76	-	-	K92A	-	0.0	22.0	-	TAN	0.0	-	PIN1	-
76	-	-	K92A	-	0.0	22.0	-	TAN	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
77	-	-	K99B	2645627 R1	0.35	22.0	Thin Wall XLPE Primary Cable	VIOLET	0.0	-	PIN1	-
77	-	-	K99B	2645627 R1	0.35	22.0	Thin Wall XLPE Primary Cable	VIOLET	0.0	-	-	-
78	-	-	K99A	-	0.0	22.0	-	VIOLET	0.0	-	PIN1	-
78	-	-	K99A	-	0.0	22.0	-	VIOLET	0.0	-	-	-
79	-	-	K9D	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
79	-	-	K9D	-	0.0	22.0	-	GREY	0.0	-	-	-
81	-	-	K97AG	-	0.0	22.0	-	VIOLET	0.0	-	-	-
81	-	-	K97AG	-	0.0	22.0	-	VIOLET	0.0	-	PIN1	-
86	-	-	K71A	-	0.0	22.0	-	PINK	0.0	-	PIN1	-
86	-	-	K71A	-	0.0	22.0	-	PINK	0.0	-	-	-
88	-	-	-	-	-	-	-	-	-	-	-	-
88	-	-	WIRE775 762	-	0.0	-	-	-	0.0	-	PIN1	-
89	-	-	-	-	-	-	-	-	-	-	-	-
89	-	-	WIRE775 652	-	0.0	-	-	-	0.0	-	PIN1	-
90	-	-	-	-	-	-	-	-	-	-	-	-
90	-	-	WIRE775 911	-	0.0	-	-	-	0.0	-	PIN1	-
91	-	-	-	-	-	-	-	-	-	-	-	-
91	-	-	WIRE775 567	-	0.0	-	-	-	0.0	-	PIN1	-
94	-	-	K97D	2645627 R1	0.35	22.0	Thin Wall XLPE Primary Cable	VIOLET	0.0	-	PIN1	-

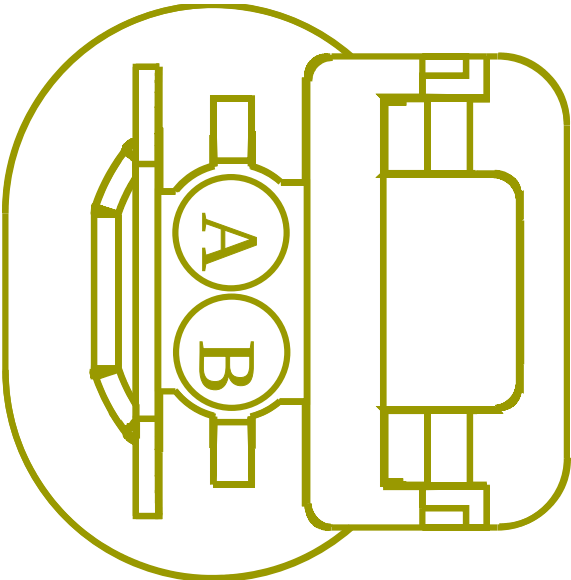
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
94	-	-	K97D	2645627 R1	0.35	22.0	Thin Wall XLPE Primary Cable	VIOLET	0.0	-	-	-

Connector NameK03_6026

Part Number4173578C1

InstancesHV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC

MatesTerminatin Resistor



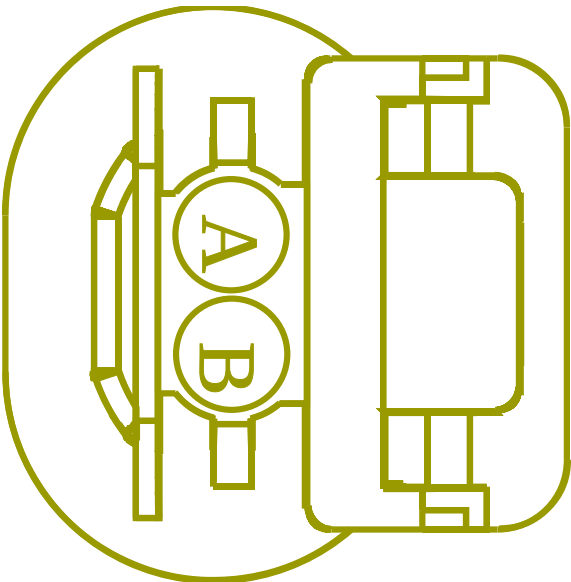
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775 646	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE775 645	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK03_6027

Part Number4173578C1

InstancesHV Power J1939 (500Kbps):HV Power J1939 (500Kbps)

MatesTERMINATING RESISTOR



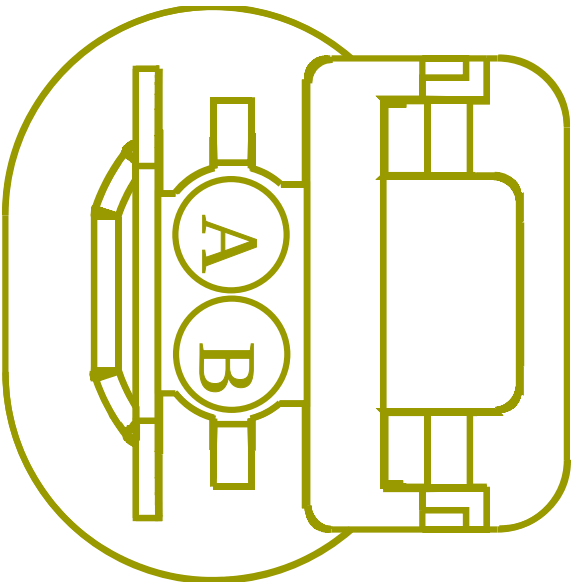
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775769	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE775770	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK03_6028

Part Number4173578C1

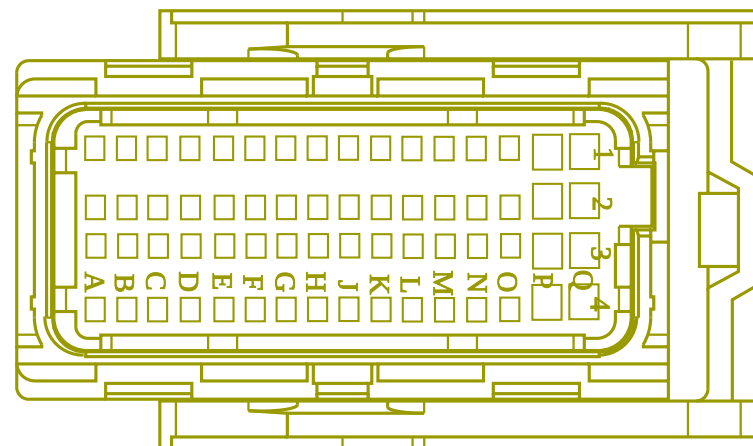
InstancesPowertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)

MatesTerminating Resistor



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775553	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE775562	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name K03_6030
Part Number 4243360C1
Instances Battery Management System (Post 05-2022) Option 2:Diagram1
Battery Management System (Post 05-2022) Option 2:Diagram2
Battery Management System (Pre 05-2022):Diagram1
Battery Management System (Pre 05-2022):Diagram2
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Mates DEV-SCU-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A1	-	-	K97T	-	0.0	0.5A	-	VIOLET	0.0	-	PIN1	-
B2	-	-	K97L	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
C1	-	-	-	-	-	-	-	-	-	-	-	-
C1	-	-	WIRE775 848	-	0.0	-	-	-	0.0	-	PIN1	-
C2	-	-	-	-	-	-	-	-	-	-	-	-
C2	-	-	WIRE775 774	-	0.0	-	-	-	0.0	-	PIN1	-
D1	-	-	-	-	-	-	-	-	-	-	-	-
D1	-	-	WIRE775 849	-	0.0	-	-	-	0.0	-	PIN1	-
D2	-	-	-	-	-	-	-	-	-	-	-	-
D2	-	-	WIRE775 773	-	0.0	-	-	-	0.0	-	PIN1	-
J1	-	-	K10S	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-
J2	-	-	K10J	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-

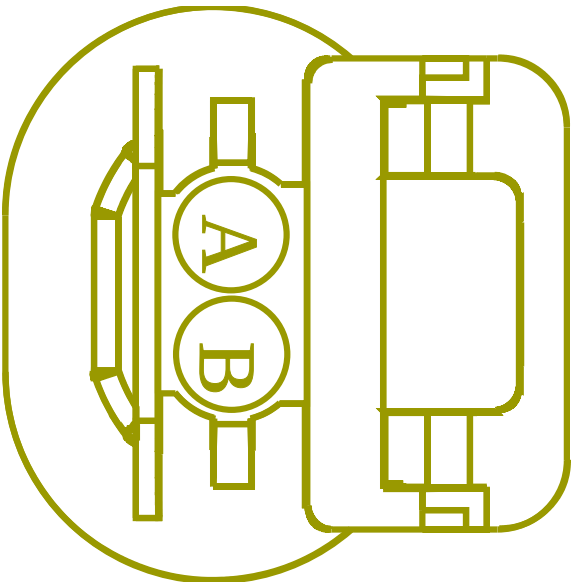
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
K1	-	-	K14H	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
K2	-	-	K14K	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
K4	-	-	K97F	-	0.0	0.5A	-	VIOLET	0.0	-	PIN1	-
L1	-	-	K14J	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
L2	-	-	K14L	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
L4	-	-	K97GG	-	0.0	0.5A	-	VIOLET	0.0	-	PIN1	-
M2	-	-	K10P	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-
M3	-	-	K10K	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-
M4	-	-	K10M	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-
P2	-	-	K97J	-	0.0	16.0	-	VIOLET	0.0	-	B	K03_6091
P3	-	-	K10L	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
P4	-	-	K10N	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
Q1	-	-	K97R	-	0.0	16.0	-	PINK	0.0	-	7	K03_6050
Q2	-	-	K97K	-	0.0	16.0	-	PINK	0.0	-	M	K03_6090

Connector NameK03_6031

Part Number4173578C1

InstancesCab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)

MatesTerminating Resistor



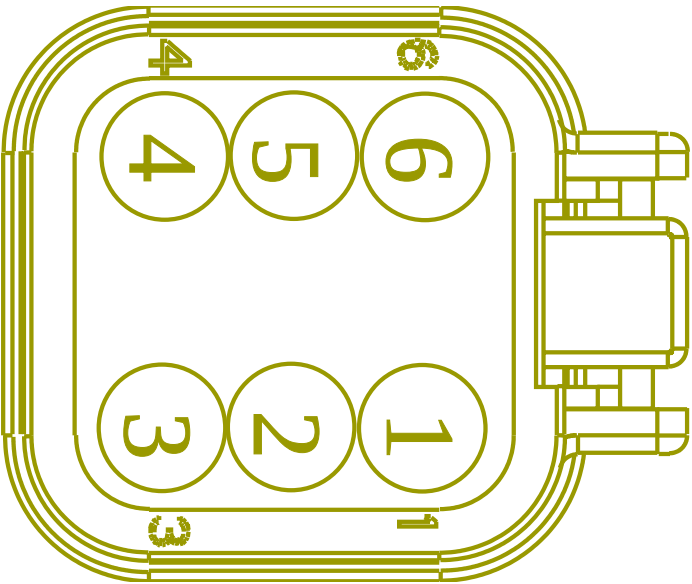
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775525	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE775524	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK03_6035

Part Number3572899C1

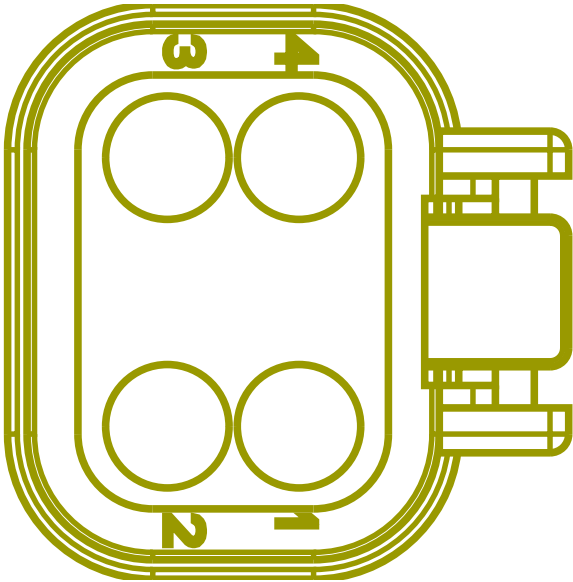
InstancesHV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter):Diagram1

MatesDEV-QX_INVERTER-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	WIRE775 640	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	WIRE775 639	-	0.0	-	-	-	0.0	-	PIN1	-
3	-	-	K13AC	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
4	-	-	K11T	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name K03_6036
Part Number 3991593C1
Instances Charge Port Monitoring OCI System:Diagram1
Mates DEV-VCU_IGN_DIODE-01



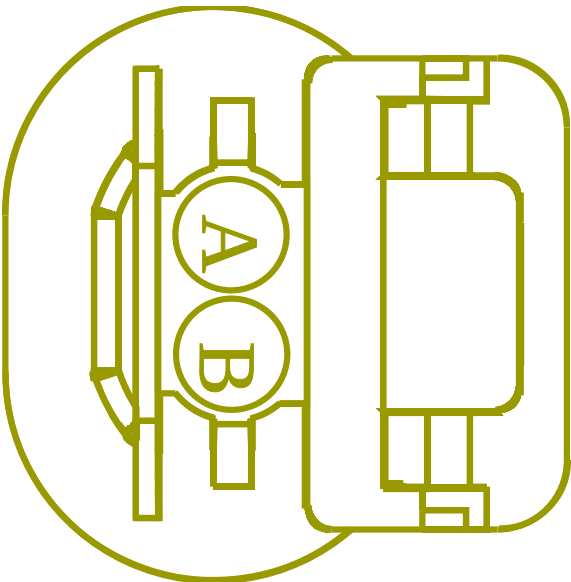
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	K13D	-	0.0	18.0	-	PINK	0.0	-	4	K03_6055
3	-	-	K97H	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	2	K03_1702
4	-	-	K13HH	-	0.0	18.0	-	PINK	0.0	-	-	-

Connector NameK03_6037

Part Number4173578C1

InstancesBattery Management System (Post 05-2022) Option 2:Diagram2
Battery Management System (Pre 05-2022):Diagram2

MatesDEV-AC_POS_RESISTOR-01



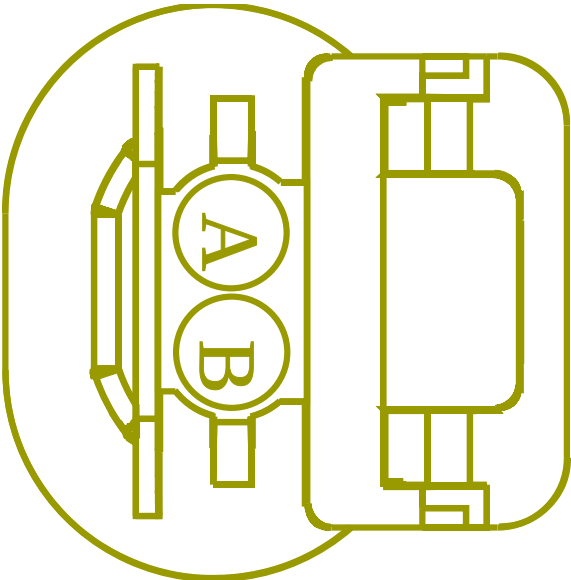
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K97M	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	K11C	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK03_6038

Part Number4173578C1

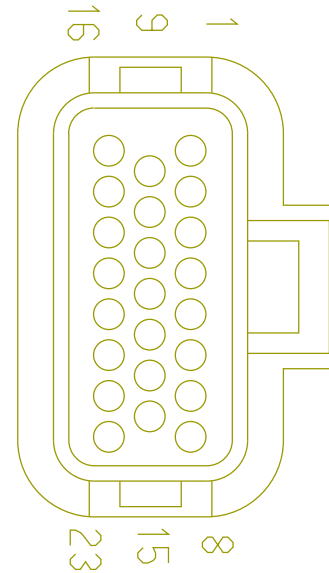
InstancesBattery Management System (Post 05-2022) Option 2:Diagram2
Battery Management System (Pre 05-2022):Diagram2

MatesDEV-AC_NEG_RESISTOR-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K97N	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	K11B	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name K03_6041
Part Number 3677559C1
Instances eVehicle Charging (W/VCU) Onboard Charging
Modules:Diagram1
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Mates DEV-OBC1_BOTTOM-01



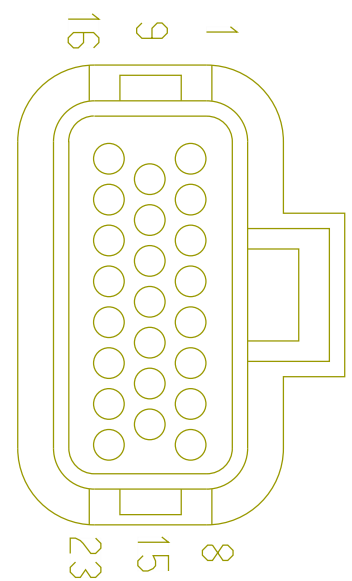
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
4	-	-	K13P	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
7	-	-	K13Q	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
8	-	-	K11E	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
11	-	-	K98C	-	0.0	18.0	-	BLACK	0.0	-	12	K03_6041
12	-	-	K98C	-	0.0	18.0	-	BLACK	0.0	-	11	K03_6041
13	-	-	K11F	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
14	-	-	K11G	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
15	-	-	K11H	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
22	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	WIRE775758	-	0.0	-	-	-	0.0	-	PIN1	-
23	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	WIRE775755	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK03_6042

Part Number3677559C1

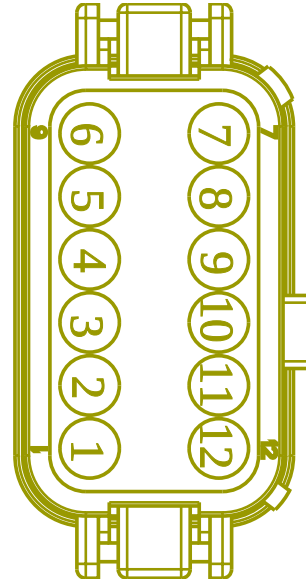
InstancesHV Power J1939 (500Kbps):HV Power J1939 (500Kbps)

MatesDEV-OBC2_TOP-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
22	-	-	WIRE775757	-	0.0	-	-	-	0.0	-	PIN1	-
23	-	-	WIRE775756	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name K03_6050
Part Number 3601923C1
Instances Battery Management System (Post 05-2022) Option 2:Diagram2
Battery Management System (Pre 05-2022):Diagram2
Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components
High-Voltage Distribution Unit (HVDU):Diagram1
High-Voltage Interlock:Diagram1
Mates DEV-HVDU-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K193D	-	0.0	18.0	-	GREY	0.0	-	-	-
1	-	-	K193D	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
2	-	-	K11D	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
2	-	-	K11D	-	0.0	16.0	-	WHITE	0.0	-	-	-
3	-	-	K19DD	-	0.0	18.0	-	GREY	0.0	-	-	-
3	-	-	K19DD	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
4	-	-	K19BB	-	0.0	18.0	-	GREY	0.0	-	-	-
4	-	-	K19BB	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
5	-	-	K14Z	-	0.0	18.0	-	RED	0.0	-	PIN1	-
6	-	-	K14Y	-	0.0	18.0	-	RED	0.0	-	PIN1	-
7	-	-	K97R	-	0.0	16.0	-	PINK	0.0	-	Q1	K03_6030
7	-	-	K97R	-	0.0	16.0	-	PINK	0.0	-	-	-
8	-	-	K13E	-	0.0	18.0	-	GREY	0.0	-	9	K03_6050
9	-	-	K13E	-	0.0	18.0	-	GREY	0.0	-	8	K03_6050
10	-	-	K14M	-	0.0	18.0	-	RED	0.0	-	PIN1	-

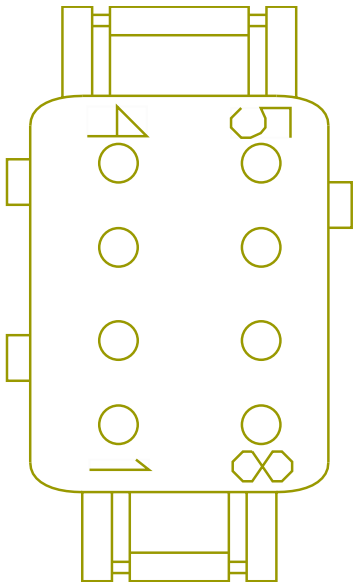
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
10	-	-	K14M	-	0.0	18.0	-	RED	0.0	-	-	-
11	-	-	K97Q	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
11	-	-	K97Q	-	0.0	18.0	-	VIOLET	0.0	-	-	-
12	-	-	K97P	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
12	-	-	K97P	-	0.0	18.0	-	VIOLET	0.0	-	-	-

Connector NameK03_6055

Part Number3539139C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Powertrain Ground Distribution:Diagram1

MatesP03_6055



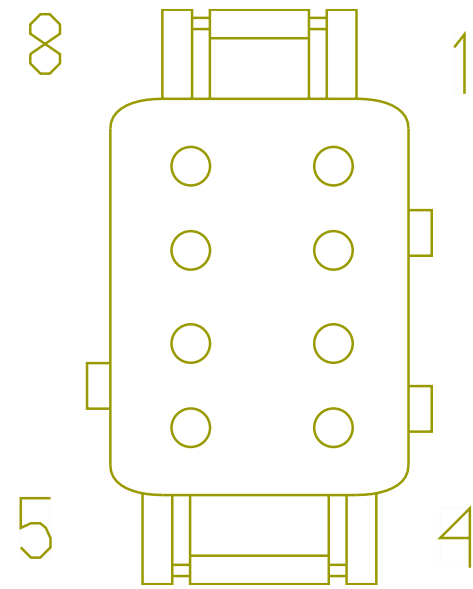
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE775 754	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	WIRE775 753	-	0.0	-	-	-	0.0	-	PIN1	-
3	-	-	K10Q	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
5	-	-	K14P	-	0.0	16.0	-	RED	0.0	-	PIN1	-
6	-	-	OCI_CHS S_GND	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK03_6055

Part Number3989894C1

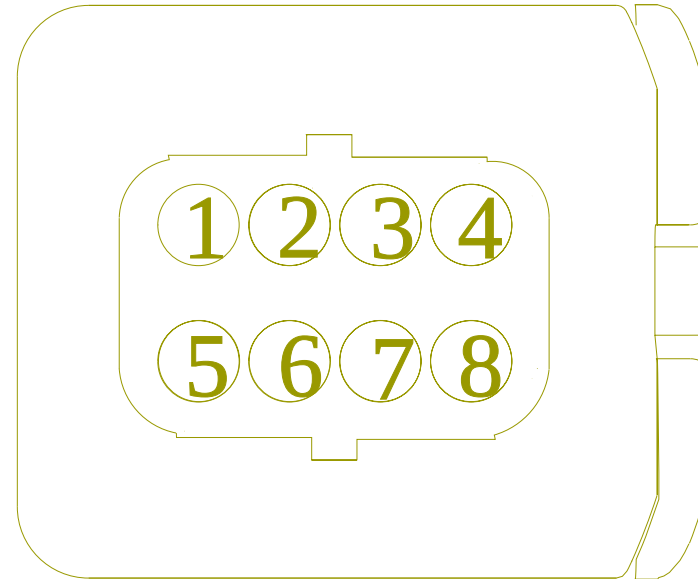
InstancesCharge Port Monitoring OCI System:Diagram1

MatesP03_6055



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
4	-	-	K13D	-	0.0	18.0	-	PINK	0.0	-	2	K03_6036
5	-	-	K14P	-	0.0	16.0	-	RED	0.0	-	PIN1	-

Connector Name K03_6057
Part Number 6132203C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC
HV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
Mates DEV-RADIATOR_MODULE-01



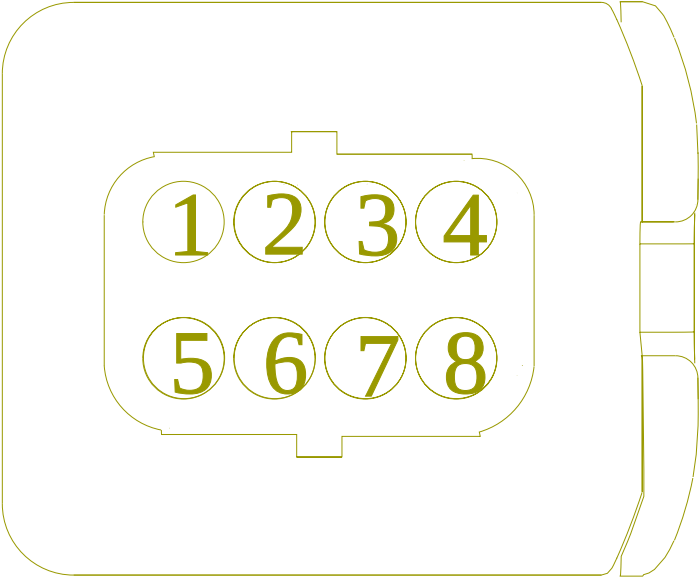
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	WIRE775 644	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	WIRE775 643	-	0.0	-	-	-	0.0	-	PIN1	-
4	-	-	K13AB	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
5	-	-	WIRE775 527	-	0.0	-	-	-	0.0	-	PIN1	-
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	WIRE775 526	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	K10R	-	0.0	18.0	-	WHITE	0.0	-	-	-
8	-	-	K11S	-	0.0	18.0	-	WHITE	0.0	-	-	-

Connector NameK03_6058

Part Number6132203C1

InstancesBattery Thermal Management (W/VCU) BTMS:Diagram1
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)

MatesDEV-BTMS-01

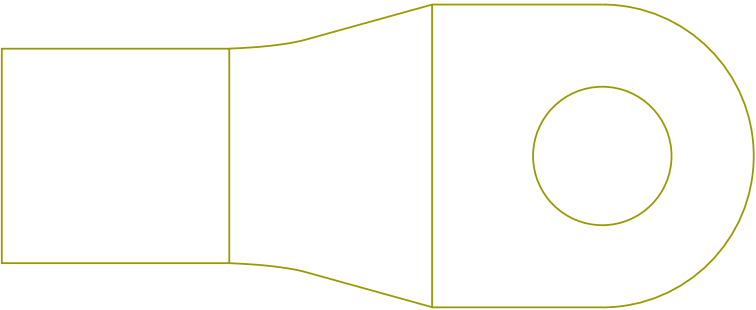


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	K13A	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
3	-	-	WIRE775752	-	0.0	-	-	-	0.0	-	PIN1	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	WIRE775751	-	0.0	-	-	-	0.0	-	PIN1	-
4	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	K10A	-	0.0	18.0	-	WHITE	0.0	-	-	-

Connector NameK03_6059A

Part Number2241337C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)



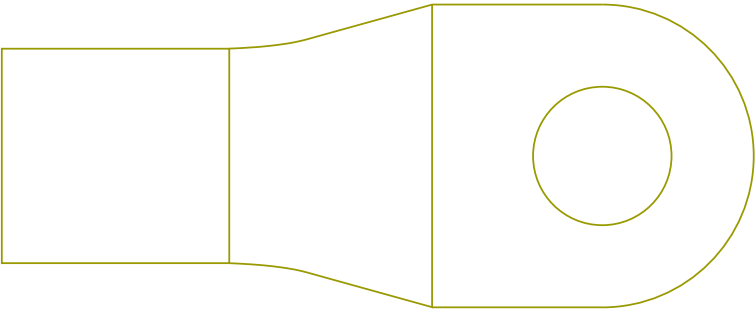
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K14A	2645964 R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	K03_PDM2

Connector NameK03_6059A

Part Number2241628C1

InstancesBattery Thermal Management (W/VCU) BTMS:Diagram1

MatesDEV-BTMS-01



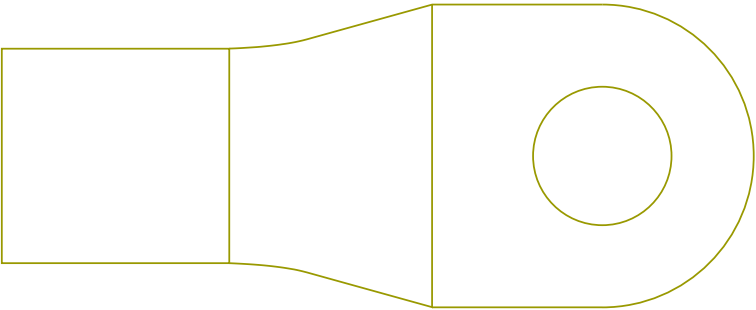
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K14A	2645964 R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	-	-

Connector NameK03_6059B

Part Number2241627C1

InstancesBattery Thermal Management (W/VCU) BTMS:Diagram1

MatesDEV-BTMS-01



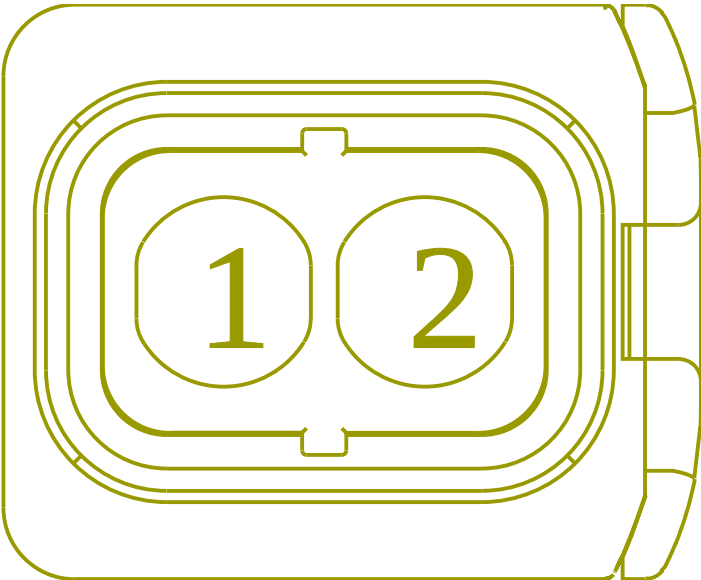
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K11A	-	0.0	4.0	-	WHITE	0.0	-	A	3G

Connector NameK03_6060

Part Number4110039C1

InstancesHigh-Voltage Interlock:Diagram1

MatesDEV-MSD1_HVIL-01



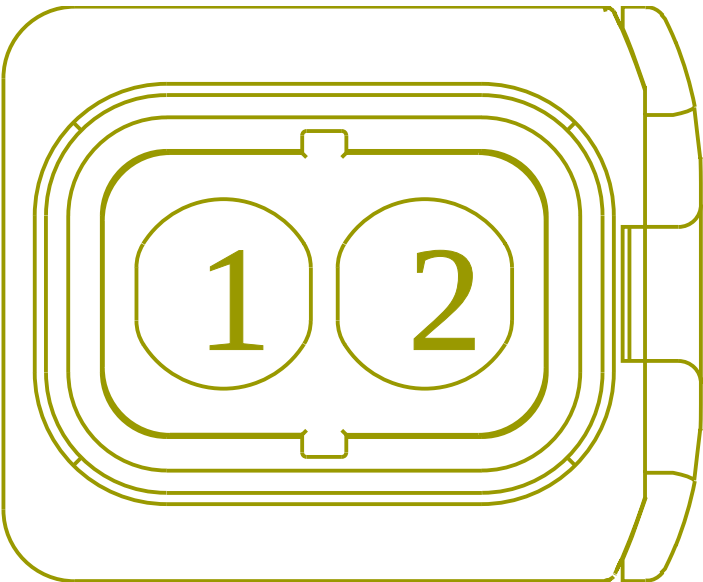
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	K193A	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
2	-	-	K193B	-	0.0	18.0	-	GREY	0.0	-	1	K03_6070

Connector NameK03_6070

Part Number4110039C1

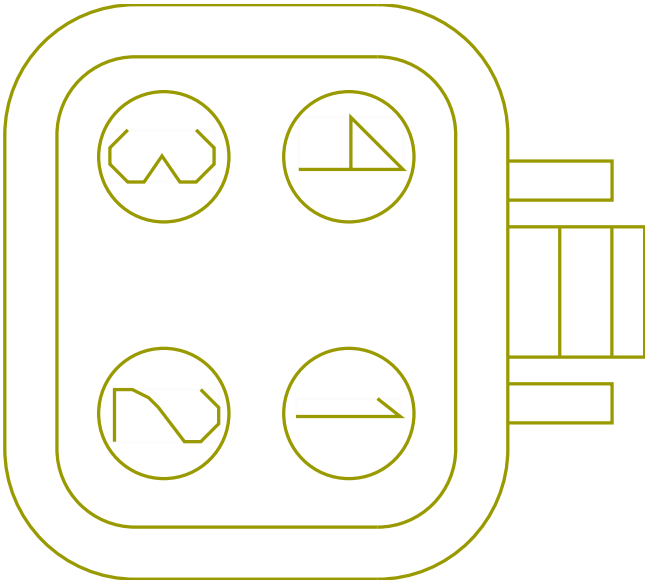
InstancesHigh-Voltage Interlock:Diagram1

MatesDEV-MSD2_HVIL-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	K193B	-	0.0	18.0	-	GREY	0.0	-	2	K03_6060
2	-	-	K193C	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

Connector Name K03_6071
Part Number 3601743C1
Instances Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components
Mates DEV-CABIN_HEATER_PUMP-01



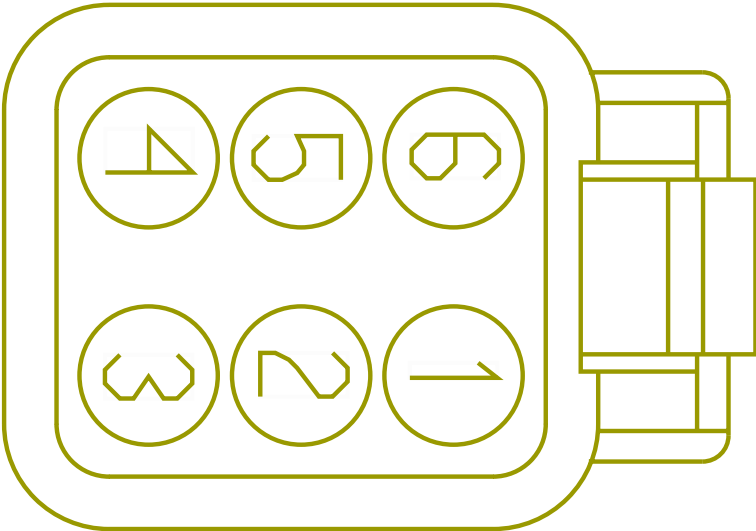
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K98A	-	0.0	14.0	-	BLACK	0.0	-	PIN1	-
2	-	-	K74A-G	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
3	-	-	K74B	-	0.0	12.0	-	RED	0.0	-	-	-
4	-	-	K47A	-	0.0	14.0	-	PINK	0.0	-	PIN1	-

Connector NameK03_6072

Part Number3579124C1

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components
HV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC

MatesDEV-CABIN_HEATER_PUMP-01



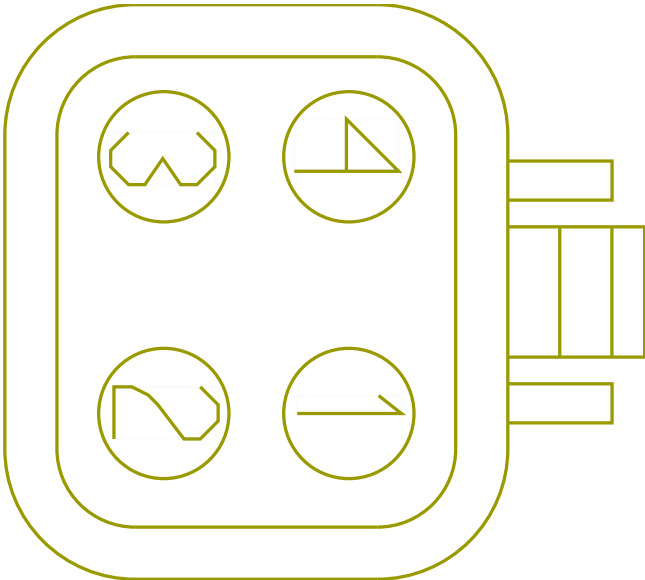
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	WIRE775 612	-	0.0	-	-	-	0.0	-	PIN1	-
3	-	-	K98AB	-	0.0	18.0	-	BLACK	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	WIRE775 621	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK03_6073

Part Number3557533C1

InstancesPower Electronics Coolant Temperature Monitoring:Diagram1

MatesDEV-MEDIUM_TEMP_PUMP-01



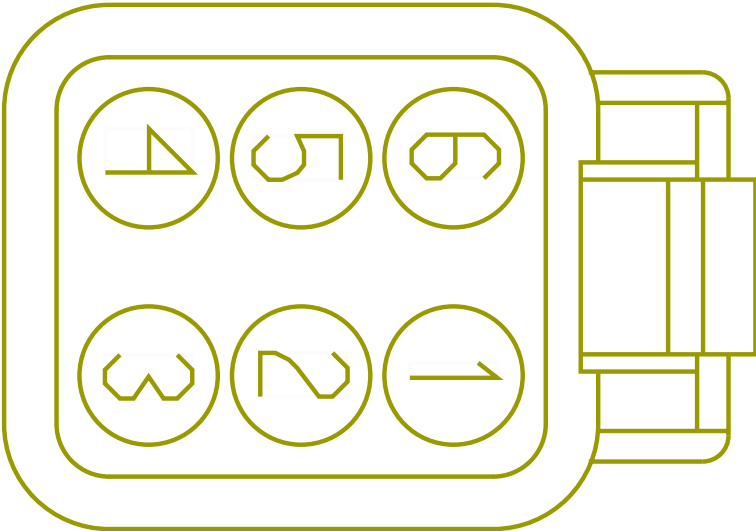
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	K74B-G	-	0.0	12.0	-	WHITE	0.0	-	-	-
3	-	-	K74C	-	0.0	12.0	-	LIGHT GREEN	0.0	-	-	-
4	-	-	K74D	-	0.0	12.0	-	LIGHT GREEN	0.0	-	PIN1	-

Connector NameK03_6074

Part Number3579124C1

InstancesHV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
Power Electronics Coolant Temperature Monitoring:Diagram1

MatesDEV-MEDIUM_TEMP_PUMP-01



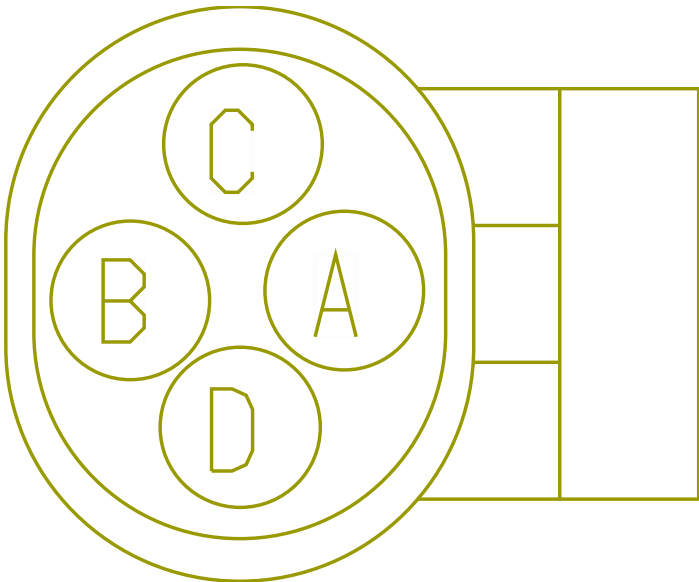
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	WIRE775634	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	WIRE775633	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK03_6076

Part Number1673746C1

InstancesCoolant Level Monitoring (W/VCU):Diagram1

MatesDEV-MEDIUM_TEMP_COOLANT_SE NSOR-01



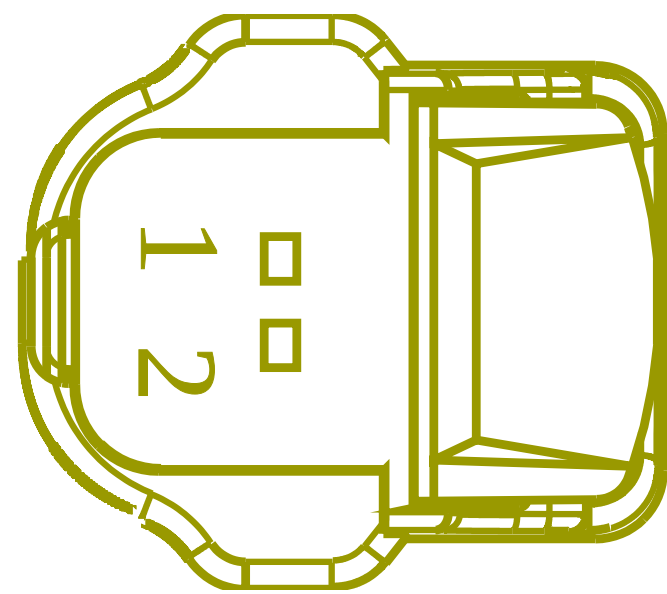
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
A	-	-	K36A	-	0.0	18.0	-	TAN	0.0	-	-	-
B	-	-	K9F	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
C	-	-	K13L	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
D	-	-	K36B	-	0.0	18.0	-	TAN	0.0	-	PIN1	-

Connector NameK03_6078

Part Number4243365C1

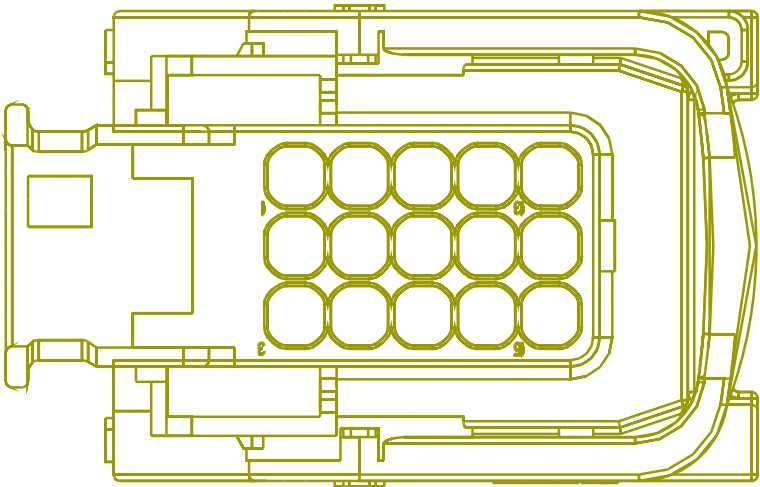
InstancesPropulsion Coolant Temperature Monitoring (W/VCU):Diagram1

MatesDEV-MT_TEMP_SENSOR-01



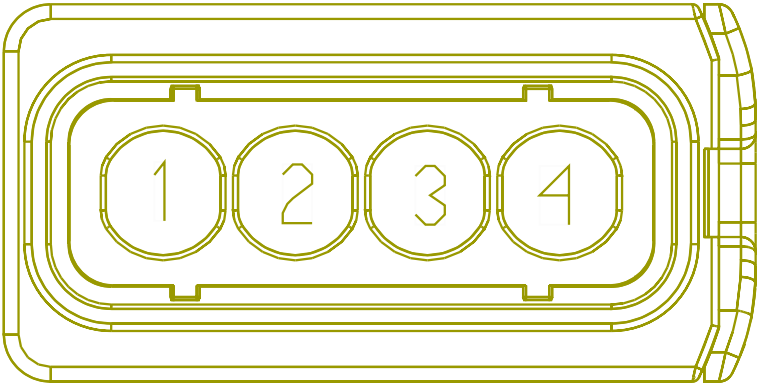
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K6C	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
2	-	-	K29BB	-	0.0	18.0	-	TAN	0.0	-	PIN1	-

Connector Name K03_6081
Part Number 6113341C1
Instances VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
 and Underhood PDM (PDM 2)
Mates CP-B1-K03-3D



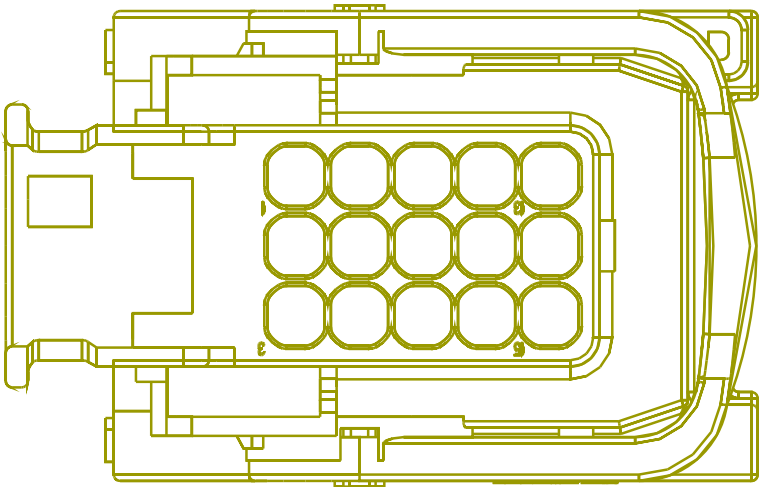
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K23T	-	0.0	14.0	-	ORANGE	0.0	-	-	-
4	-	-	K14W	-	0.0	16.0	-	RED	0.0	-	-	-
7	-	-	K14X	-	0.0	16.0	-	RED	0.0	-	-	-

Connector Name K03_6082
Part Number 6113338C1
Instances VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
 and Underhood PDM (PDM 2)
Mates CP-B1-K03-2E



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K74B	-	0.0	12.0	-	RED	0.0	-	-	-

Connector Name K03_6083
Part Number 6113341C1
Instances (PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU
 Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
 VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
 and Underhood PDM (PDM 2)
Mates CP-B2-K03-3F



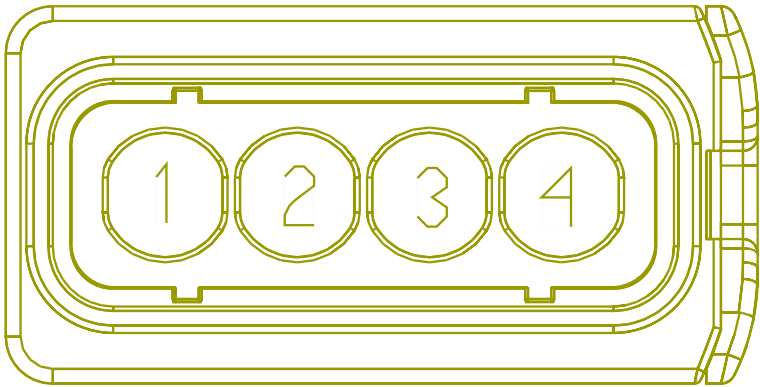
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K14Q	-	0.0	16.0	-	RED	0.0	-	-	-
4	-	-	K14R	-	0.0	16.0	-	RED	0.0	-	-	-
7	-	-	K14S	-	0.0	16.0	-	RED	0.0	-	PIN1	-
7	-	-	K14S	-	0.0	16.0	-	RED	0.0	-	-	-

Connector NameK03_6084

Part Number6113338C1

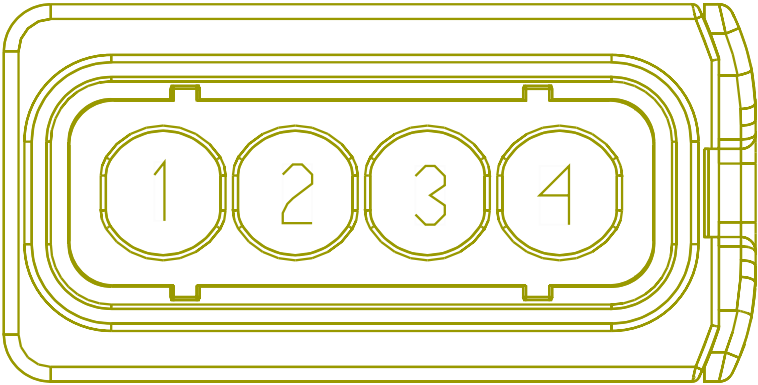
Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesCP-B2-K03-2C



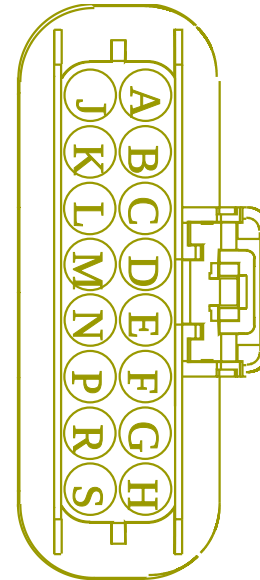
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K14T	-	0.0	10.0	-	RED	0.0	-	-	-
2	-	-	K14U	-	0.0	12.0	-	RED	0.0	-	PIN1	-
2	-	-	K14U	-	0.0	12.0	-	RED	0.0	-	-	-
3	-	-	K74C	-	0.0	12.0	-	LIGHT GREEN	0.0	-	-	-

Connector Name K03_6084
Part Number 6113338C1
Instances VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
 and Underhood PDM (PDM 2)
Mates CP-B2-K03-2E



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K14T	-	0.0	10.0	-	RED	0.0	-	-	-

Connector Name K03_6090
Part Number 3580539C1
Instances HV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Mates P02_6090



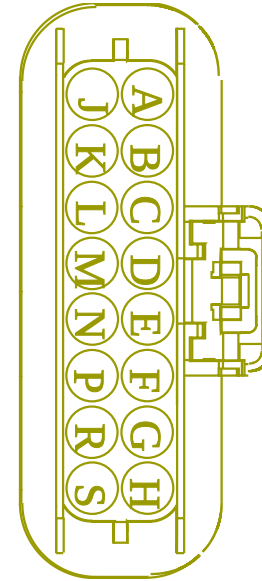
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775 638	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE775 637	-	0.0	-	-	-	0.0	-	PIN1	-
E	-	-	WIRE775 845	-	0.0	-	-	-	0.0	-	PIN1	-
F	-	-	WIRE775 846	-	0.0	-	-	-	0.0	-	PIN1	-
R	-	-	WIRE775 763	-	0.0	-	-	-	0.0	-	PIN1	-
S	-	-	WIRE775 764	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name K03_6090

Part Number 3580539C1

Instances Battery Management System (Post 05-2022) Option 2:Diagram1
 Battery Management System (Post 05-2022) Option 2:Diagram2
 Battery Management System (Pre 05-2022):Diagram1
 Battery Management System (Pre 05-2022):Diagram2
 Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1
 High-Voltage Distribution Module (HVDM):Diagram1
 High-Voltage Interlock:Diagram1
 Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1
 Vehicle Control Unit (VCU):Diagram1

Mates P02_6090



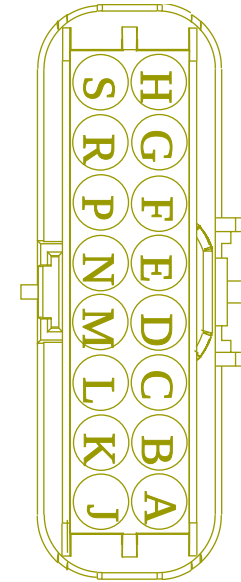
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	K193H	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
D	-	-	K32A	-	0.0	22.0	-	TAN	0.0	-	40	K03_6025
G	-	-	K97W	-	0.0	18.0	-	VIOLET	0.0	-	7	K03_6025
H	-	-	K13K	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
J	-	-	K97S	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
K	-	-	K97AE	-	0.0	22.0	-	VIOLET	0.0	-	8	K03_6025
L	-	-	K13J	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
M	-	-	K97K	-	0.0	16.0	-	PINK	0.0	-	Q2	K03_6030
N	-	-	K19C	-	0.0	22.0	-	GREY	0.0	-	52	K03_6025
P	-	-	K19E	-	0.0	22.0	-	GREY	0.0	-	60	K03_6025

Connector Name K03_6091

Part Number 3580540C1

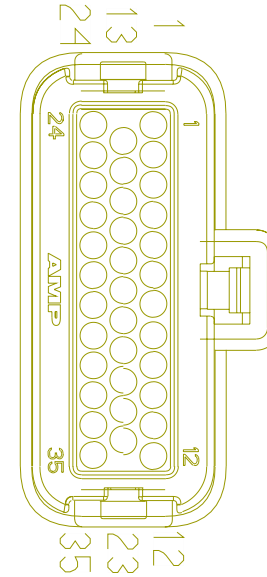
Instances Battery Management System (Post 05-2022) Option 2:Diagram1
 Battery Management System (Post 05-2022) Option 2:Diagram2
 Battery Management System (Pre 05-2022):Diagram1
 Battery Management System (Pre 05-2022):Diagram2
 Charging System (W/VCU) Dual DC/DC Converter W/ Power
 Solutions 0008WUC:Diagram1
 High-Voltage Interlock:Diagram1
 Hybrid Auxiliary Power Generator for HEV (DC/AC
 Inverter):Diagram1
 Powertrain Ground Distribution:Diagram1

Mates P02_6091



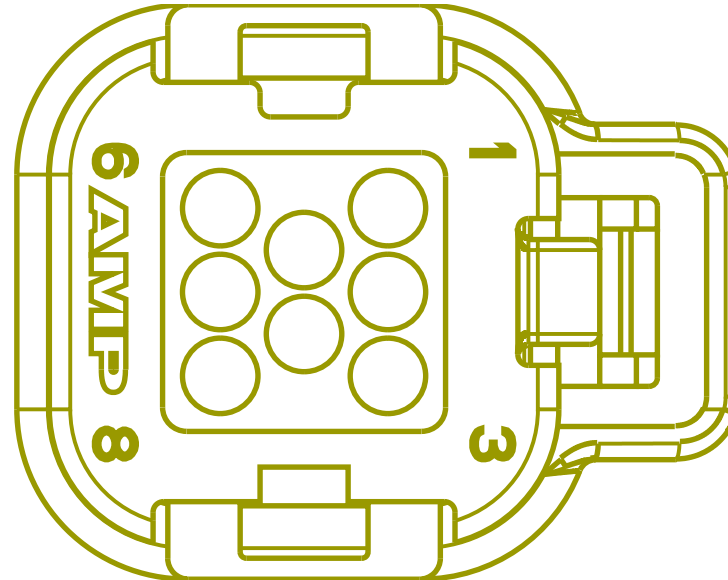
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B	-	-	K97J	-	0.0	16.0	-	VIOLET	0.0	-	P2	K03_6030
E	-	-	K14AA	-	0.0	12.0	-	RED	0.0	-	PIN1	-
F	-	-	K14W	-	0.0	16.0	-	RED	0.0	-	-	-
G	-	-	K14C	-	0.0	16.0	-	RED	0.0	-	2	K03_1703
H	-	-	K97G	-	0.0	20.0	-	VIOLET	0.0	-	PIN1	-
R	-	-	K11P	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
S	-	-	K11Q	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-

Connector Name K03_7000
Part Number 3685466C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components
Mates DEV-A/C_VFD_DRIVE-01



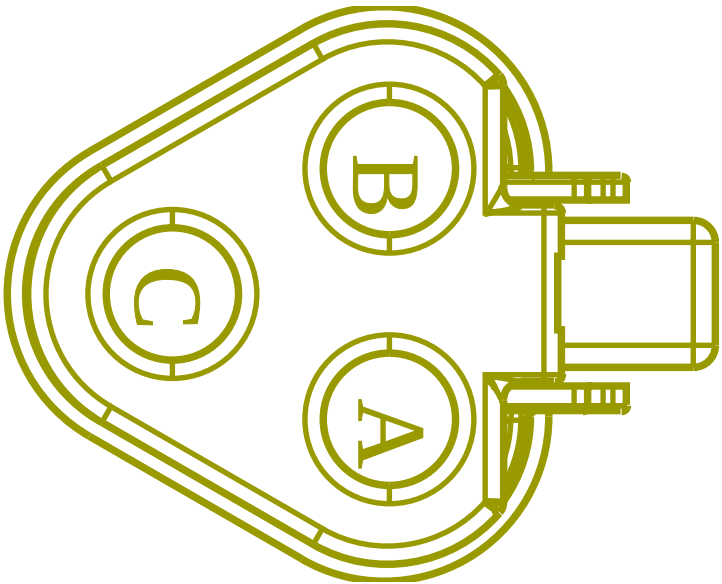
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
6	-	-	K23D	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
7	-	-	K23F	-	0.0	18.0	-	ORANGE	0.0	-	PIN1	-
8	-	-	K23E	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
9	-	-	K23H	-	0.0	18.0	-	ORANGE	0.0	-	PIN1	-
10	-	-	K23C	-	0.0	18.0	-	YELLOW 2	0.0	-	C	K03_7002
11	-	-	K23A	-	0.0	18.0	-	RED	0.0	-	A	K03_7002
12	-	-	K23B	-	0.0	18.0	-	BLACK	0.0	-	B	K03_7002
26	-	-	WIRE775 519	-	0.0	-	-	-	0.0	-	PIN1	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	WIRE775 518	-	0.0	-	-	-	0.0	-	PIN1	-
27	-	-	-	-	-	-	-	-	-	-	-	-

Connector Name K03_7001
Part Number 4243345C1
Instances Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components
High-Voltage Interlock:Diagram1
HV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
Mates DEV-HVDC_COOLANT_HEATER-01



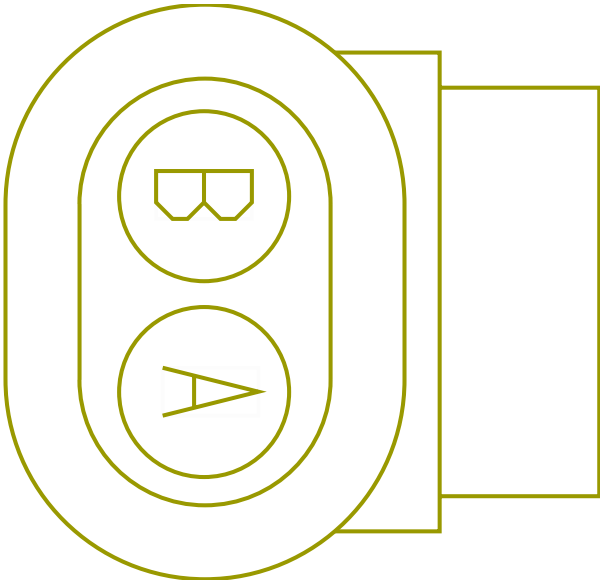
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K10V	-	0.0	18.0	-	RED	0.0	-	9	1702
2	-	-	K193L	-	0.0	18.0	-	RED	0.0	-	PIN1	-
3	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	WIRE775 627	-	0.0	-	-	-	0.0	-	PIN1	-
4	-	-	K6M	-	0.0	18.0	-	ORANGE	0.0	-	PIN1	-
5	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	WIRE775 619	-	0.0	-	-	-	0.0	-	PIN1	-
8	-	-	K10T	-	0.0	18.0	-	BLACK	0.0	-	-	-

Connector Name K03_7002
Part Number 4223352C1
Instances Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components
Mates DEV-A/C_VFD_DRIVE-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K23A	-	0.0	18.0	-	RED	0.0	-	11	K03_7000
B	-	-	K23B	-	0.0	18.0	-	BLACK	0.0	-	12	K03_7000
C	-	-	K23C	-	0.0	18.0	-	YELLOW 2	0.0	-	10	K03_7000

Connector Name K03_7004
Part Number 1661778C1
Instances Air Governor Control:Diagram1
Mates M01_9700



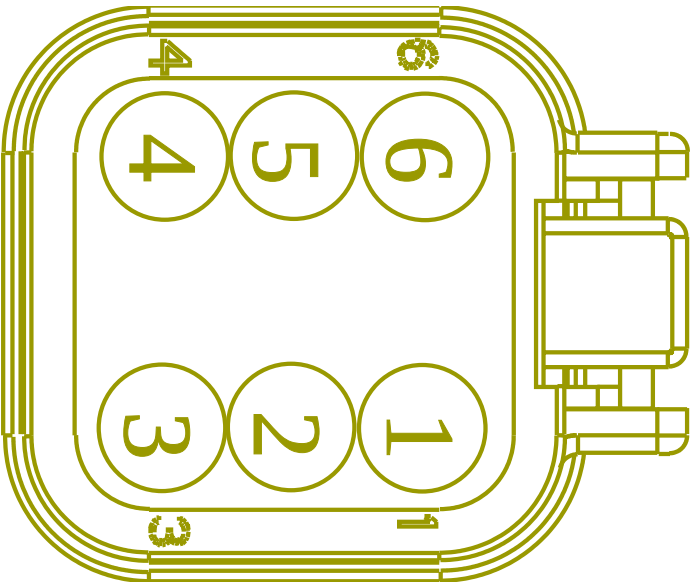
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K9B	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
B	-	-	K39EE	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

Connector NameK03_7005

Part Number3572899C1

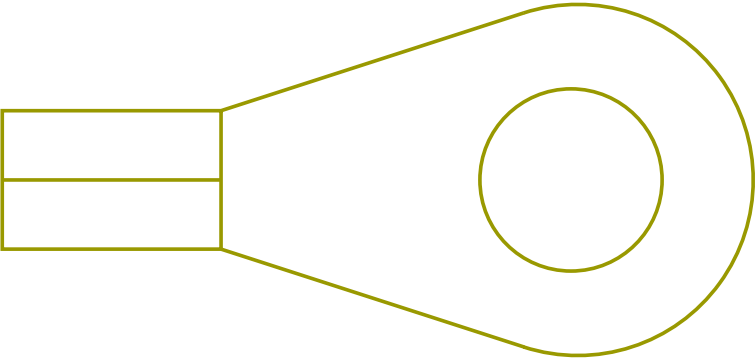
InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components

MatesDEV-DCDC_24V_CONVERTER-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K23R	-	0.0	16.0	-	ORANGE	0.0	-	PIN1	-
2	-	-	K23M	-	0.0	14.0	-	RED	0.0	-	1	1702
3	-	-	K23N	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-
4	-	-	K23L	-	0.0	14.0	-	ORANGE	0.0	-	PIN1	-
5	-	-	K23S	-	0.0	16.0	-	ORANGE	0.0	-	PIN1	-
6	-	-	K23P	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-

Connector Name K03_9300
Part Number 3762701C1
Instances Vehicle Control Unit (VCU):Diagram1



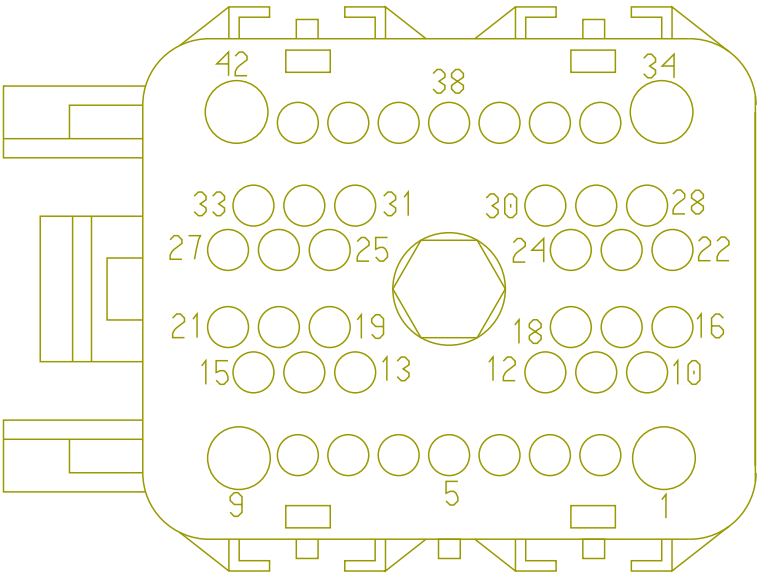
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K10C	-	0.0	10.0	-	WHITE	0.0	-	PIN1	-

Connector NameK07_1702

Part Number3595620C1

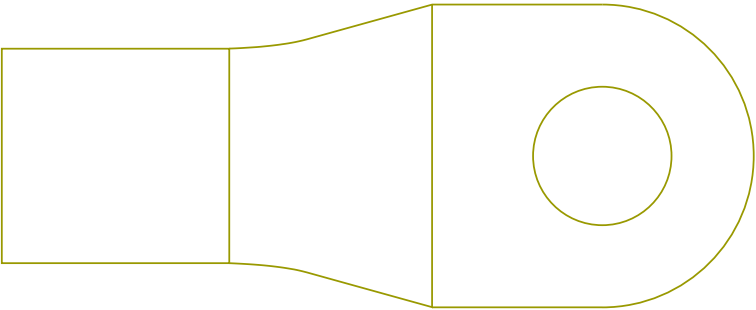
InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesA67_1702



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K13Z	-	0.0	16.0	-	RED	0.0	-	7	K07_6092
9	-	-	K10V	-	0.0	18.0	-	RED	0.0	-	1	K07_7001
38	-	-	K13Y	-	0.0	16.0	-	PINK	0.0	-	PIN1	-

Connector Name K07_2G
Part Number 2241342C1
Instances Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC
 Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components



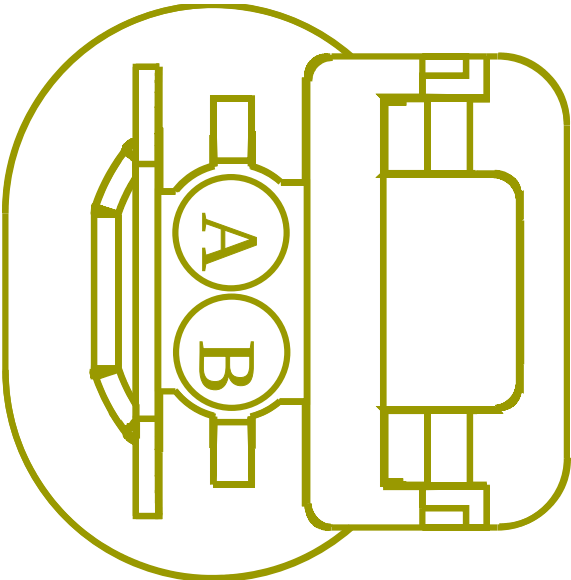
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K11	-	0.0	2.0	-	WHITE	0.0	-	PIN1	-

Connector NameK07_6023A

Part Number4173578C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesDEV-HEAT_PUMP_RESISTOR_A-01



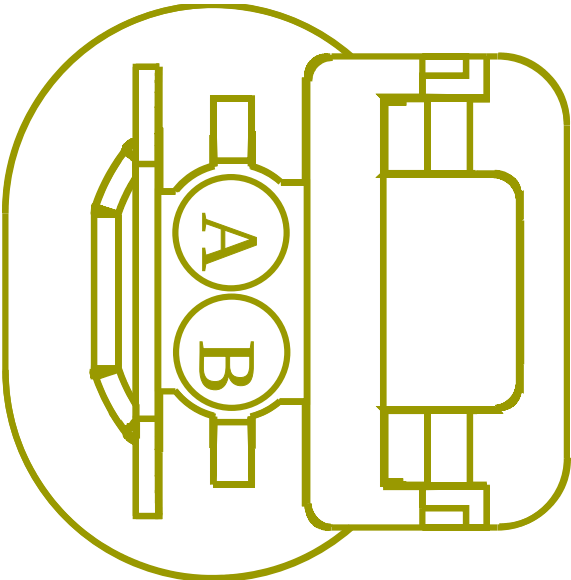
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K97Y	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
B	-	-	K11AA	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK07_6023B

Part Number4173578C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesDEV-HEAT_PUMP_RESISTOR_B-01



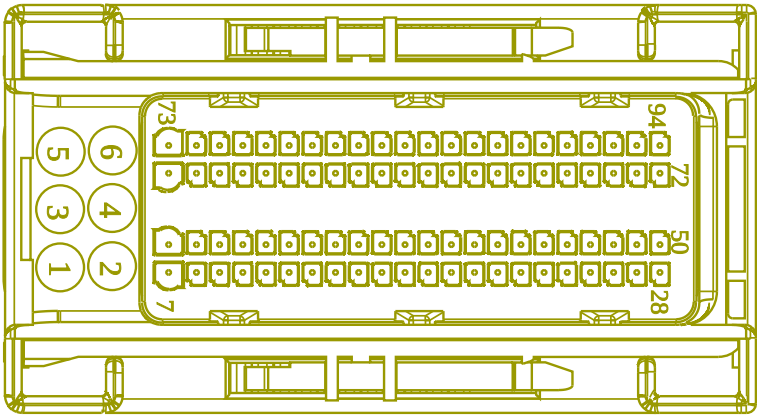
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K97Z	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
B	-	-	K11AB	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK07_6025

Part Number4241464C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesMODU-VCU-A006-10-01



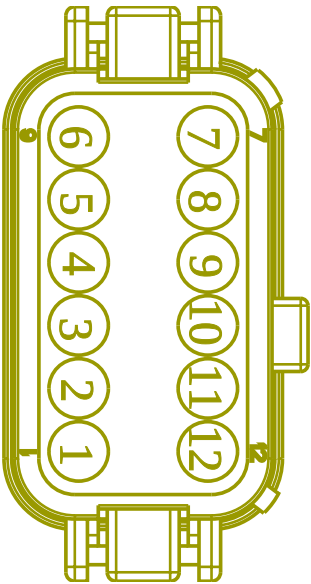
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
9	-	-	K97V	-	0.0	22.0	-	VIOLET	0.0	-	PIN1	-

Connector NameK07_6050

Part Number3601923C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesDEV-HVDU-01



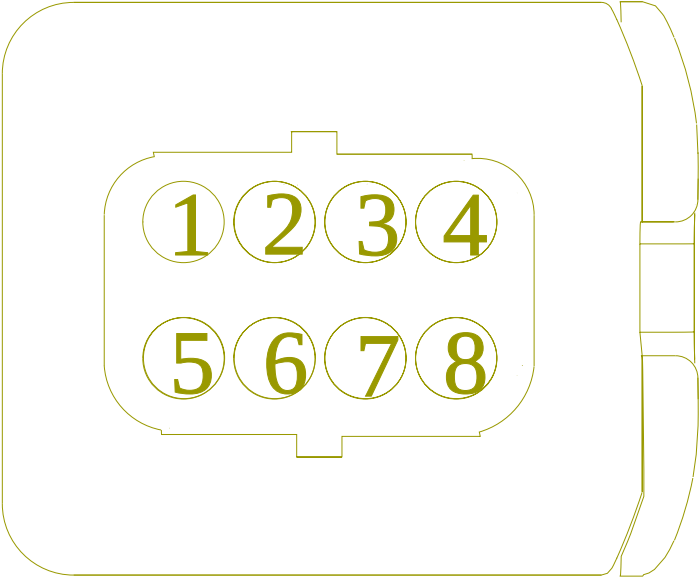
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
8	-	-	K13E	-	0.0	18.0	-	GREY	0.0	-	9	K07_6050
9	-	-	K13E	-	0.0	18.0	-	GREY	0.0	-	8	K07_6050

Connector NameK07_6057

Part Number6132203C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC

MatesDEV-RADIATOR_MODULE-01



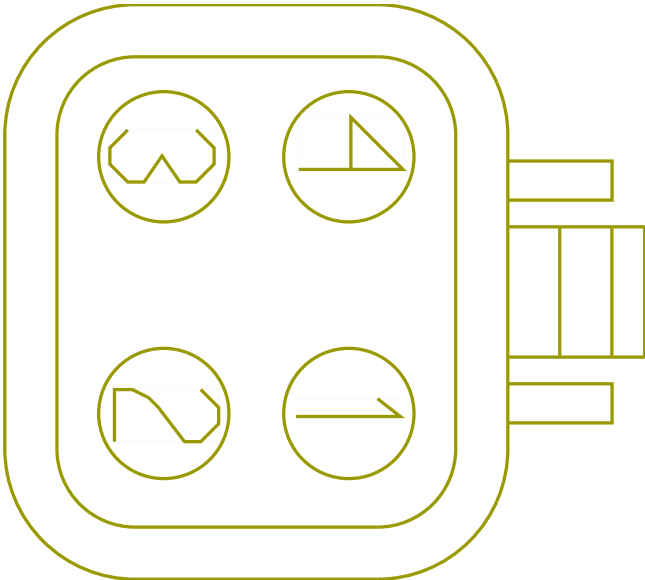
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	K13AB	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	K10R	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
8	-	-	K11S	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK07_6071

Part Number3601743C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesDEV-CABIN_HEATER_PUMP-01



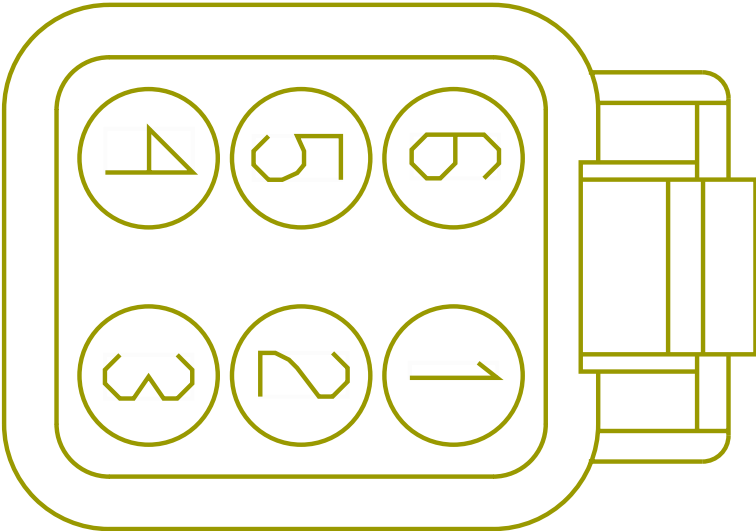
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	K98A	-	0.0	14.0	-	BLACK	0.0	-	PIN1	-
2	-	-	K74A-G	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
3	-	-	K74B	-	0.0	12.0	-	RED	0.0	-	-	-
4	-	-	K47A	-	0.0	14.0	-	PINK	0.0	-	PIN1	-

Connector NameK07_6072

Part Number3579124C1

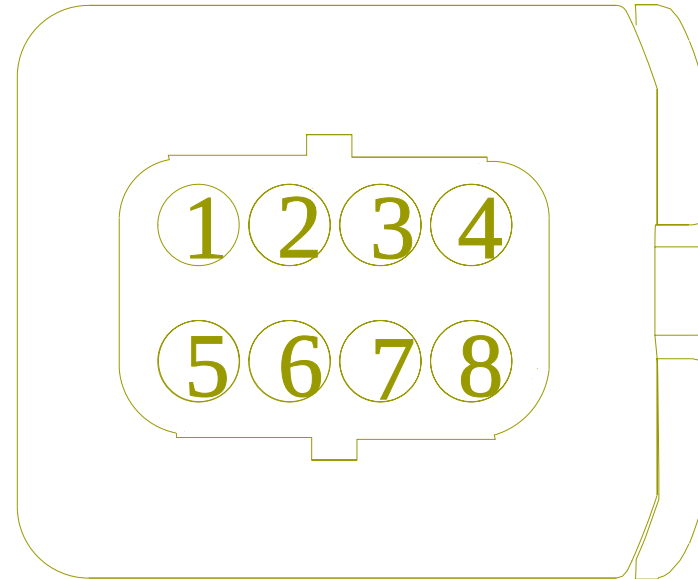
InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesDEV-CABIN_HEATER_PUMP-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	K98AB	-	0.0	18.0	-	BLACK	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-

Connector Name K07_6092
Part Number 6132203C1
Instances Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components
HV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
Mates DEV-AIR_COMPRESSOR-02



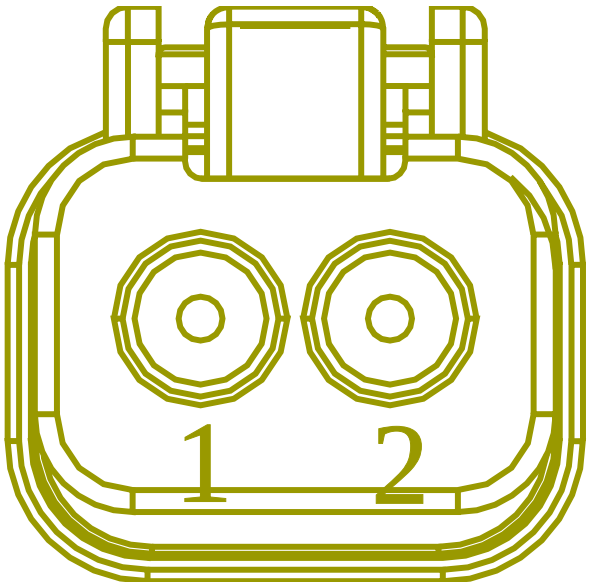
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	WIRE775 912	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	WIRE775 913	-	0.0	-	-	-	0.0	-	PIN1	-
5	-	-	K193F	-	0.0	18.0	-	GREY	0.0	-	A	K07_6094
6	-	-	K193G	-	0.0	18.0	-	GREY	0.0	-	2	K07_6093
7	-	-	K13Z	-	0.0	16.0	-	RED	0.0	-	1	K07_1702
8	-	-	K77-G	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-

Connector NameK07_6093

Part Number3757487C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesDEV-HV_FILTER-01



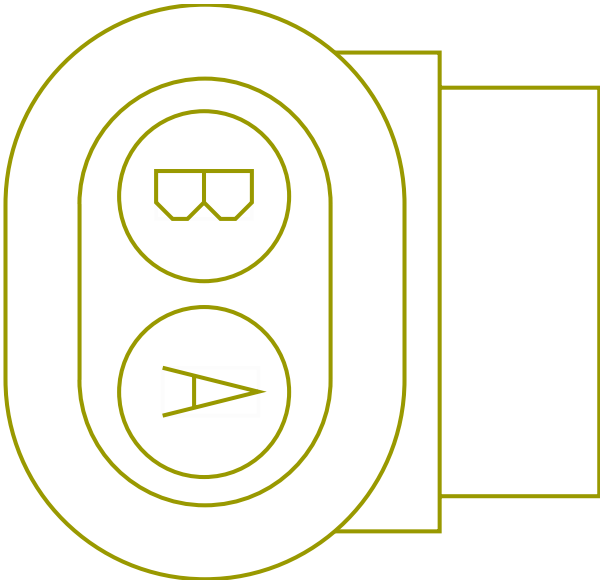
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	K193E	-	0.0	18.0	-	GREY	0.0	-	B	K07_6094
2	-	-	K193G	-	0.0	18.0	-	GREY	0.0	-	6	K07_6092

Connector NameK07_6094

Part Number1661778C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesP27_9004



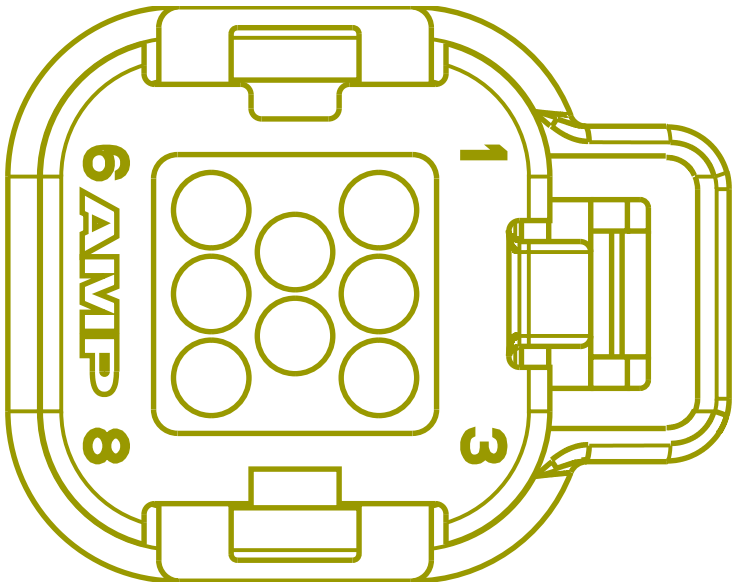
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K193F	-	0.0	18.0	-	GREY	0.0	-	5	K07_6092
B	-	-	K193E	-	0.0	18.0	-	GREY	0.0	-	1	K07_6093

Connector NameK07_7001

Part Number4243345C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

MatesDEV-HVDC_COOLANT_HEATER-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K10V	-	0.0	18.0	-	RED	0.0	-	9	K07_1702
3	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	K10T	-	0.0	18.0	-	BLACK	0.0	-	PIN1	-

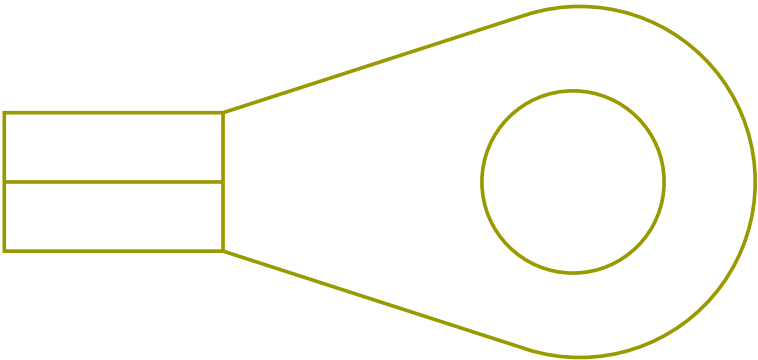
Connector NameK07_9300B

Part Number3762701C1

Instances

Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC

Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components



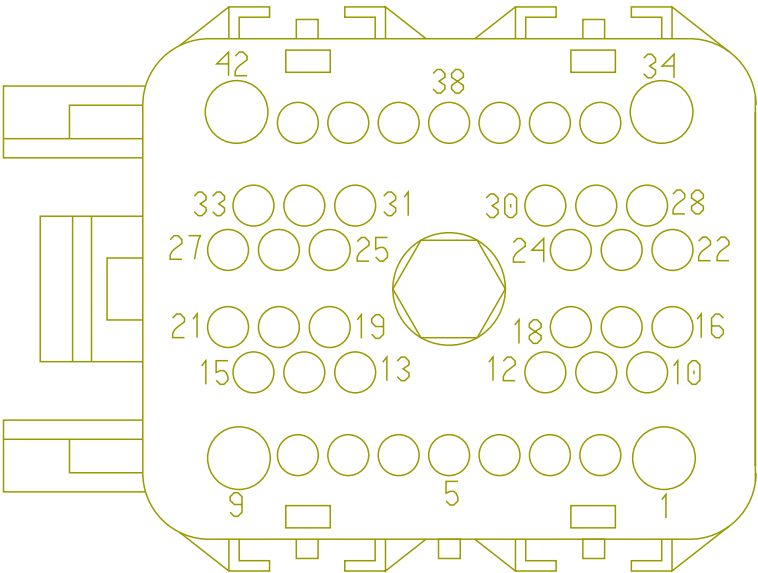
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K10D	-	0.0	10.0	-	WHITE	0.0	-	PIN1	-

Connector NameK08_1702

Part Number3595620C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram2
Charge Port Monitoring OCI System (Rev 2):Diagram1

MatesA67_1702

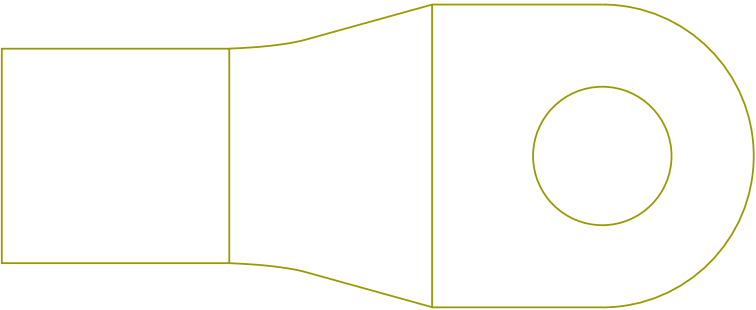


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	K97H	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	3	K08_6036
5	-	-	K14X	-	0.0	16.0	-	RED	0.0	-	PIN1	-

Connector NameK08_2G

Part Number2241342C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1
Battery Management System (Post 05-2022) Option 1:Diagram2



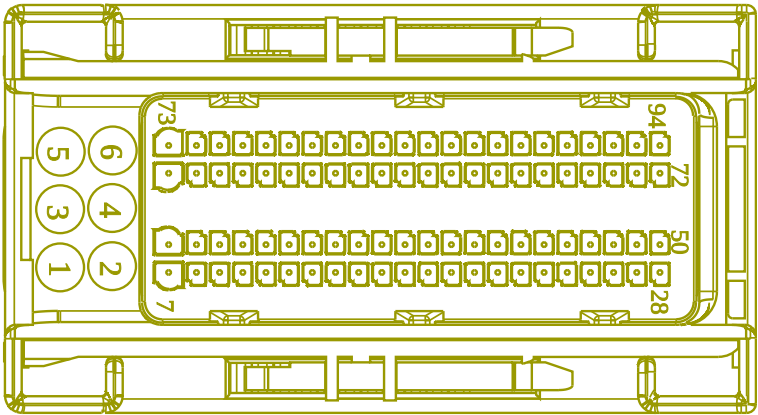
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K11	-	0.0	2.0	-	WHITE	0.0	-	PIN1	-

Connector NameK08_6025

Part Number4241464C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1
Charge Port Monitoring OCI System (Rev 2):Diagram1

MatesMODU-VCU-A006-10-01

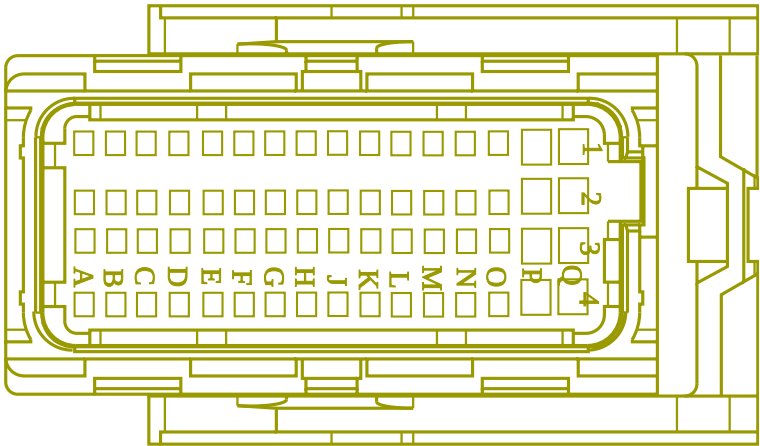


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
24	-	-	K13H	-	0.0	22.0	-	PINK	0.0	-	PIN1	-
73	-	-	K97U	-	0.0	20.0	-	VIOLET	0.0	-	PIN1	-

Connector NameK08_6030

Part Number4243360C1

InstancesHV Power J1939 (500Kbps):HV Power J1939 (500Kbps)



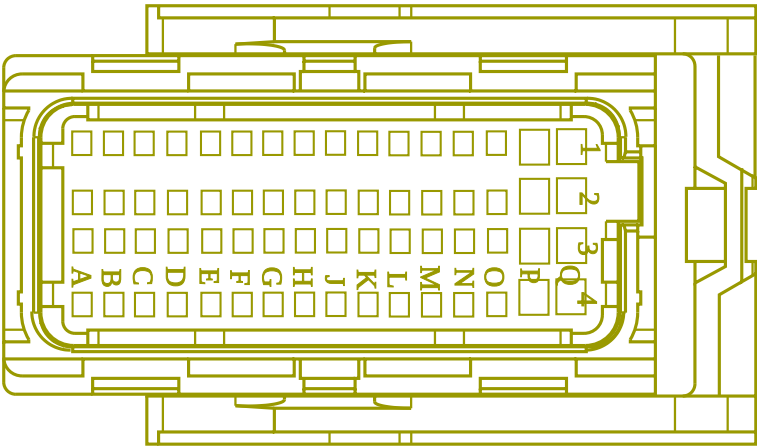
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C1	-	-	WIRE775 914	-	0.0	-	-	-	0.0	-	PIN1	-
C2	-	-	WIRE775 917	-	0.0	-	-	-	0.0	-	PIN1	-
D1	-	-	WIRE775 915	-	0.0	-	-	-	0.0	-	PIN1	-
D2	-	-	WIRE775 916	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK08_6030

Part Number4243360C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1
Battery Management System (Post 05-2022) Option 1:Diagram2

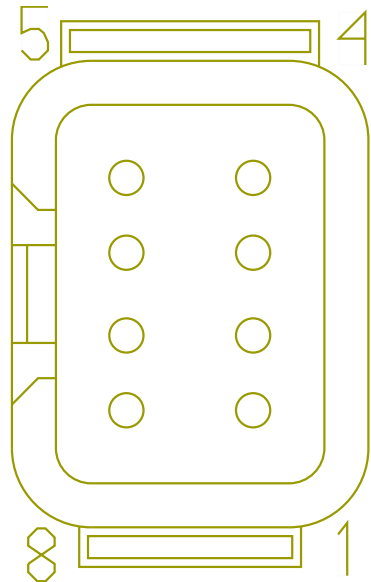
MatesDEV-SCU-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A1	-	-	K97T	-	0.0	0.5A	-	VIOLET	0.0	-	PIN1	-
B2	-	-	K97L	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
C1	-	-	-	-	-	-	-	-	-	-	-	-
C2	-	-	-	-	-	-	-	-	-	-	-	-
D1	-	-	-	-	-	-	-	-	-	-	-	-
D2	-	-	-	-	-	-	-	-	-	-	-	-
J1	-	-	K10S	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-
J2	-	-	K10J	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-
K1	-	-	K14H	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
K2	-	-	K14K	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
K4	-	-	K97F	-	0.0	0.5A	-	VIOLET	0.0	-	PIN1	-
L1	-	-	K14J	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
L2	-	-	K14L	-	0.0	0.5A	-	PINK	0.0	-	PIN1	-
L4	-	-	K97GG	-	0.0	0.5A	-	VIOLET	0.0	-	PIN1	-
M2	-	-	K10P	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
M3	-	-	K10K	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-
M4	-	-	K10M	-	0.0	0.5A	-	WHITE	0.0	-	PIN1	-
P2	-	-	K97J	-	0.0	16.0	-	VIOLET	0.0	-	B	K08_6091
P3	-	-	K10L	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
P4	-	-	K10N	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
Q1	-	-	K97R	-	0.0	16.0	-	PINK	0.0	-	7	K08_6050
Q2	-	-	K97K	-	0.0	16.0	-	PINK	0.0	-	M	K08_6090

Connector Name K08_6036
Part Number 3539140C1
Instances Charge Port Monitoring OCI System (Rev 2):Diagram1
Mates DEV-VCU_IGN_DIODE-01



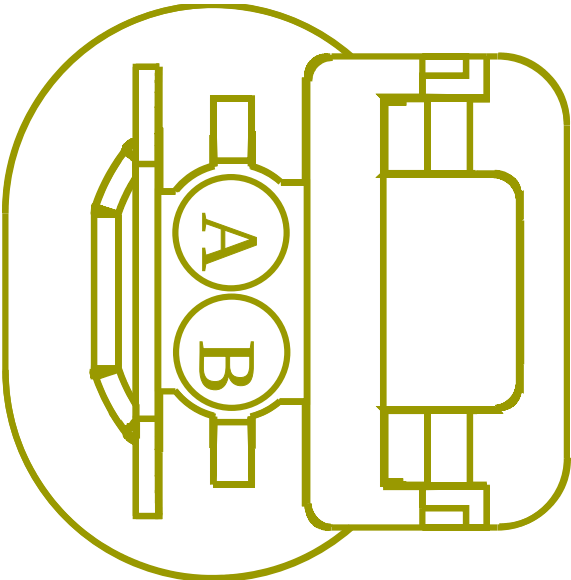
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	K13D	-	0.0	18.0	-	PINK	0.0	-	C	K08_6091
3	-	-	K97H	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	2	K08_1702
4	-	-	K13HH	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector NameK08_6037

Part Number4173578C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram2

MatesDEV-AC_POS_RESISTOR-01



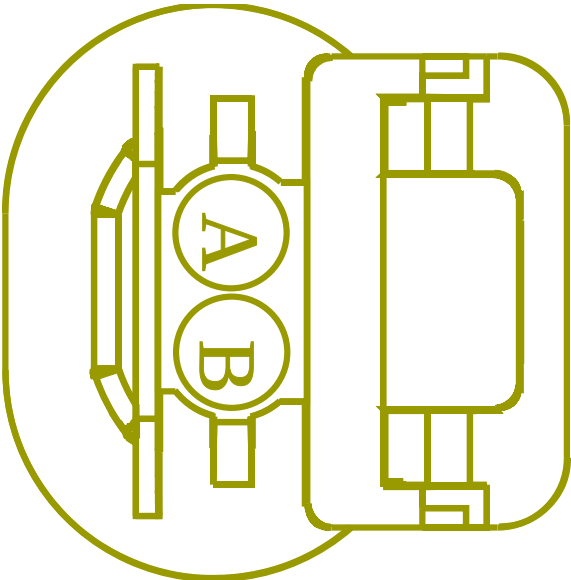
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K97M	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	K11B	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK08_6038

Part Number4173578C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram2

MatesDEV-AC_NEG_RESISTOR-01



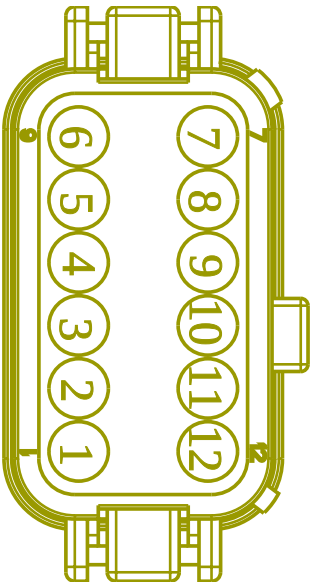
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K97N	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	K11C	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK08_6050

Part Number3601923C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram2

MatesDEV-HVDU-01



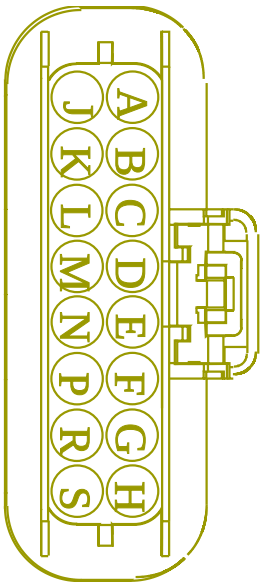
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	K11D	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
5	-	-	K14Z	-	0.0	18.0	-	RED	0.0	-	PIN1	-
6	-	-	K14Y	-	0.0	18.0	-	RED	0.0	-	PIN1	-
7	-	-	K97R	-	0.0	16.0	-	PINK	0.0	-	Q1	K08_6030
10	-	-	K14M	-	0.0	18.0	-	RED	0.0	-	PIN1	-
11	-	-	K97Q	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
12	-	-	K97P	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-

Connector NameK08_6090

Part Number3580539C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1
Battery Management System (Post 05-2022) Option 1:Diagram2

MatesP60_6090



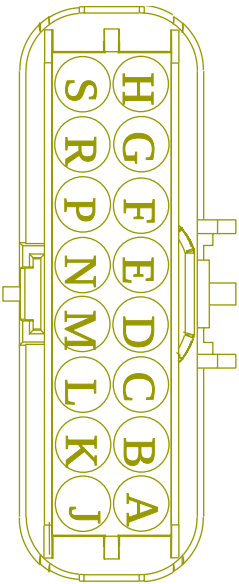
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
J	-	-	K97S	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
M	-	-	K97K	-	0.0	16.0	-	PINK	0.0	-	Q2	K08_6030

Connector NameK08_6091

Part Number3580540C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1
Battery Management System (Post 05-2022) Option 1:Diagram2
Charge Port Monitoring OCI System (Rev 2):Diagram1

MatesP60_6091

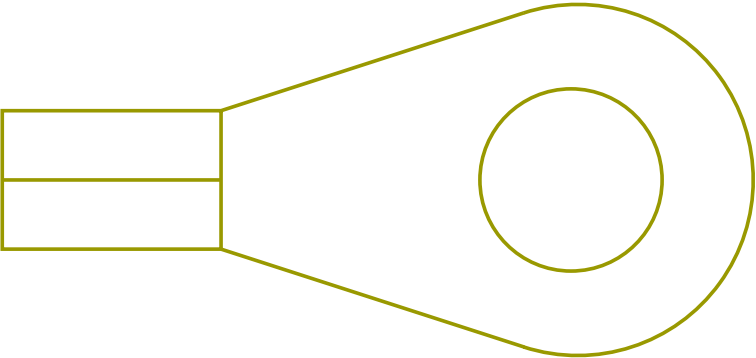


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B	-	-	K97J	-	0.0	16.0	-	VIOLET	0.0	-	P2	K08_6030
C	-	-	K13D	-	0.0	18.0	-	PINK	0.0	-	2	K08_6036
F	-	-	K14W	-	0.0	16.0	-	RED	0.0	-	-	-
H	-	-	K97G	-	0.0	20.0	-	VIOLET	0.0	-	PIN1	-
R	-	-	K11P	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
S	-	-	K11Q	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-

Connector NameK08_9300A

Part Number3762701C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1



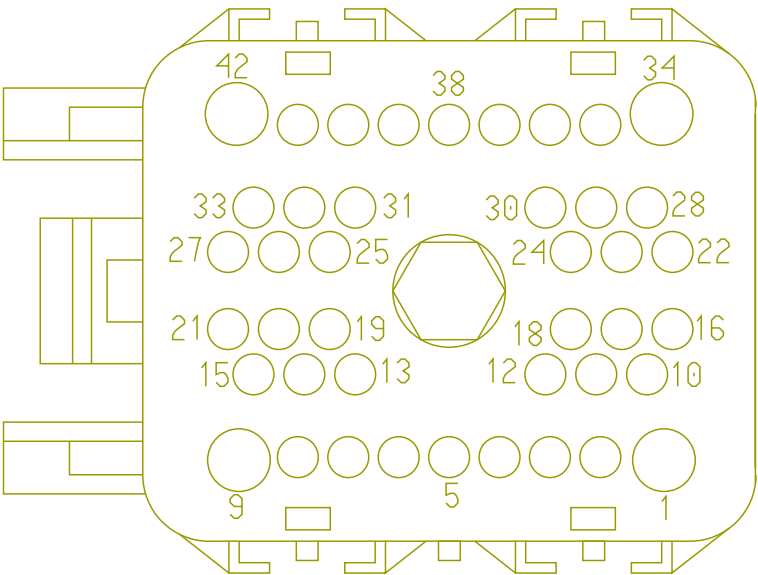
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K10C	-	0.0	10.0	-	WHITE	0.0	-	PIN1	-

Connector NameK11_1702

Part Number3595620C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesA74_1702

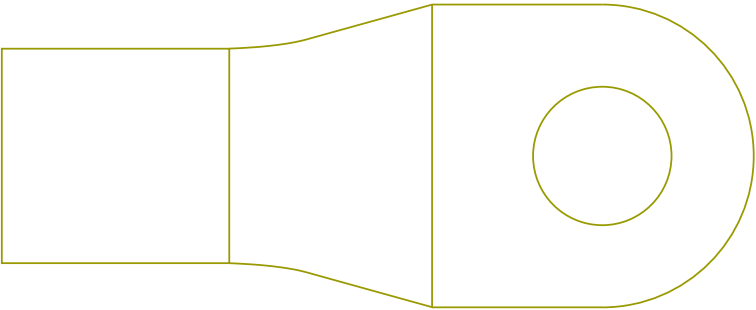


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
38	-	-	K13Y	-	0.0	16.0	-	PINK	0.0	-	PIN1	-
39	-	-	K14YJ	-	0.0	18.0	-	RED	0.0	-	K	K11_6091

Connector NameK11_2G

Part Number2241342C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1



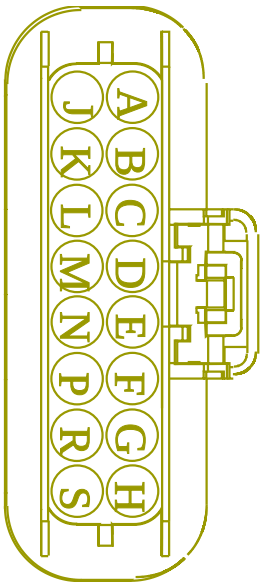
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K11	-	0.0	2.0	-	WHITE	0.0	-	PIN1	-

Connector NameK11_6090

Part Number3580539C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesP101_6090



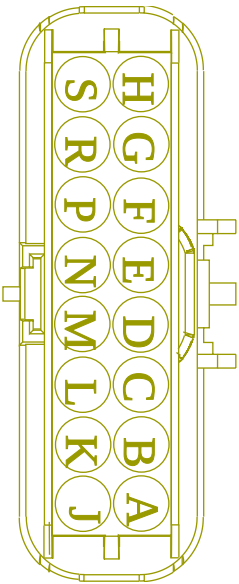
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
L	-	-	K13J	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector NameK11_6091

Part Number3580540C1

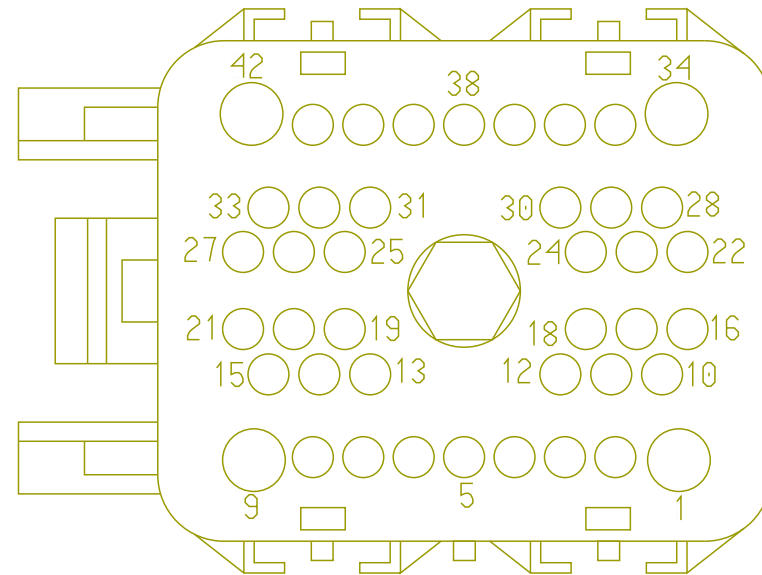
InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesP101_6091



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
K	-	-	K14YJ	-	0.0	18.0	-	RED	0.0	-	39	K11_1702
S	-	-	K11Q	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-

Connector Name K13_1702
Part Number 3595620C1
Instances Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2
Engine Speed Control (ePTO):Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter).:Diagram1
Mates A67_1702

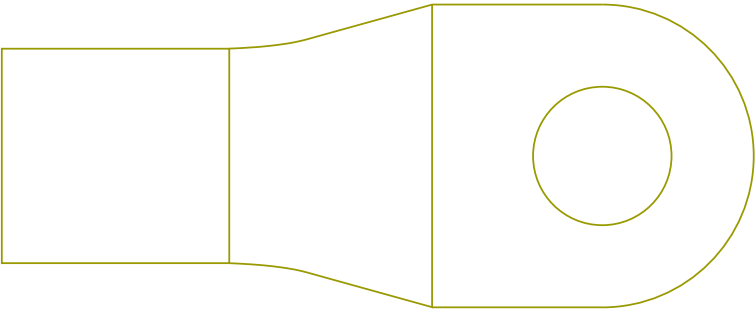


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
12	-	-	WIRE825 806	-	0.0	-	-	-	0.0	-	PIN1	-
13	-	-	WIRE825 805	-	0.0	-	-	-	0.0	-	PIN1	-
31	-	-	K14AE	-	0.0	18.0	-	RED	0.0	-	PIN1	-
32	-	-	K97AFF	-	0.0	16.0	-	VIOLET	0.0	-	PIN1	-
33	-	-	K13V	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
34	-	-	K13W	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
38	-	-	K13Y	-	0.0	16.0	-	PINK	0.0	-	PIN1	-

Connector NameK13_2G

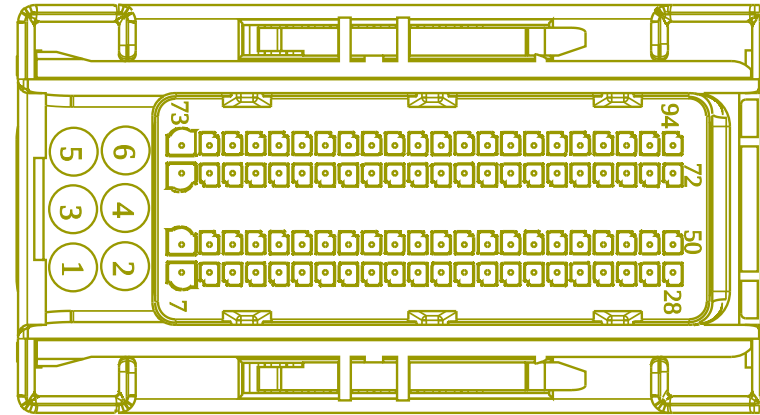
Part Number2241342C1

InstancesHybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram2



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K11	-	0.0	2.0	-	WHITE	0.0	-	PIN1	-

Connector Name K13_6025
Part Number 4241464C1
Instances Body Builder Power Prewire (ePower Prewire):Diagram1
Engine Speed Control (ePTO):Diagram3
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram2
Mates MODU-VCU-A006-01-00



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
7	-	-	K97W	-	0.0	18.0	-	VIOLET	0.0	-	G	K13_6090
8	-	-	K97AE	-	0.0	22.0	-	VIOLET	0.0	-	K	K13_6090
29	-	-	K97AJ	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
30	-	-	K99F	-	0.0	20.0	-	GREY	0.0	-	3	K13_6095F
32	-	-	K97CA	-	0.0	20.0	-	GREY	0.0	-	9	K13_6095F
33	-	-	K97CB	-	0.0	20.0	-	GREY	0.0	-	1	K13_6095F
41	-	-	K99RA	-	0.0	20.0	-	GREY	0.0	-	12	K13_6095F
44	-	-	K46A	-	0.0	20.0	-	GREY	0.0	-	2	K13_6095F
45	-	-	K46B	-	0.0	20.0	-	GREY	0.0	-	4	K13_6095F
47	-	-	K97C	-	0.0	22.0	-	VIOLET	0.0	-	PIN1	-
51	-	-	K97AF	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-

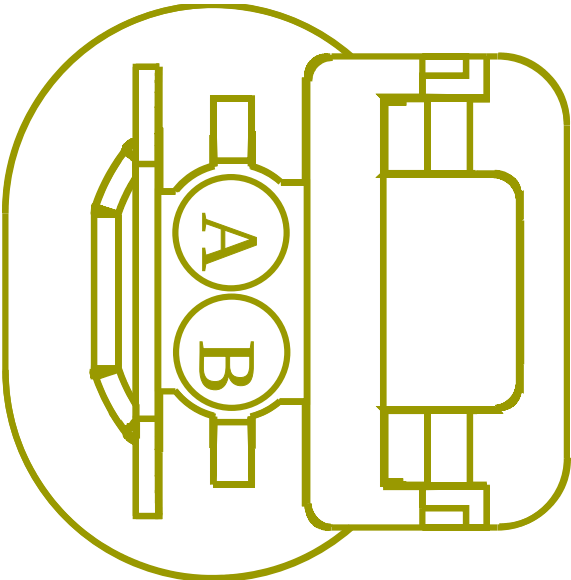
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
58	-	-	K46ES	-	0.0	20.0	-	GREY	0.0	-	11	K13_609 5F
67	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	WIRE825 837	-	0.0	-	-	-	0.0	-	PIN1	-
69	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	K6D	-	0.0	20.0	-	GREY	0.0	-	8	K13_609 5F
79	-	-	K9D	-	0.0	22.0	-	GREY	0.0	-	PIN1	-
89	-	-	-	-	-	-	-	-	-	-	-	-
89	-	-	WIRE825 084	-	0.0	-	-	-	0.0	-	PIN1	-
91	-	-	-	-	-	-	-	-	-	-	-	-

Connector NameK13_6026

Part Number4173578C1

InstancesHV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

MatesTERMINATING RESISTOR



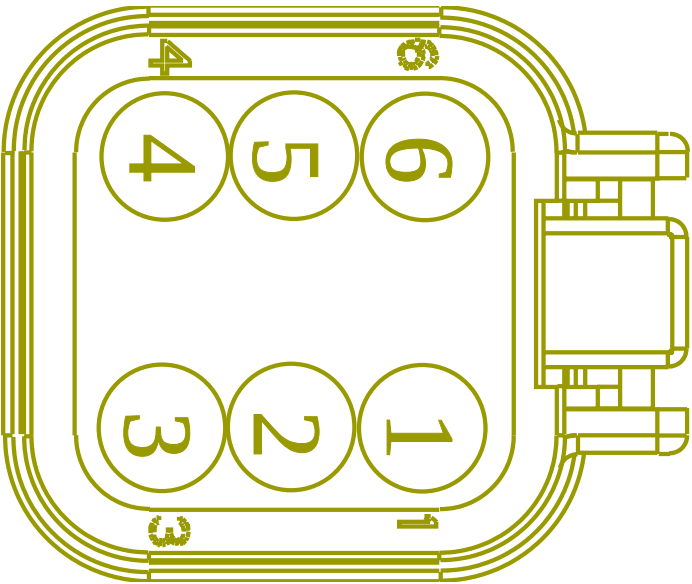
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE825063	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE825064	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK13_6035

Part Number3572899C1

InstancesHV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter).:Diagram1

MatesDEV-QX_INVERTER-01



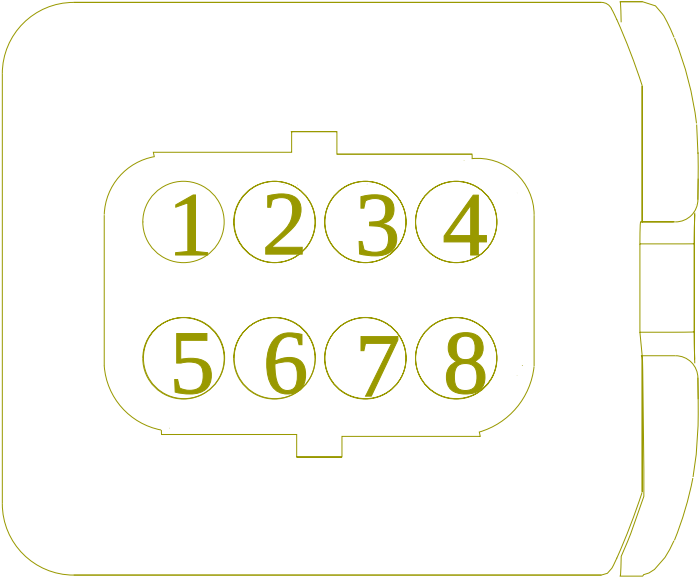
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	WIRE825 069	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	WIRE825 074	-	0.0	-	-	-	0.0	-	PIN1	-
3	-	-	K13AC	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
4	-	-	K11T	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameK13_6057

Part Number6132203C1

InstancesHV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

MatesDEV-RADIATOR_MODULE-01



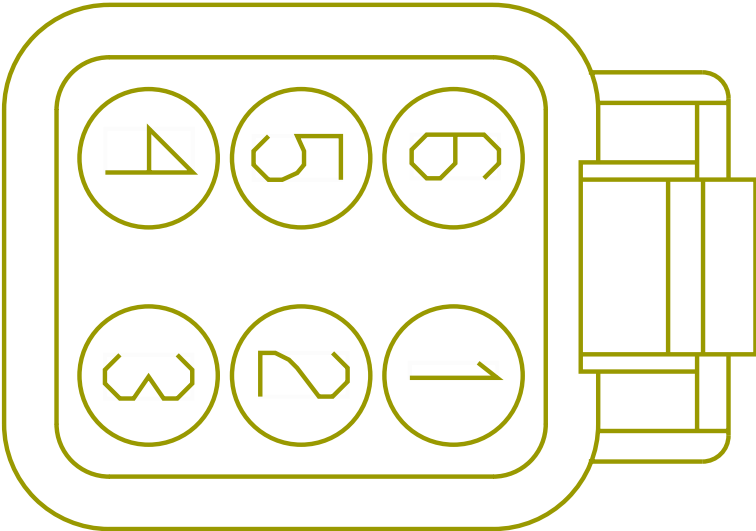
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE825071	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	WIRE825070	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK13_6072

Part Number3579124C1

InstancesHV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

MatesDEV-CABIN_HEATER_PUMP-01



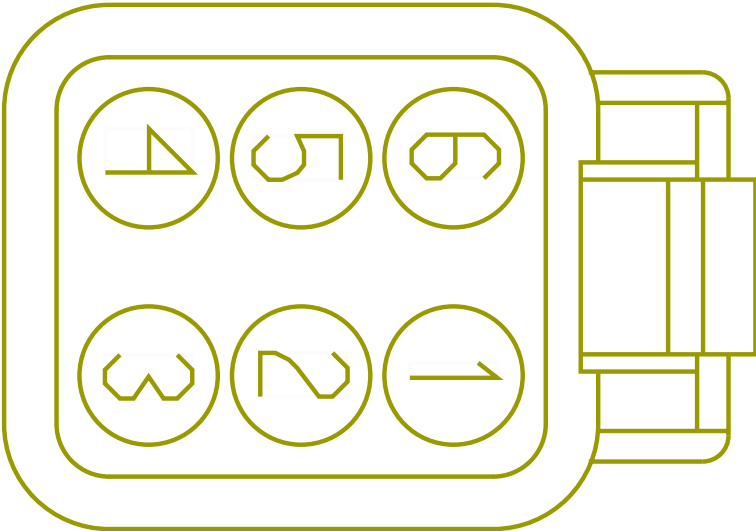
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	WIRE825051	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	WIRE825817	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameK13_6074

Part Number3579124C1

InstancesHV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

MatesDEV-MEDIUM_TEMP_PUMP-01



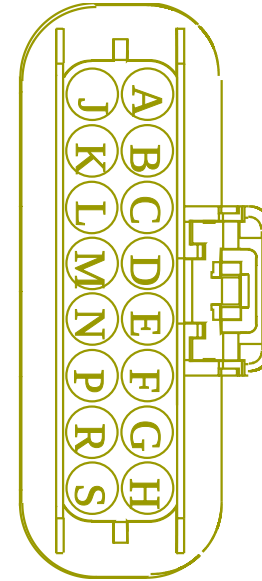
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE825067	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	WIRE825818	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name K13_6090

Part Number 3580539C1

Instances Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2
Engine Speed Control (ePTO):Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter).:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter).:Diagram2

Mates P101_6090



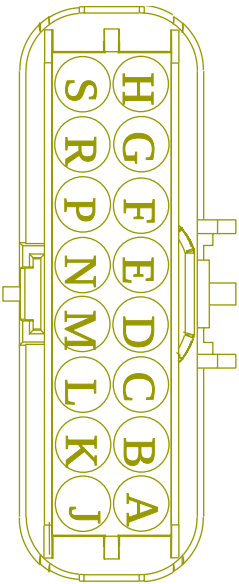
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE825808	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE825809	-	0.0	-	-	-	0.0	-	PIN1	-
G	-	-	K97W	-	0.0	18.0	-	VIOLET	0.0	-	7	K13_6025
H	-	-	K13K	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
K	-	-	K97AE	-	0.0	22.0	-	VIOLET	0.0	-	8	K13_6025
L	-	-	K13J	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector NameK13_6091

Part Number3580540C1

InstancesHybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram2

MatesP101_6091



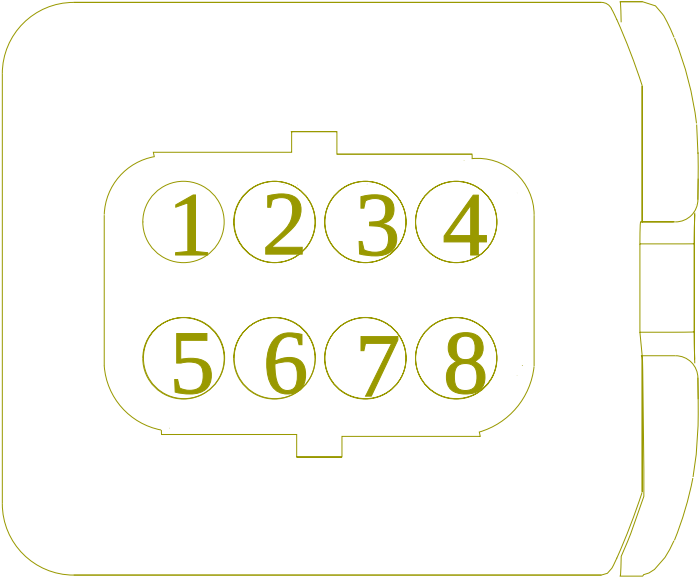
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E	-	-	K14AA	-	0.0	12.0	-	RED	0.0	-	PIN1	-
R	-	-	K11P	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-
S	-	-	K11Q	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-

Connector NameK13_6092

Part Number6132203C1

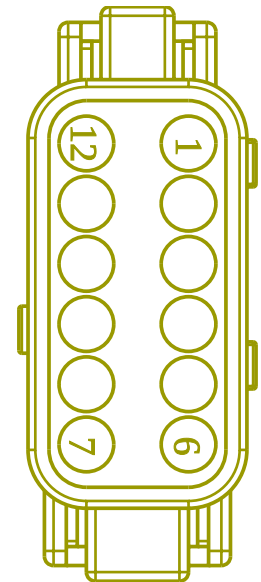
InstancesHV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

MatesDEV-AIR_COMPRESSOR-02



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE825057	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	WIRE825062	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name K13_6095F
Part Number 3586750C1
Instances Engine Speed Control (ePTO):Diagram3
Mates DEV-ePTO_BB_CONN-01



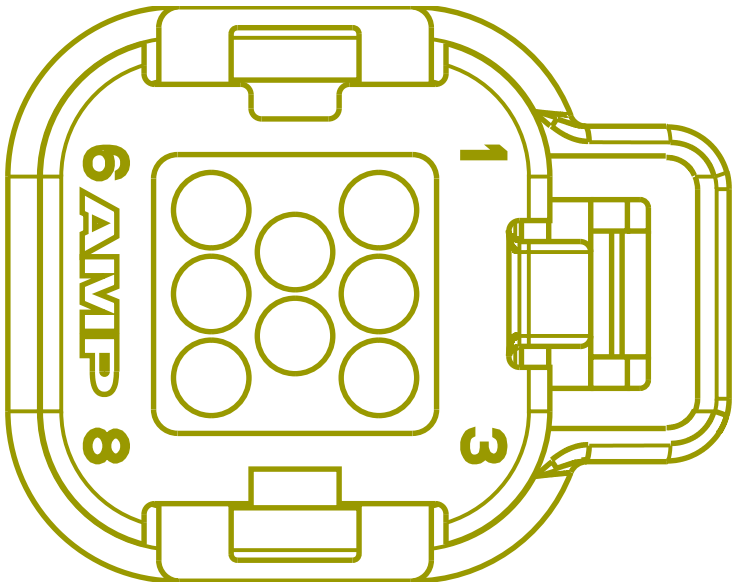
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K97CB	-	0.0	20.0	-	GREY	0.0	-	33	K13_6025
2	-	-	K46A	-	0.0	20.0	-	GREY	0.0	-	44	K13_6025
3	-	-	K99F	-	0.0	20.0	-	GREY	0.0	-	30	K13_6025
4	-	-	K46B	-	0.0	20.0	-	GREY	0.0	-	45	K13_6025
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	K9D-G	-	0.0	20.0	-	GREY	0.0	-	PIN1	-
8	-	-	K6D	-	0.0	20.0	-	GREY	0.0	-	71	K13_6025
9	-	-	K97CA	-	0.0	20.0	-	GREY	0.0	-	32	K13_6025
10	-	-	K9A-G	-	0.0	20.0	-	GREY	0.0	-	PIN1	-
11	-	-	K46ES	-	0.0	20.0	-	GREY	0.0	-	58	K13_6025
12	-	-	K99RA	-	0.0	20.0	-	GREY	0.0	-	41	K13_6025

Connector NameK13_7001

Part Number4243345C1

InstancesHV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

MatesDEV-HVDC_COOLANT_HEATER-02



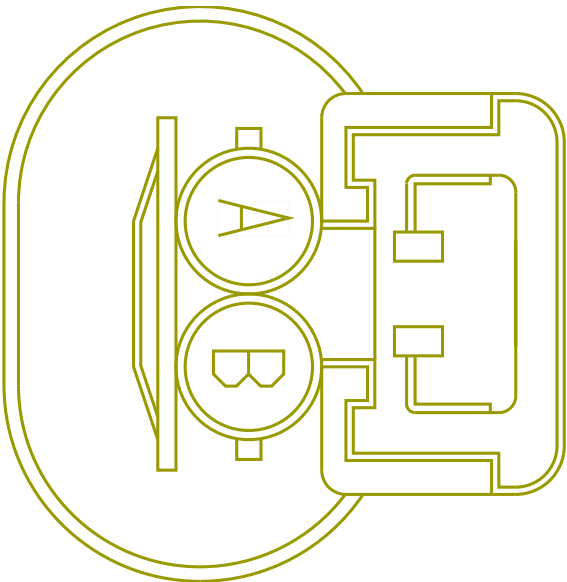
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
3	-	-	WIRE825800	-	0.0	-	-	-	0.0	-	PIN1	-
5	-	-	WIRE825801	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameM01_1657M

Part Number3683465C1

InstancesPowertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)

MatesTerminating Resistor



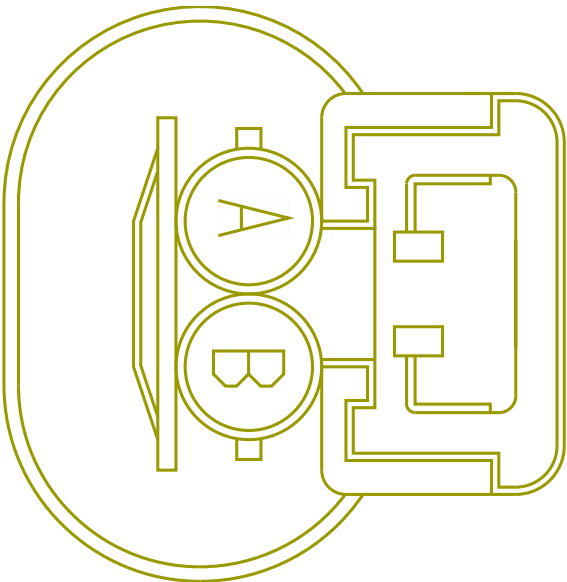
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775535	-	0.0	-	-	-	0.0	-	62	M01_1700
B	-	-	WIRE775547	-	0.0	-	-	-	0.0	-	61	M01_1700

Connector NameM01_1657

Part Number3683465C1

InstancesCab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)

MatesTERMINATING RESISTOR



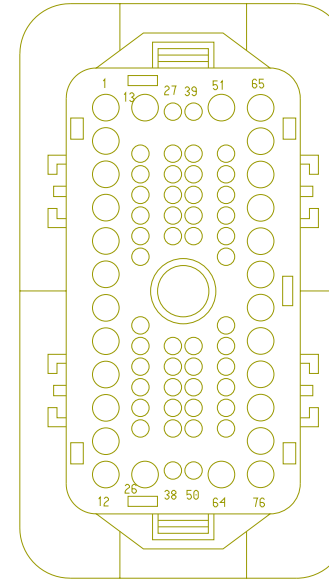
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE720028	-	0.0	-	-	-	0.0	-	X	-
B	-	-	WIRE720030	-	0.0	-	-	-	0.0	-	X	-

Connector Name M01_1700

Part Number 3595624C1

Instances Antilock Brake System (ABS) (BENDIX 4 Channel Implementation - No Modulator Twist):Diagram1
 Body Standard J1939 (250Kbps):Body Standard J1939 (250Kbps)
 City Horn:Diagram1
 Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O Fender Lights:Diagram1
 Front Fog Lamps:Diagram1
 Headlights (LED CAN) W/O Plow Lights:Diagram1
 Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts, N/Guide Posts:Diagram1
 Mirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
 Mirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood Mirrors):Diagram1
 Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
 Vehicle Sound Generator:Diagram1
 Windshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1
 Windshield Washer Pump W/O Low Fluid Sensor:Diagram1

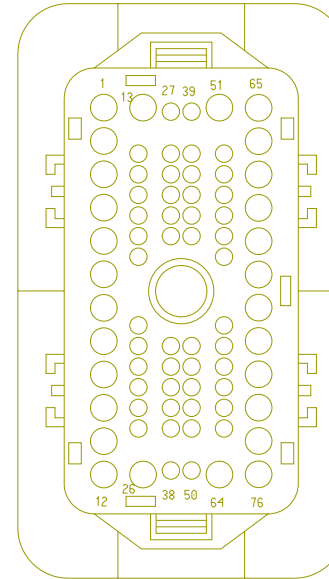
Mates A67_1700



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	14L	-	0.0	14.0	-	RED	0.0	-	1	M01_8001
2	-	-	14R	-	0.0	14.0	-	RED	0.0	-	1	M01_8000
3	-	-	13L	-	0.0	14.0	-	PINK	0.0	-	3	M01_8001
4	-	-	13R	-	0.0	14.0	-	PINK	0.0	-	3	M01_8000
17	-	-	87C	-	0.0	18.0	-	GREY	0.0	-	1	M01_4022
18	-	-	9BB	-	0.0	18.0	-	GREY	0.0	-	2	M01_4022
19	-	-	87KA	-	0.0	16.0	-	GREY	0.0	-	1	M01_4021
20	-	-	87BA	-	0.0	18.0	-	GREY	0.0	-	2	M01_4021
21	-	-	85E	-	0.0	16.0	-	GREY	0.0	-	A	M01_8301

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
22	-	-	64A	-	0.0	16.0	-	YELLOW 2	0.0	-	1	M01_8201
23	-	-	64B	-	0.0	16.0	-	YELLOW 2	0.0	-	1	M01_8200
24	-	-	86CA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	A	M01_955 5F
25	-	-	86DA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	B	M01_955 5F
27	-	-	94	-	0.0	18.0	-	GREY	0.0	-	A	M01_8500
28	-	-	94A	-	0.0	16.0	-	GREY	0.0	-	-	-
29	-	-	94B	-	0.0	18.0	-	GREY	0.0	-	C	M01_8500
30	-	-	94C	-	0.0	16.0	-	GREY	0.0	-	-	-
31	-	-	94D	-	0.0	16.0	-	GREY	0.0	-	-	-
32	-	-	94E	-	0.0	16.0	-	GREY	0.0	-	-	-
33	-	-	94F	-	0.0	16.0	-	RED	0.0	-	-	-
34	-	-	94H	-	0.0	16.0	-	GREY	0.0	-	-	-
35	-	-	94J	-	0.0	16.0	-	GREY	0.0	-	-	-
36	-	-	94K	-	0.0	16.0	-	GREY	0.0	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	78BC	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	M01_8700
64	-	-	78AC	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	M01_8701

Connector Name M01_1700
Part Number 3595624C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev
2):Diagram1 - HVAC
Powertrain Standard J1939 (500Kbps):Powertrain Standard
J1939 (500Kbps)
Mates A67_1700



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	77	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	M01_8900
7	-	-	75-G	-	0.0	16.0	-	WHITE	0.0	-	B	M01_8900
39	-	-	WIRE720 038	-	0.0	-	-	-	0.0	-	X	-
40	-	-	WIRE720 036	-	0.0	-	-	-	0.0	-	1	-
61	-	-	WIRE775 547	-	0.0	-	-	-	0.0	-	B	M01_165 7M
62	-	-	WIRE775 535	-	0.0	-	-	-	0.0	-	A	M01_165 7M

Connector Name

M01_1700

Part Number

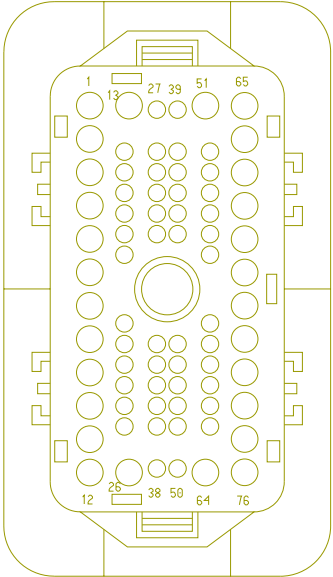
3595624C1

Instances

HVAC Actuators:Diagram 1

Mates

A67_1700



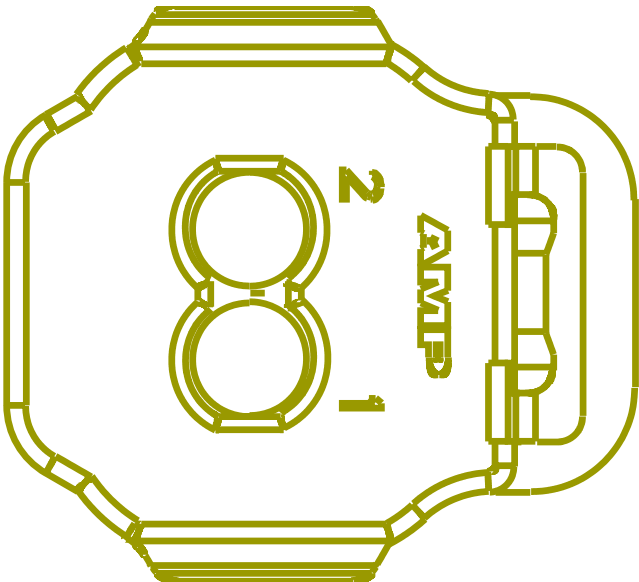
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	77	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	M01_8900
7	-	-	75-G	-	0.0	16.0	-	WHITE	0.0	-	B	M01_8900

Connector NameM01_4021

Part Number3536864C1

InstancesWindshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1
Windshield Washer Pump W/O Low Fluid Sensor:Diagram1

MatesDEV-WASHER_BOTTLE_ASSEMBLY -02



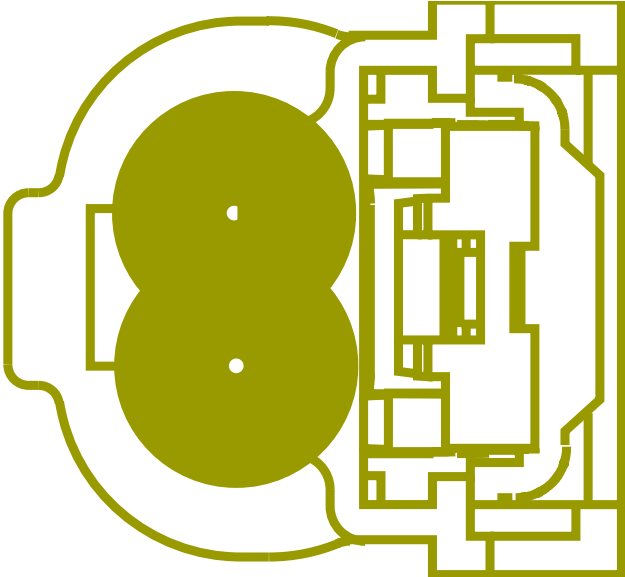
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	87KA	-	0.0	16.0	-	GREY	0.0	-	19	M01_1700
2	-	-	87BA	-	0.0	18.0	-	GREY	0.0	-	20	M01_1700

Connector NameM01_4022

Part Number4147159C1

InstancesWindshield Washer Pump & Low Fluid Sensor (MV, CE):Diagram1

MatesDEV-WASHER_BOTTLE_ASSEMBLY -02



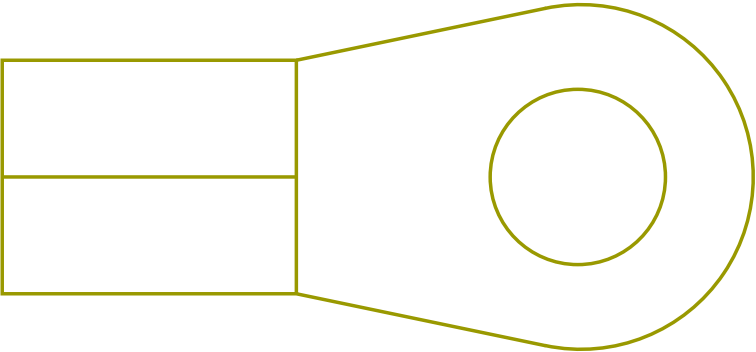
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	87C	-	0.0	18.0	-	GREY	0.0	-	17	M01_1700
2	-	-	9BB	-	0.0	18.0	-	GREY	0.0	-	18	M01_1700

Connector NameM01_4307

Part Number2015884C1

Short DescriptionForward Chassis Ground 4307

InstancesForward Chassis Ground Splice Pack 8800:Diagram1



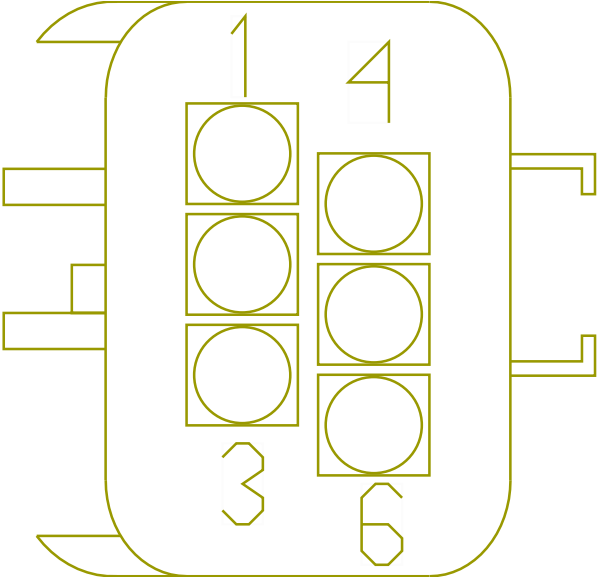
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	11-GC	-	0.0	8.0	-	WHITE	0.0	-	X	-
A	-	-	11-G	-	0.0	12.0	-	WHITE	0.0	-	X	-

Connector NameM01_8000

Part Number3612306C1

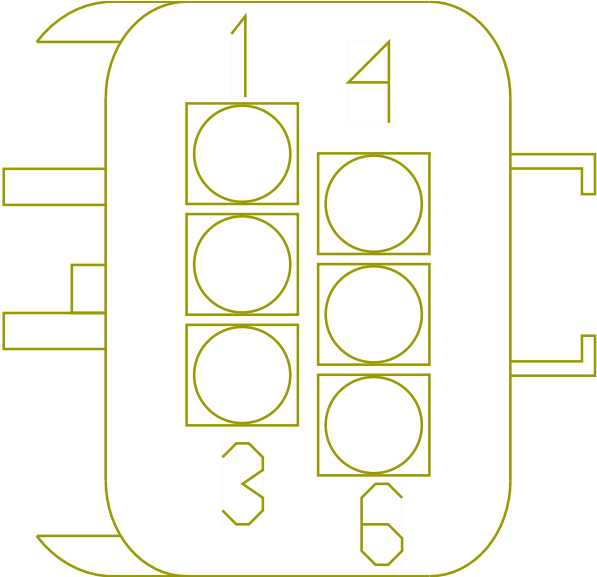
InstancesCab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O
Fender Lights:Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts,
N/Guide Posts:Diagram1

MatesP9Z_8000F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	14R	-	0.0	14.0	-	RED	0.0	-	2	M01_1700
2	-	-	11-GB	-	0.0	14.0	-	WHITE	0.0	-	X	-
3	-	-	13R	-	0.0	14.0	-	PINK	0.0	-	4	M01_1700
4	-	-	WIRE775 501	-	0.0	-	-	-	0.0	-	X	-
5	-	-	WIRE775 500	-	0.0	-	-	-	0.0	-	X	-

Connector Name M01_8001
Part Number 3612306C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O
Fender Lights:Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts,
N/Guide Posts:Diagram1
Mates P9Z_8000F



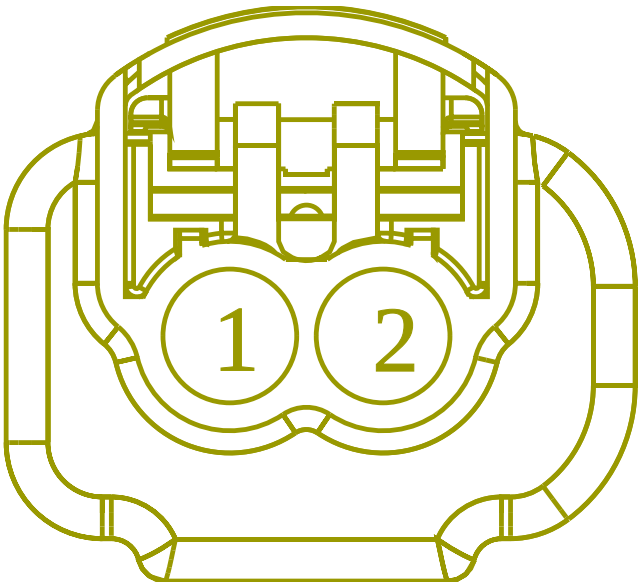
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	14L	-	0.0	14.0	-	RED	0.0	-	1	M01_1700
2	-	-	11-GA	-	0.0	12.0	-	WHITE	0.0	-	X	-
3	-	-	13L	-	0.0	14.0	-	PINK	0.0	-	3	M01_1700
4	-	-	WIRE775 503	-	0.0	-	-	-	0.0	-	X	-
5	-	-	WIRE775 502	-	0.0	-	-	-	0.0	-	1	-

Connector NameM01_8200

Part Number6131286C1

InstancesFront Fog Lamps:Diagram1

MatesDEV-FOG_RH_FRONT-01



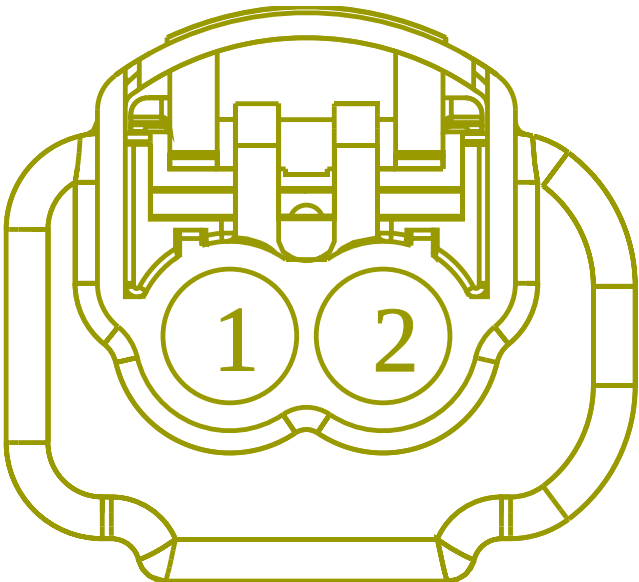
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	64B	-	0.0	16.0	-	YELLOW 2	0.0	-	23	M01_1700
2	-	-	64-GB	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameM01_8201

Part Number6131286C1

InstancesFront Fog Lamps:Diagram1

MatesDEV-FOG_LH_FRONT-01



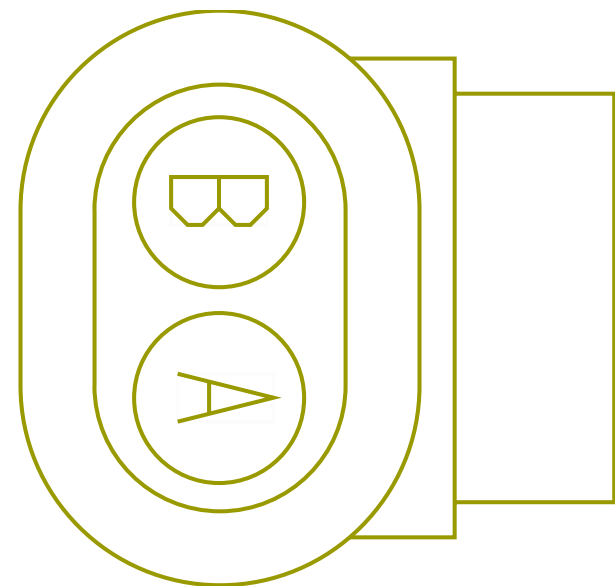
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	64A	-	0.0	16.0	-	YELLOW 2	0.0	-	22	M01_1700
2	-	-	64-GA	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameM01_8301

Part Number1661778C1

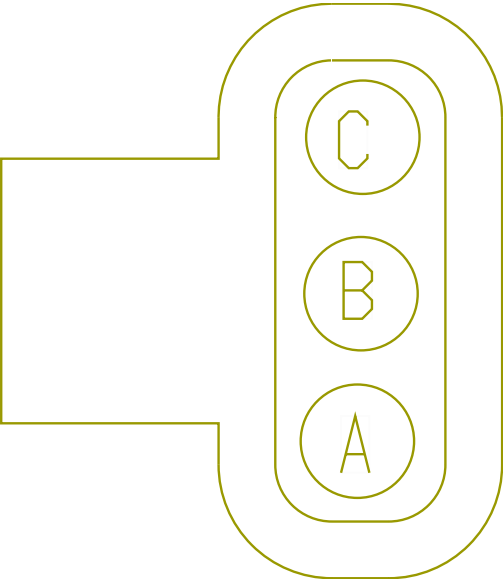
InstancesCity Horn:Diagram1

MatesDEV-CITY_HORN-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	85E	-	0.0	16.0	-	GREY	0.0	-	21	M01_1700
B	-	-	85-GA	-	0.0	16.0	-	WHITE	0.0	-	1	-

Connector Name M01_8500
Part Number 1686834C1
Instances Antilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1
Mates DEV-LH_SA_VALVE-01



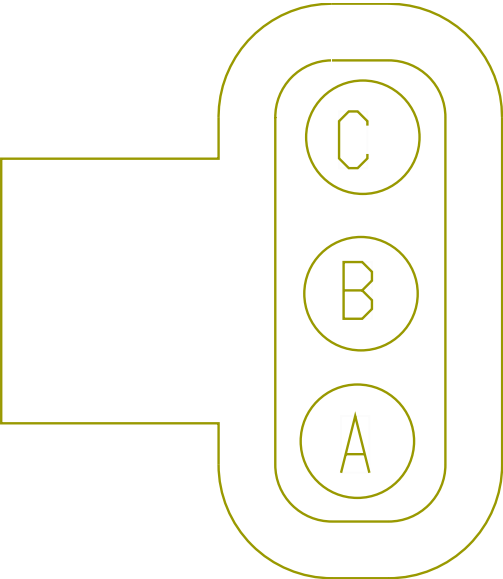
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	94	-	0.0	18.0	-	GREY	0.0	-	27	M01_1700
B	-	-	94A	-	0.0	16.0	-	GREY	0.0	-	-	-
C	-	-	94B	-	0.0	18.0	-	GREY	0.0	-	29	M01_1700

Connector NameM01_8501

Part Number1686834C1

InstancesAntilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1

MatesDEV-RH_SA_VALVE-01



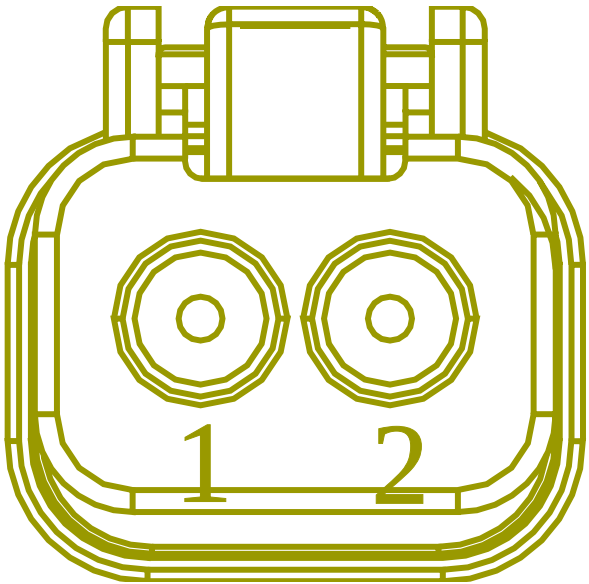
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	94H	-	0.0	16.0	-	GREY	0.0	-	-	-
B	-	-	94J	-	0.0	16.0	-	GREY	0.0	-	-	-
C	-	-	94K	-	0.0	16.0	-	GREY	0.0	-	-	-

Connector NameM01_8502A

Part Number3757487C1

InstancesAntilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1

MatesDEV-Wheel_Steer_Axle_Left_ SNSR-01



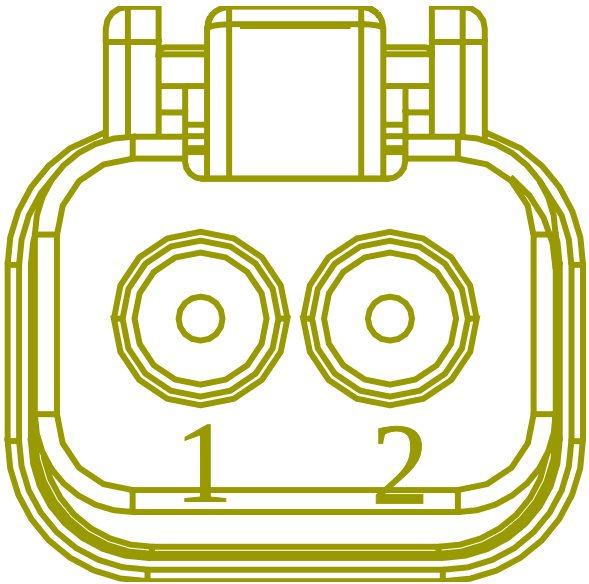
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	94C	-	0.0	16.0	-	GREY	0.0	-	-	-
2	-	-	94D	-	0.0	16.0	-	GREY	0.0	-	-	-

Connector NameM01_8503A

Part Number3757487C1

InstancesAntilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1

MatesDEV-Wheel_Steer_Axle_Right _SNSR-01



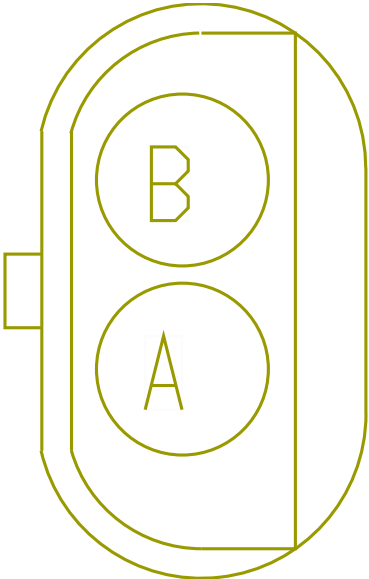
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	94E	-	0.0	16.0	-	GREY	0.0	-	-	-
2	-	-	94F	-	0.0	16.0	-	RED	0.0	-	-	-

Connector NameM01_8700

Part Number587567C91

InstancesMirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood Mirrors):Diagram1

MatesDEV-PS_HOOD_MIRROR-01



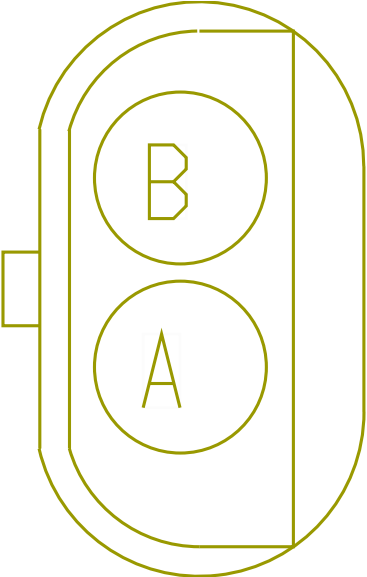
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	78BC	-	0.0	16.0	-	LIGHT GREEN	0.0	-	63	M01_1700
B	-	-	78-GB	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameM01_8701

Part Number587567C91

InstancesMirrors (Heated) (Door Pod Actuated 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
Mirrors (Heated) (Door Pod Actuated, 2 Cab and 2 Hood Mirrors):Diagram1
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1

MatesDEV-DS_HOOD_MIRROR-01



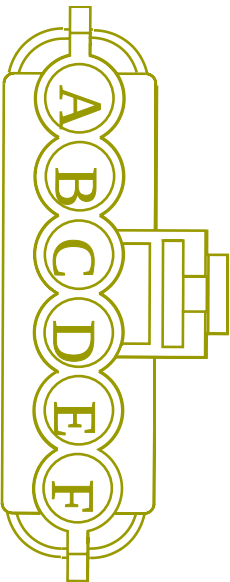
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	78AC	-	0.0	16.0	-	LIGHT GREEN	0.0	-	64	M01_1700
B	-	-	78-GA	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameM01_8800

Part Number3551896C1

InstancesForward Chassis Splice Pack 8800:Diagram1

MatesSP-0003-00-10-M0A



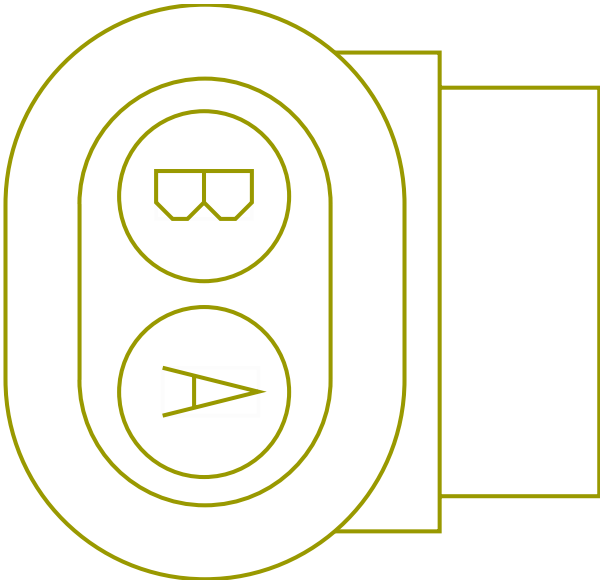
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	11-GD	-	0.0	12.0	-	WHITE	0.0	-	X	-
B	-	-	64-GA	-	0.0	16.0	-	WHITE	0.0	-	-	-
C	-	-	64-GB	-	0.0	16.0	-	WHITE	0.0	-	-	-
D	-	-	39-GB	-	0.0	16.0	-	WHITE	0.0	-	-	-
E	-	-	78-GA	-	0.0	16.0	-	WHITE	0.0	-	-	-
F	-	-	78-GB	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameM01_8900

Part Number1661778C1

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC

MatesP04_9003



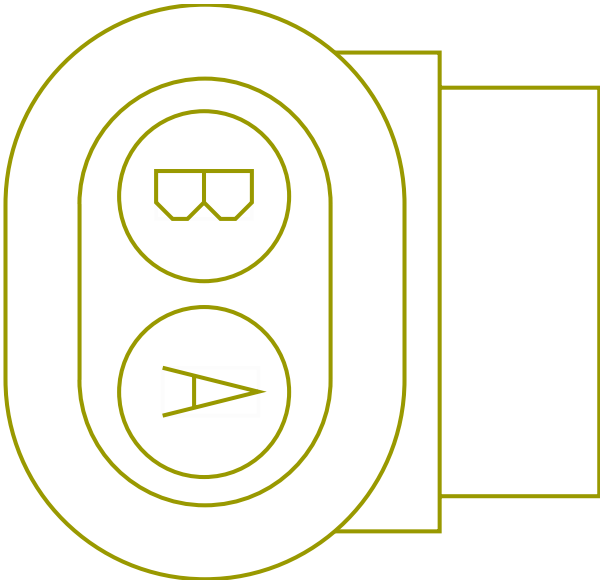
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	77	-	0.0	16.0	-	LIGHT GREEN	0.0	-	5	1700
B	-	-	75-G	-	0.0	16.0	-	WHITE	0.0	-	7	1700

Connector NameM01_8900

Part Number1661778C1

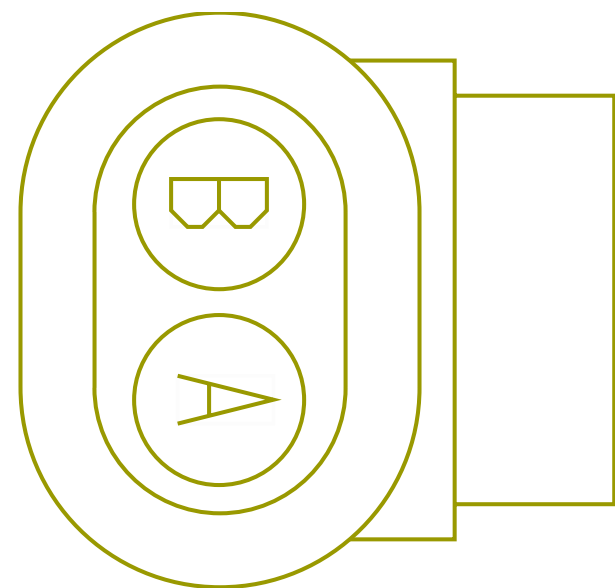
InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC

MatesP27_9003



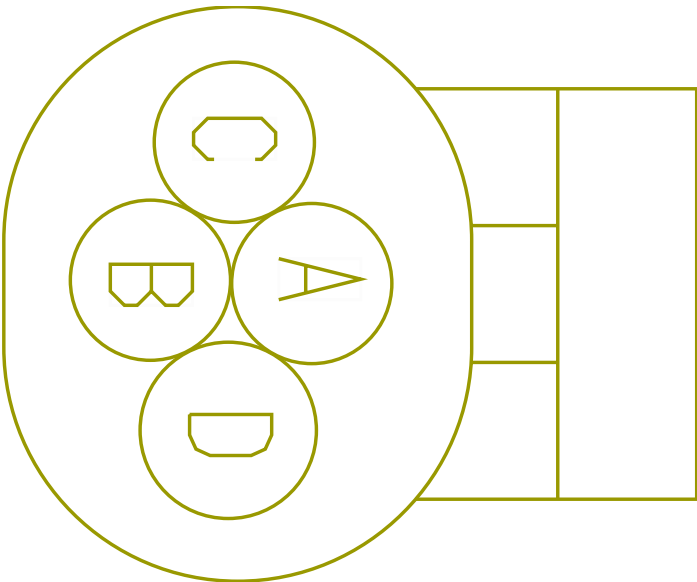
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	77	-	0.0	16.0	-	LIGHT GREEN	0.0	-	5	M01_1700
B	-	-	75-G	-	0.0	16.0	-	WHITE	0.0	-	7	M01_1700

Connector Name M01_8900
Part Number 1661778C1
Instances HVAC Actuators:Diagram 1
Mates P27_9003



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	77	-	0.0	16.0	-	LIGHT GREEN	0.0	-	5	M01_1700
B	-	-	75-G	-	0.0	16.0	-	WHITE	0.0	-	7	M01_1700

Connector Name M01_9000
Part Number 1661777C1
Instances Air Governor Control:Diagram1
Mates DEV-AIR_GOVERNOR-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	39A	-	0.0	18.0	-	GREY	0.0	-	A	M01_9700
D	-	-	97F	-	0.0	18.0	-	GREY	0.0	-	B	M01_9700

Connector NameM01_9555F

Part Number1661259C1

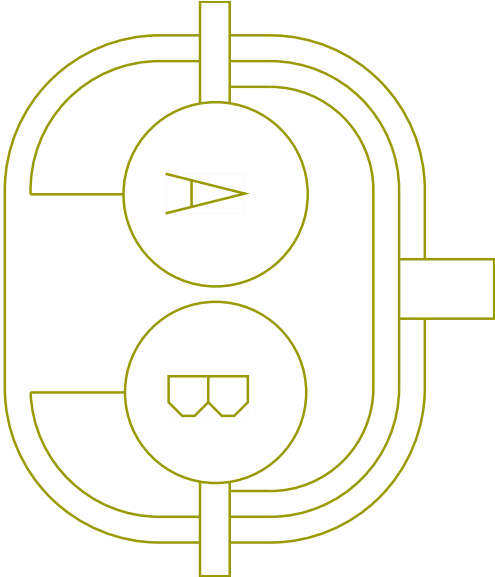
InstancesVehicle Sound Generator:Diagram1

MatesDEV-SOUND_GEN_FRONT_SPEAKE R-01



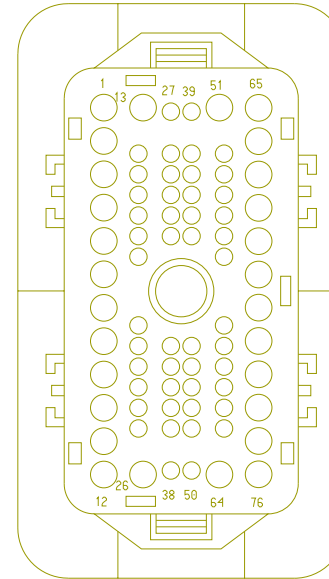
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	86CA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	24	M01_1700
B	-	-	86DA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	25	M01_1700

Connector Name M01_9700
Part Number 3543888C1
Instances Air Governor Control:Diagram1
Mates K03_7004



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	39A	-	0.0	18.0	-	GREY	0.0	-	C	M01_9000
B	-	-	97F	-	0.0	18.0	-	GREY	0.0	-	D	M01_9000

Connector Name N03_1701F
Part Number 3595622C1
Instances Antilock Brake System (ABS) (BENDIX 4 Channel
Implementation - No Modulator Twist):Diagram1
Backup Alarm (From Relay to 5 Pin Daisy Chain. Backup Alarm
Plugs in):Diagram1
Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
Body Builder Aux Power (IGN Power, EOF, Blunt Cut):Diagram1
Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1
License Plate Light (LED BOX LAMP Daisy Chain Tail
Light):Diagram1
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Stability Control (Bendix, Straight Truck, J1939 Driven
Lamp):Diagram1
Vehicle Sound Generator:Diagram1
Mates A67_1701



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	71A	-	0.0	14.0	-	ORANGE	0.0	-	1	N03_9800
1	-	-	71A	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	550.0	-	1	N03_9800
2	-	-	56	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	740.0	-	2	N03_9800
3	-	-	57	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	1390.0	-	-	-
4	-	-	68	-	0.0	14.0	-	BROWN	0.0	-	4	N03_9800
5	-	-	56T	-	0.0	10.0	-	YELLOW 2	0.0	-	B	N03_9716
6	-	-	57T	-	0.0	10.0	-	LIGHT GREEN	0.0	-	C	N03_9716

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
7	-	-	54T	-	0.0	10.0	-	BROWN	0.0	-	A	N03_9716
8	-	-	68T	-	0.0	10.0	-	BROWN	0.0	-	B	N03_9715
9	-	-	70T	-	0.0	10.0	-	RED	0.0	-	A	N03_9715
10	-	-	94T	-	0.0	10.0	-	GREY	0.0	-	C	N03_9715
16	-	-	94A	-	0.0	16.0	-	GREY	0.0	-	13	N03_9800
17	-	-	94B	-	0.0	16.0	-	ORANGE	0.0	-	-	-
18	-	-	94C	-	0.0	16.0	-	GREY	0.0	-	15	N03_9800
19	-	-	94D	-	0.0	16.0	-	GREY	0.0	-	16	N03_9800
20	-	-	94L	-	0.0	16.0	-	LIGHT BLUE	0.0	-	-	-
21	-	-	94J	-	0.0	16.0	-	GREY	0.0	-	20	N03_9800
22	-	-	94K	-	0.0	16.0	-	GREY	0.0	-	21	N03_9800
23	-	-	94E	-	0.0	16.0	-	GREY	0.0	-	17	N03_9800
24	-	-	94F	-	0.0	16.0	-	RED	0.0	-	-	-
25	-	-	94H	-	0.0	16.0	-	GREY	0.0	-	19	N03_9800
30	-	-	86CB	-	0.0	18.0	-	LIGHT GREEN	0.0	-	5	N03_9800
31	-	-	86DB	-	0.0	18.0	-	LIGHT GREEN	0.0	-	6	N03_9800
49	-	-	94SJ	-	0.0	16.0	-	GREY	0.0	-	1	N03_951 2A
54	-	-	94SAB	-	0.0	18.0	-	GREY	0.0	-	1	N03_951 4F
55	-	-	94SCB	-	0.0	18.0	-	GREY	0.0	-	2	N03_951 4F
56	-	-	94SBB	-	0.0	18.0	-	YELLOW 2	0.0	-	3	N03_951 4F
57	-	-	94SDB	-	0.0	18.0	-	GREEN	0.0	-	4	N03_951 4F
69	-	-	94SK	-	0.0	16.0	-	GREY	0.0	-	2	N03_951 2A

Connector Name

N03_1701F

Part Number

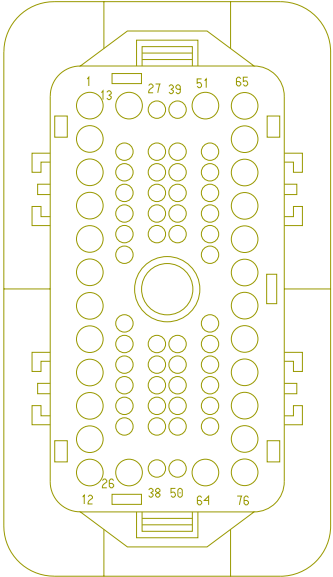
3595622C1

Instances

Power Lift Gate:Diagram1

Mates

A67_1701



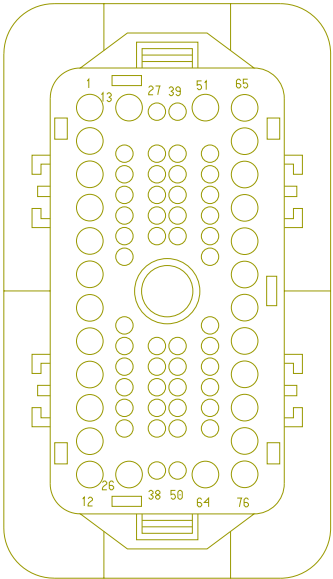
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
66	-	-	112	-	0.0	16.0	-	GREY	0.0	-	1	N03_7803

Connector NameN03_1701F

Part Number3595622C1

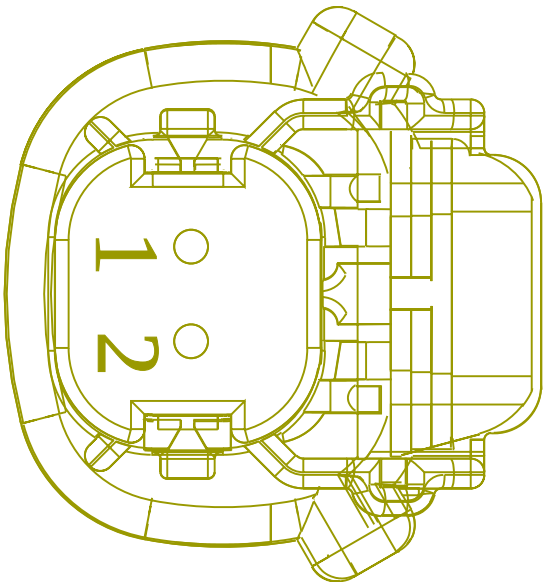
InstancesEnd of Frame Aux Work Light (One Light N/Relay):Diagram1

MatesA67_1701



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
68	-	-	65	-	0.0	16.0	-	ORANGE	0.0	-	7	9800

Connector Name N03_7803
Part Number 3950690C1
Instances Power Lift Gate:Diagram1
Mates RLY-Power_Lift_Gate_Relay- 2038-02-01B



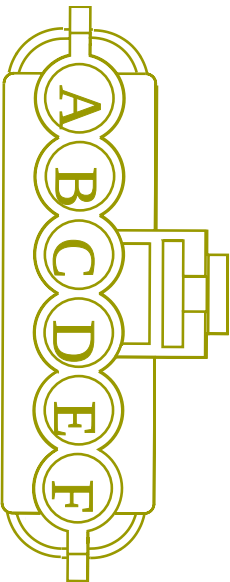
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	112	-	0.0	16.0	-	GREY	0.0	-	66	N03_170 1F
2	-	-	112-GD	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameN03_8809

Part Number3551896C1

InstancesCenter Chassis Ground Splice Pack 8809:Diagram1

MatesSP-0003-00-10-N0A-8809



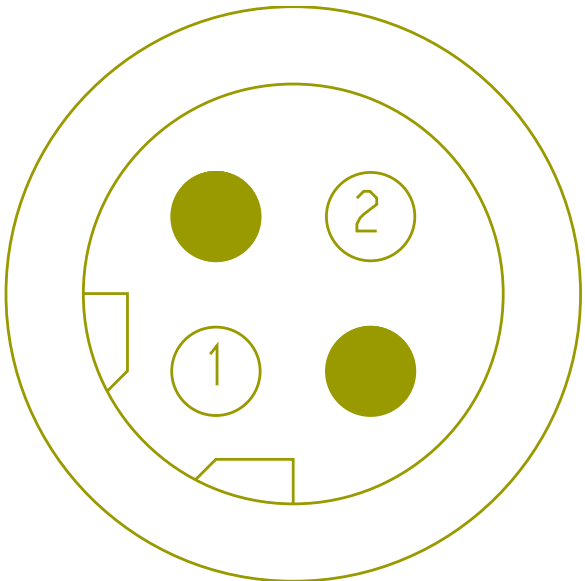
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	11-GA	-	0.0	12.0	-	WHITE	0.0	-	A	N03_9717B
B	-	-	10-G	-	0.0	12.0	-	WHITE	0.0	-	-	-
D	-	-	59A-G	-	0.0	14.0	-	WHITE	0.0	-	-	-
E	-	-	112-GD	-	0.0	16.0	-	WHITE	0.0	-	-	-
F	-	-	65-G	-	0.0	16.0	-	WHITE	0.0	-	-	-

Connector NameN03_9512A

Part Number3678796C1

InstancesStability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1

MatesDEV-TCV_SOLENOID-01



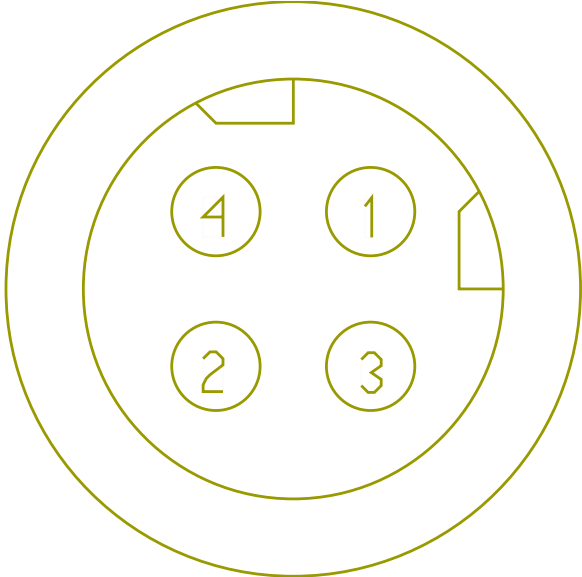
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	94SJ	-	0.0	16.0	-	GREY	0.0	-	49	N03_1701F
2	-	-	94SK	-	0.0	16.0	-	GREY	0.0	-	69	N03_1701F

Connector NameN03_9514F

Part Number3601685C1

InstancesStability Control (Bendix, Straight Truck, J1939 Driven Lamp):Diagram1

MatesDEV-YAW_RATE_SNSR-01



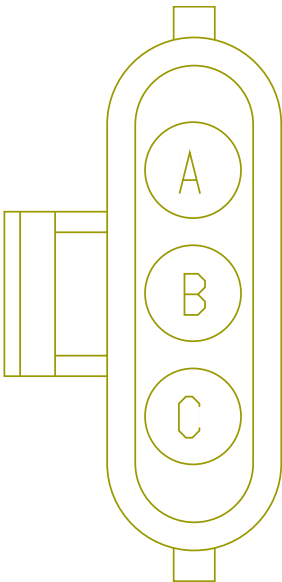
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	94SAB	-	0.0	18.0	-	GREY	0.0	-	54	N03_170 1F
2	-	-	94SCB	-	0.0	18.0	-	GREY	0.0	-	55	N03_170 1F
3	-	-	94SBB	-	0.0	18.0	-	YELLOW 2	0.0	-	56	N03_170 1F
4	-	-	94SDB	-	0.0	18.0	-	GREEN	0.0	-	57	N03_170 1F

Connector NameN03_9715

Part Number1667733C1

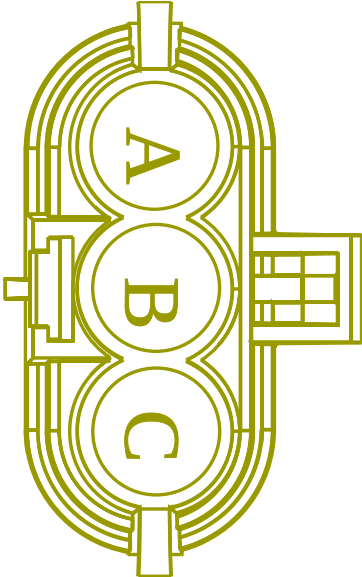
InstancesBody Builder Aux Power (IGN Power, EOF, Blunt Cut):Diagram1
Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1

MatesR01_9715F1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	70T	-	0.0	10.0	-	RED	0.0	-	9	N03_1701F
B	-	-	68T	-	0.0	10.0	-	BROWN	0.0	-	8	N03_1701F
C	-	-	94T	-	0.0	10.0	-	GREY	0.0	-	10	N03_1701F

Connector Name N03_9716
Part Number 1667732C1
Instances Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1
Mates R01_9716M1



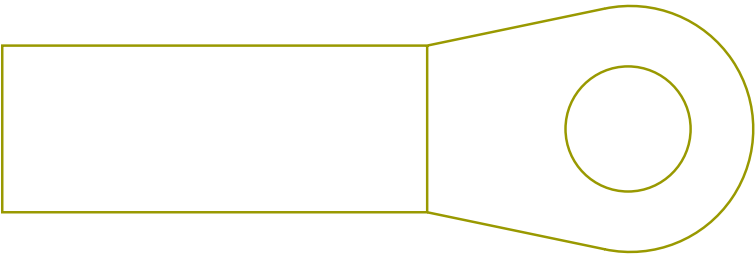
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	54T	-	0.0	10.0	-	BROWN	0.0	-	7	N03_1701F
B	-	-	56T	-	0.0	10.0	-	YELLOW 2	0.0	-	5	N03_1701F
C	-	-	57T	-	0.0	10.0	-	LIGHT GREEN	0.0	-	6	N03_1701F

Connector NameN03_9717A

Part Number3710088C1

Short DescriptionGround Stud 9717A

InstancesCenter Chassis Ground Splice Pack 8809:Diagram1

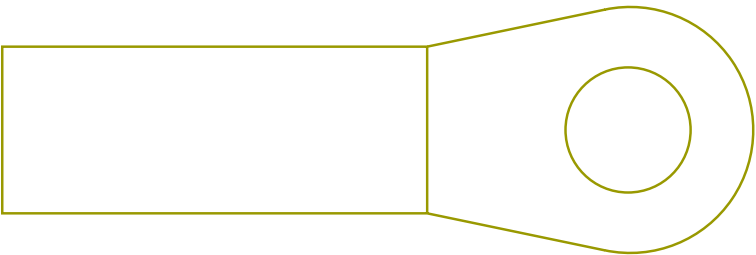


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	10D	-	0.0	8.0	-	WHITE	0.0	-	-	-

Connector NameN03_9717B

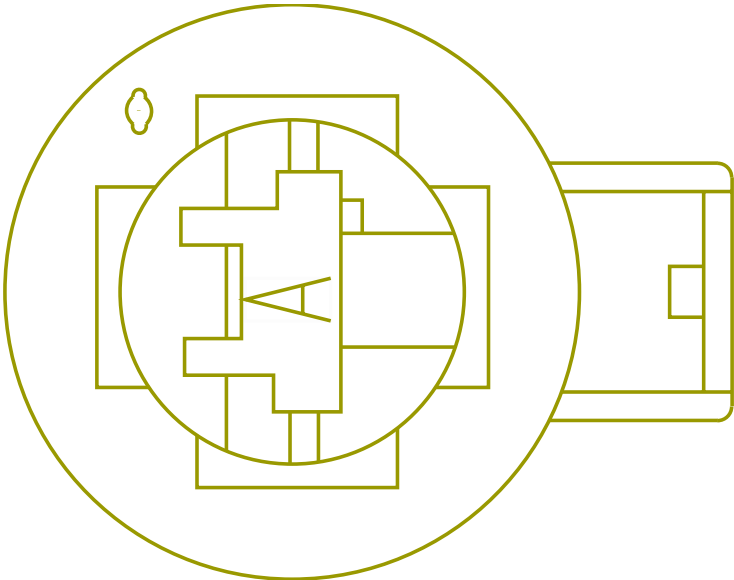
Part Number3721577C1

InstancesCenter Chassis Ground Splice Pack 8809:Diagram1
License Plate Light (LED BOX LAMP Daisy Chain Tail
Light):Diagram1



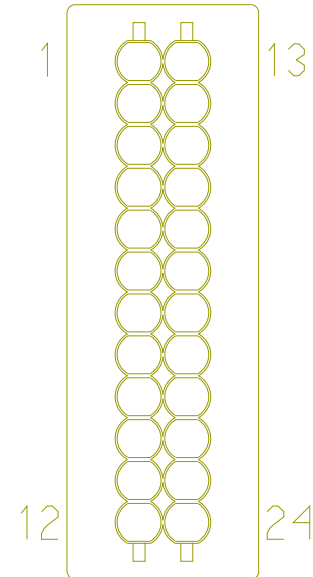
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	11-GA	-	0.0	12.0	-	WHITE	0.0	-	A	N03_8809
A	-	-	11-GA	-	0.0	12.0	-	WHITE	0.0	-	-	-

Connector Name N03_9717
Part Number 3700151C1
Instances Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1
Mates R01_9717F1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	10D	-	0.0	8.0	-	WHITE	0.0	-	-	-

Connector Name N03_9800
Part Number 3558026C1
Instances Antilock Brake System (ABS) (BENDIX 4 Channel
Implementation - No Modulator Twist):Diagram1
Backup Alarm (From Relay to 5 Pin Daisy Chain. Backup Alarm
Plugs in):Diagram1
Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
License Plate Light (LED BOX LAMP Daisy Chain Tail
Light):Diagram1
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Vehicle Sound Generator:Diagram1
Mates R01_9800



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	71A	-	0.0	14.0	-	ORANGE	0.0	-	1	N03_170 1F
1	-	-	71A	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	550.0	-	1	N03_170 1F
2	-	-	56	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	740.0	-	2	N03_170 1F
3	-	-	57	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	1390.0	-	-	-
4	-	-	68	-	0.0	14.0	-	BROWN	0.0	-	4	N03_170 1F
5	-	-	86CB	-	0.0	18.0	-	LIGHT GREEN	0.0	-	30	N03_170 1F

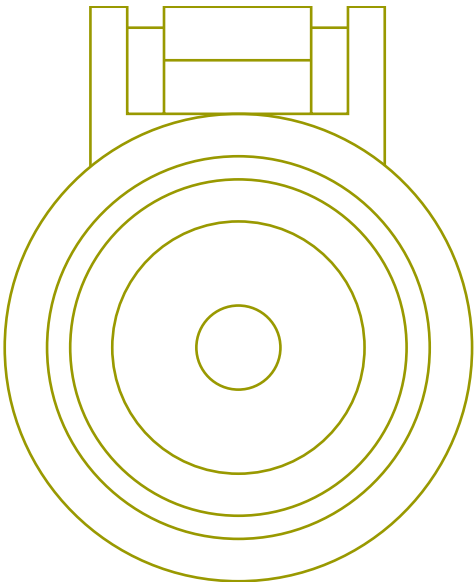
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
6	-	-	86DB	-	0.0	18.0	-	LIGHT GREEN	0.0	-	31	N03_170 1F
12	-	-	10-G	-	0.0	12.0	-	WHITE	0.0	-	-	-
12	-	-	10-G	-	0.0	12.0	-	WHITE	0.0	-	E	R01_930 3A
13	-	-	94A	-	0.0	16.0	-	GREY	0.0	-	16	N03_170 1F
14	-	-	94B	-	0.0	16.0	-	ORANGE	0.0	-	-	-
15	-	-	94C	-	0.0	16.0	-	GREY	0.0	-	18	N03_170 1F
16	-	-	94D	-	0.0	16.0	-	GREY	0.0	-	19	N03_170 1F
17	-	-	94E	-	0.0	16.0	-	GREY	0.0	-	23	N03_170 1F
18	-	-	94F	-	0.0	16.0	-	RED	0.0	-	-	-
19	-	-	94H	-	0.0	16.0	-	GREY	0.0	-	25	N03_170 1F
20	-	-	94J	-	0.0	16.0	-	GREY	0.0	-	21	N03_170 1F
21	-	-	94K	-	0.0	16.0	-	GREY	0.0	-	22	N03_170 1F
22	-	-	94L	-	0.0	16.0	-	LIGHT BLUE	0.0	-	-	-

Connector NameN11_4411M1

Part Number3517760C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesDEV-RPM-01



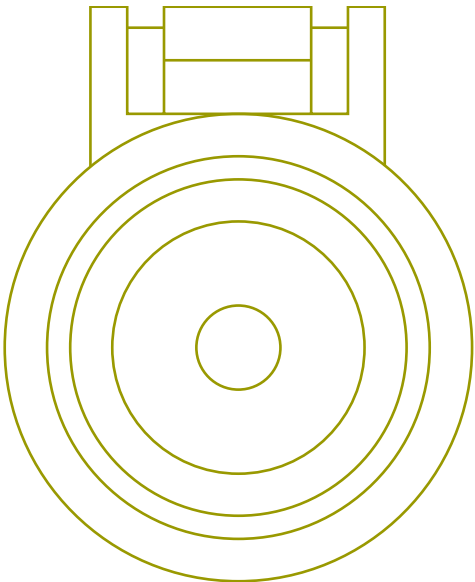
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	PB14CY	-	0.0	4.0	-	RED	0.0	-	A	N11_4413F1

Connector NameN11_4411M2

Part Number3517760C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesDEV-RPM-02



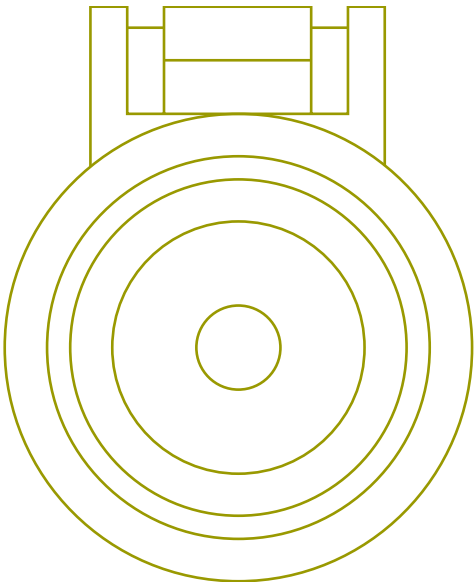
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	PC14H	-	0.0	4.0	-	RED	0.0	-	A	N11_4413F2

Connector NameN11_4411M3

Part Number3517760C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesDEV-RPM-03



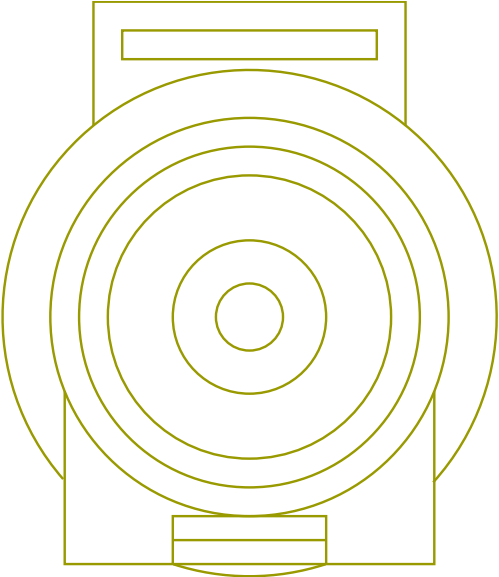
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	PE14E	-	0.0	4.0	-	RED	0.0	-	A	N11_4413F3

Connector NameN11_4413F1

Part Number3517759C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesP8T_4412M



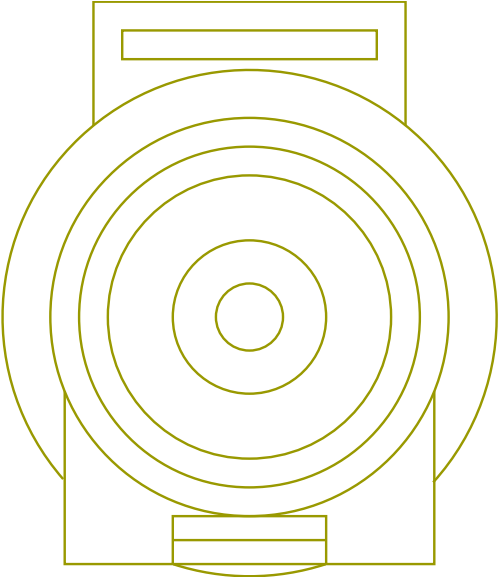
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	PB14CY	-	0.0	4.0	-	RED	0.0	-	A	N11_4411M1

Connector NameN11_4413F2

Part Number3517759C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesP8U_4412M



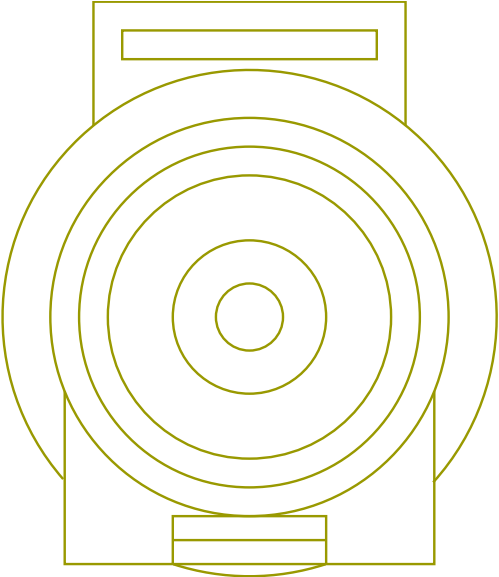
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	PC14H	-	0.0	4.0	-	RED	0.0	-	A	N11_4411M2

Connector NameN11_4413F3

Part Number3517759C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesP8U_4320M



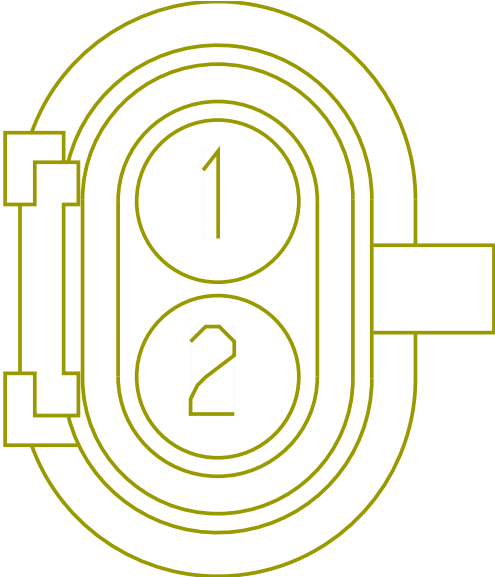
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	PE14E	-	0.0	4.0	-	RED	0.0	-	A	N11_441 1M3

Connector NameP01_9000

Part Number2206587C1

InstancesCompressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1

MatesDEV-QX_INVERTER-01



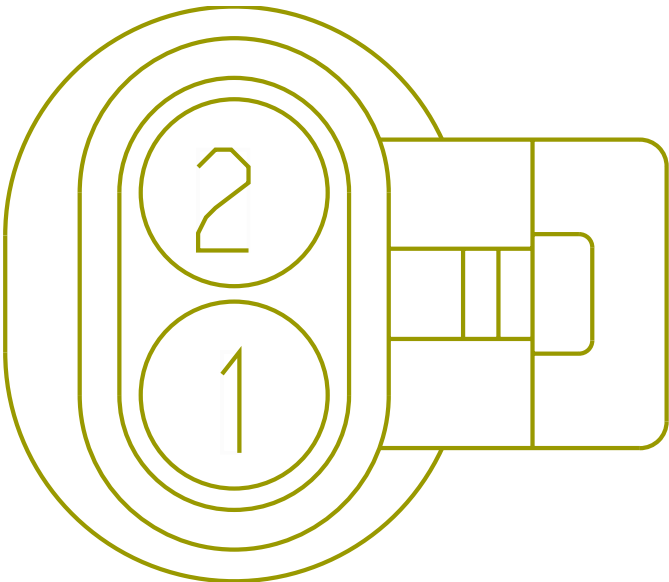
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	M77	-	0.0	18.0	-	RED	0.0	-	1	P01_9001
2	-	-	M77-G	-	0.0	18.0	-	RED	0.0	-	2	P01_9001

Connector NameP01_9001

Part Number2206588C1

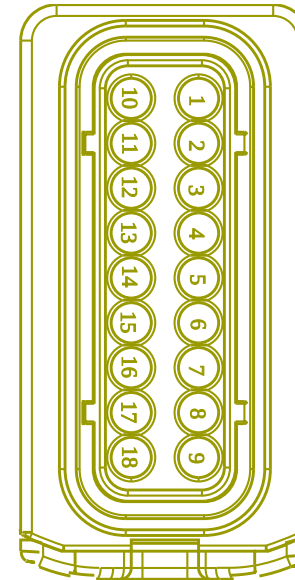
InstancesCompressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1

MatesDEV-AIR_COMPRESSOR-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	M77	-	0.0	18.0	-	RED	0.0	-	1	P01_9000
2	-	-	M77-G	-	0.0	18.0	-	RED	0.0	-	2	P01_9000

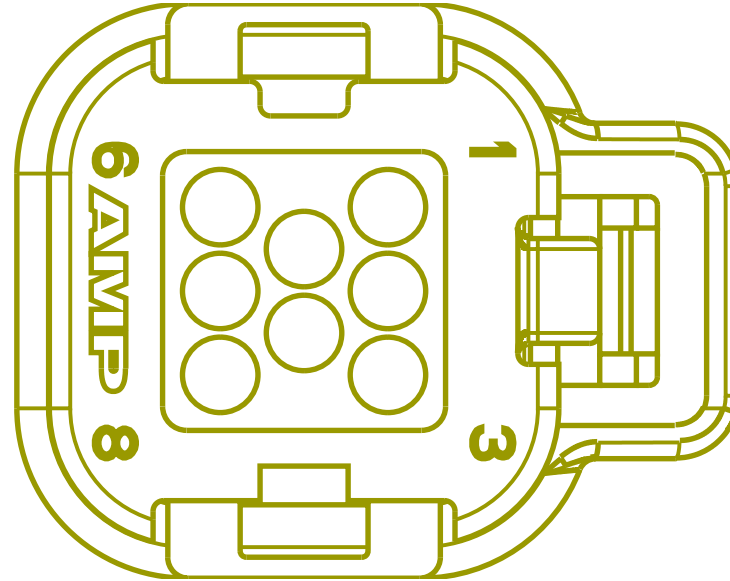
Connector Name P02_6081
Part Number 6132204C1
Instances Battery Management System (Post 05-2022) Option 1:Diagram1
Battery Management System (Post 05-2022) Option 2:Diagram1
Battery Management System (Pre 05-2022):Diagram1
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Mates DEV-SWITCH_BOX-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	N14D	-	0.0	18.0	-	RED	0.0	-	PIN1	-
2	-	-	N14E	-	0.0	18.0	-	RED	0.0	-	PIN1	-
4	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	WIRE775 729	-	0.0	-	-	-	0.0	-	PIN1	-
5	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	WIRE775 721	-	0.0	-	-	-	0.0	-	PIN1	-
7	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	WIRE775 844	-	0.0	-	-	-	0.0	-	E	P02_6090
8	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	WIRE775 847	-	0.0	-	-	-	0.0	-	F	P02_6090
10	-	-	N11D	-	0.0	18.0	-	BLACK	0.0	-	PIN1	-
11	-	-	N11E	-	0.0	18.0	-	BLACK	0.0	-	PIN1	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
13	-	-	N97H	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector Name P02_6084
Part Number 4243345C1
Instances Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1
HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC:HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC
Mates DEV-DC/DC_CONVERTER_2-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	N13C	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
2	-	-	N11B	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
3	-	-	N11C	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
5	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	WIRE775 654	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	WIRE775 655	-	0.0	-	-	-	0.0	-	PIN1	-
7	-	-	N27A	-	0.0	18.0	-	TAN	0.0	-	PIN1	-
8	-	-	N27A-G	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name

P02_6085

Part Number

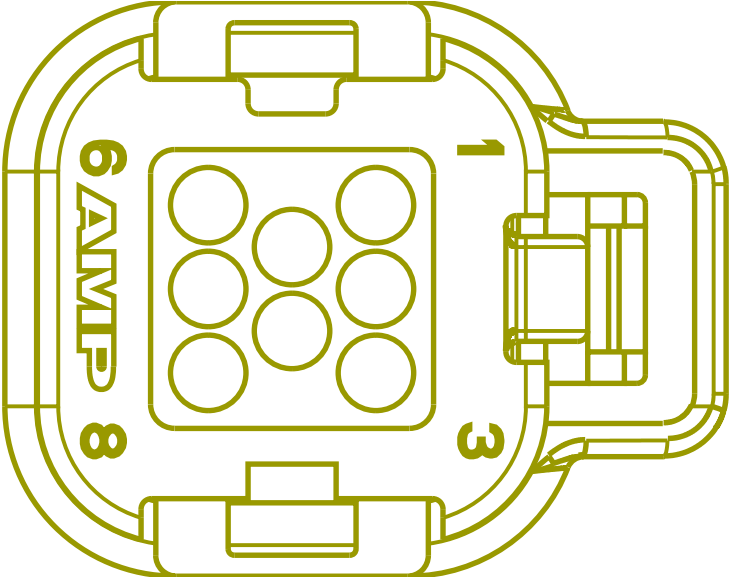
4243345C1

Instances

Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1
HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC:HV Controls J1939 (500Kbps) with Power Solutions DC/DC 0008WUC

Mates

DEV-DC/DC_CONVERTER_1-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	N13D	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
5	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	WIRE775 660	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	WIRE775 658	-	0.0	-	-	-	0.0	-	PIN1	-
7	-	-	N27B	-	0.0	18.0	-	TAN	0.0	-	PIN1	-
8	-	-	N278-G	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name

P02_6086

Part Number

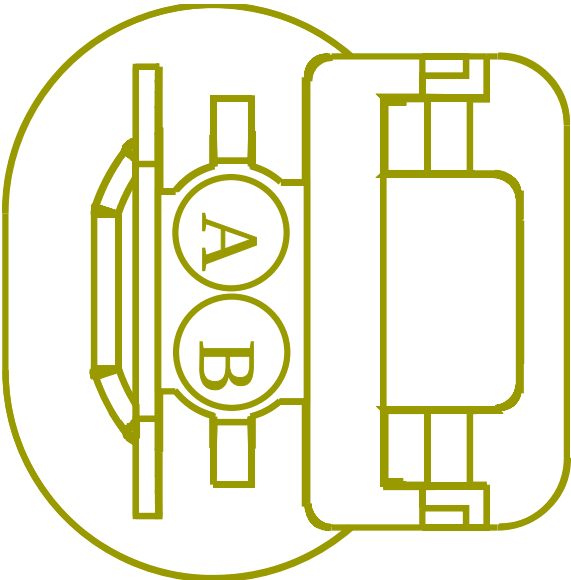
4173578C1

Instances

HV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC

Mates

Terminating Resistor



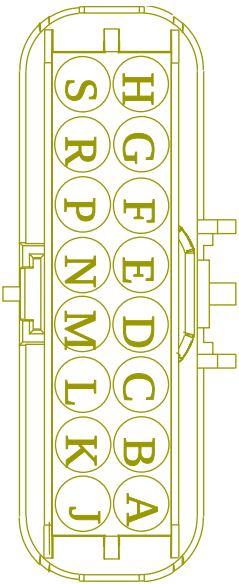
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775 664	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE775 663	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameP02_6090

Part Number3580540C1

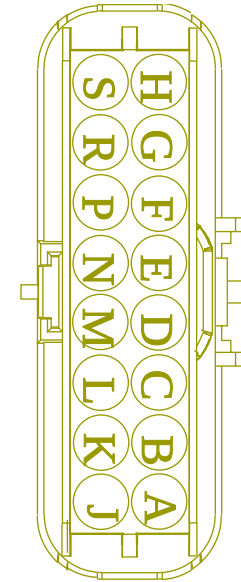
InstancesHV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)

MatesK03_6090



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775 653	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE775 656	-	0.0	-	-	-	0.0	-	PIN1	-
E	-	-	WIRE775 844	-	0.0	-	-	-	0.0	-	7	P02_6081
F	-	-	WIRE775 847	-	0.0	-	-	-	0.0	-	8	P02_6081
R	-	-	WIRE775 728	-	0.0	-	-	-	0.0	-	PIN1	-
S	-	-	WIRE775 722	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name P02_6090
Part Number 3580540C1
Instances Battery Management System (Post 05-2022) Option 2:Diagram1
Battery Management System (Post 05-2022) Option 2:Diagram2
Battery Management System (Pre 05-2022):Diagram1
Battery Management System (Pre 05-2022):Diagram2
Charging System (W/VCU) Dual DC/DC Converter W/ Power
Solutions 0008WUC:Diagram1
High-Voltage Distribution Module (HVDM):Diagram1
High-Voltage Interlock:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter):Diagram1
Vehicle Control Unit (VCU):Diagram1
Mates K03_6090



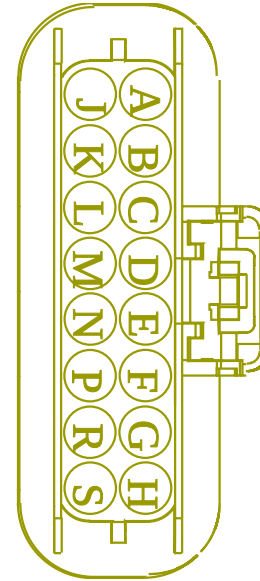
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	N6A	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
D	-	-	N32A	-	0.0	18.0	-	TAN	0.0	-	-	-
G	-	-	N97A	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
H	-	-	N13A	-	0.0	18.0	-	PINK	0.0	-	7	P02_6092
J	-	-	N97B	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
K	-	-	N97C	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
L	-	-	N13B	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
M	-	-	N97D	-	0.0	18.0	-	VIOLET	0.0	-	6	P02_6092
N	-	-	N19A	-	0.0	18.0	-	GREY	0.0	-	3	P02_6092
P	-	-	N19B	-	0.0	18.0	-	GREY	0.0	-	-	-
P	-	-	N19B	-	0.0	18.0	-	GREY	0.0	-	K	P02_6094

Connector Name P02_6091

Part Number 3580539C1

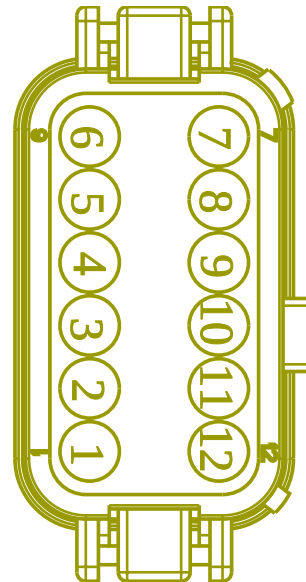
Instances Battery Management System (Post 05-2022) Option 2:Diagram1
 Battery Management System (Post 05-2022) Option 2:Diagram2
 Battery Management System (Pre 05-2022):Diagram1
 Battery Management System (Pre 05-2022):Diagram2
 Charging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1
 High-Voltage Interlock:Diagram1
 Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1
 Powertrain Ground Distribution:Diagram1

Mates K03_6091



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B	-	-	N97E	-	0.0	18.0	-	VIOLET	0.0	-	5	P02_6092
E	-	-	N14A	-	0.0	14.0	-	RED	0.0	-	PIN1	-
F	-	-	N14B	-	0.0	16.0	-	RED	0.0	-	PIN1	-
G	-	-	N14C	-	0.0	16.0	-	RED	0.0	-	1	P02_6092
H	-	-	N97G	-	0.0	18.0	-	VIOLET	0.0	-	4	P02_6092
R	-	-	N11M	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-
S	-	-	N11A	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

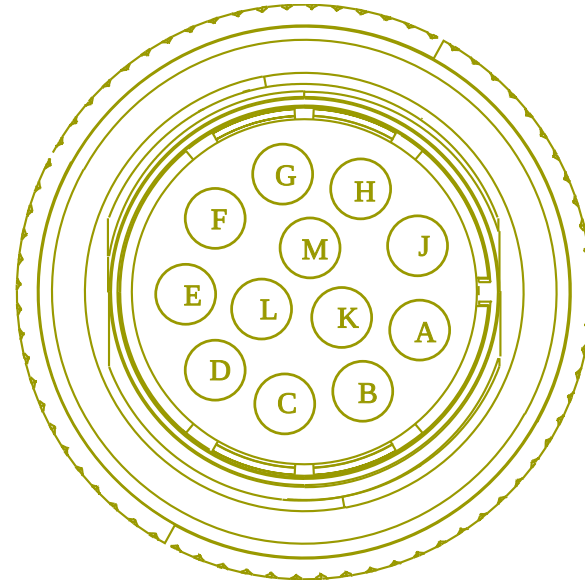
Connector Name P02_6092
Part Number 3601923C1
Instances Battery Management System (Post 05-2022) Option 2:Diagram2
Battery Management System (Pre 05-2022):Diagram2
High-Voltage Distribution Module (HVDM):Diagram1
High-Voltage Interlock:Diagram1
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Mates DEV-HVDM-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	N14C	-	0.0	16.0	-	RED	0.0	-	-	-
1	-	-	N14C	-	0.0	16.0	-	RED	0.0	-	G	P02_6091
2	-	-	N11F	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
2	-	-	N11F	-	0.0	18.0	-	WHITE	0.0	-	-	-
3	-	-	N19A	-	0.0	18.0	-	GREY	0.0	-	-	-
3	-	-	N19A	-	0.0	18.0	-	GREY	0.0	-	N	P02_6090
4	-	-	N97G	-	0.0	18.0	-	VIOLET	0.0	-	H	P02_6091
4	-	-	N97G	-	0.0	18.0	-	VIOLET	0.0	-	-	-
5	-	-	N97E	-	0.0	18.0	-	VIOLET	0.0	-	B	P02_6091
5	-	-	N97E	-	0.0	18.0	-	VIOLET	0.0	-	-	-
6	-	-	N97D	-	0.0	18.0	-	VIOLET	0.0	-	M	P02_6090
6	-	-	N97D	-	0.0	18.0	-	VIOLET	0.0	-	-	-
7	-	-	N13A	-	0.0	18.0	-	PINK	0.0	-	H	P02_6090
8	-	-	N97M	-	0.0	18.0	-	VIOLET	0.0	-	-	-
8	-	-	N97M	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
10	-	-	WIRE775 731	-	0.0	-	-	-	0.0	-	PIN1	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	WIRE775 724	-	0.0	-	-	-	0.0	-	PIN1	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	N6C	-	0.0	18.0	-	GREY	0.0	-	-	-
12	-	-	N6C	-	0.0	18.0	-	GREY	0.0	-	PIN1	-

Connector Name P02_6094
Part Number 4283563C1
Instances High-Voltage Interlock:Diagram1
HV Controls J1939 (500Kbps) with Power Solutions DC/DC
0008WUC:HV Controls J1939 (500Kbps) with Power Solutions
DC/DC 0008WUC
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter):Diagram1
Mates DEV-TPIM-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	-	-	-	-	-	-	-	-	-	-
C	-	-	WIRE775665	-	0.0	-	-	-	0.0	-	PIN1	-
D	-	-	-	-	-	-	-	-	-	-	-	-
D	-	-	WIRE775666	-	0.0	-	-	-	0.0	-	PIN1	-
E	-	-	N14F	-	0.0	18.0	-	RED	0.0	-	PIN1	-
F	-	-	N14G	-	0.0	18.0	-	RED	0.0	-	PIN1	-
G	-	-	N97J	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
J	-	-	N6D	2643673R1	0.79	18.0	Std. Wall XLPE Primary Cable	GREY	0.0	-	PIN1	-
K	-	-	N19B	-	0.0	18.0	-	GREY	0.0	-	P	P02_6090
K	-	-	N19B	-	0.0	18.0	-	GREY	0.0	-	-	-
L	-	-	N11G	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
M	-	-	N11H	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name

P02_6097A

Part Number

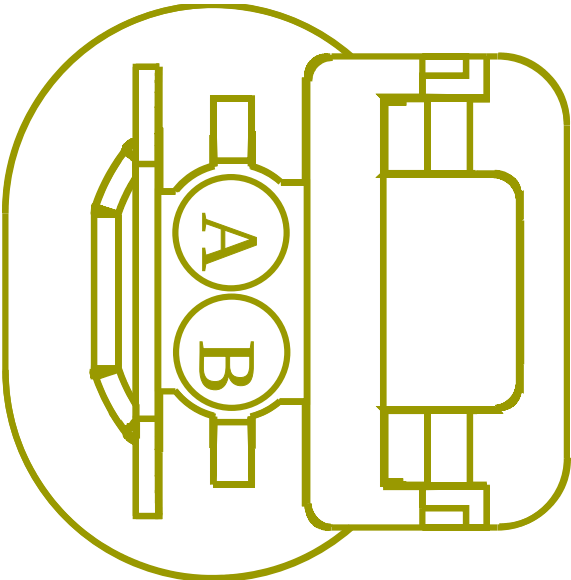
4173578C1

Instances

Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1

Mates

DEV-TPIM_RESISTOR_A-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N97L	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	N11L	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name

P02_6097B

Part Number

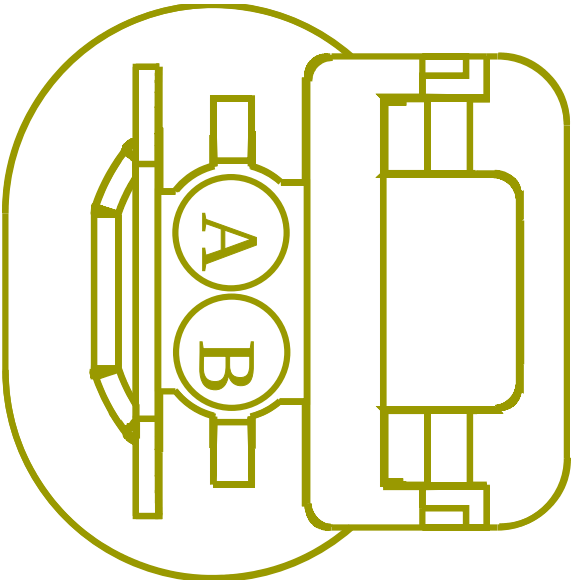
4173578C1

Instances

Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter):Diagram1

Mates

DEV-TPIM_RESISTOR_B-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N97P	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	N11P	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name

P02_6098

Part Number

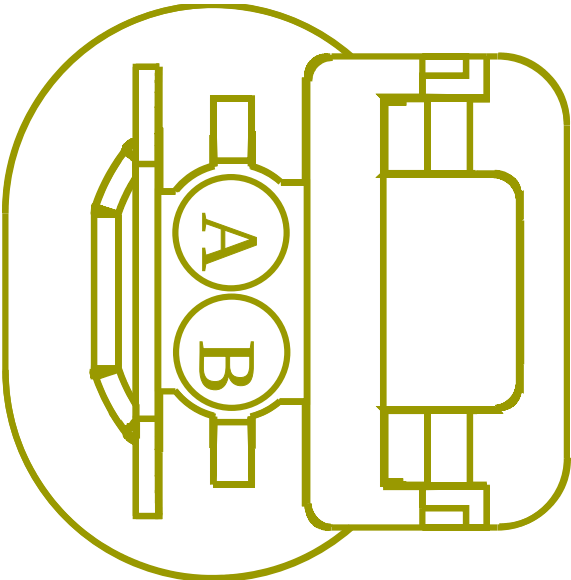
4173578C1

Instances

Battery Management System (Post 05-2022) Option 2:Diagram1
Battery Management System (Pre 05-2022):Diagram1

Mates

DEV-BMS_RESISTOR-01



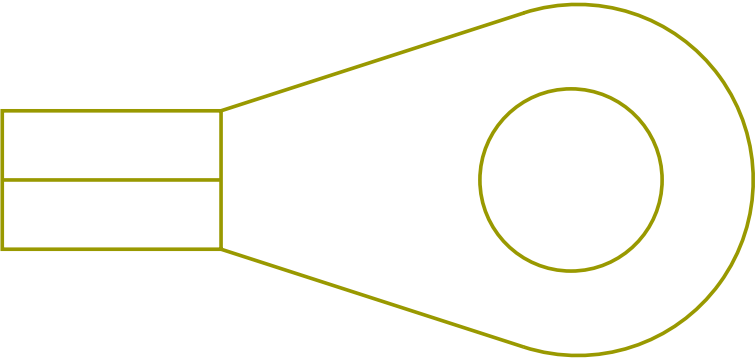
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N97K	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	N11K	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameP02_6100

Part Number3863609C1

InstancesCharging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1

Mates12 Volt



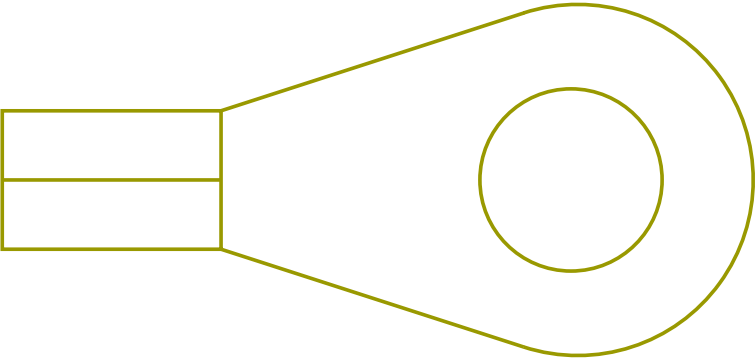
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N27C	-	0.0	18.0	-	TAN	0.0	-	PIN1	-

Connector NameP02_6101

Part Number3863609C1

InstancesCharging System (W/VCU) Dual DC/DC Converter W/ Power Solutions 0008WUC:Diagram1

Mates12 Volt



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N27C-G	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name

P02_8000

Part Number

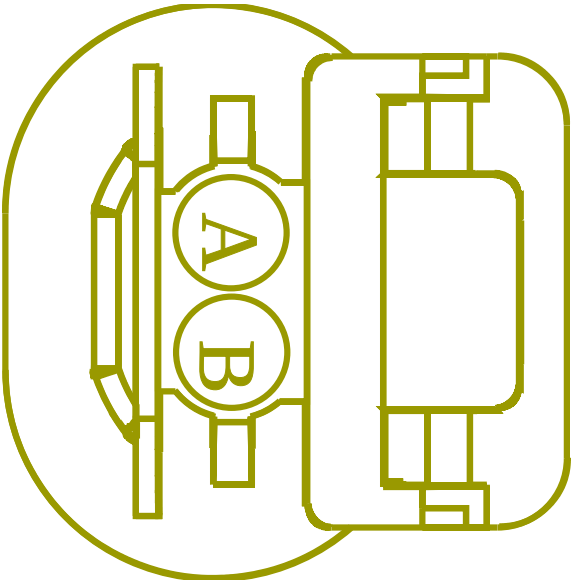
4173578C1

Instances

HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)

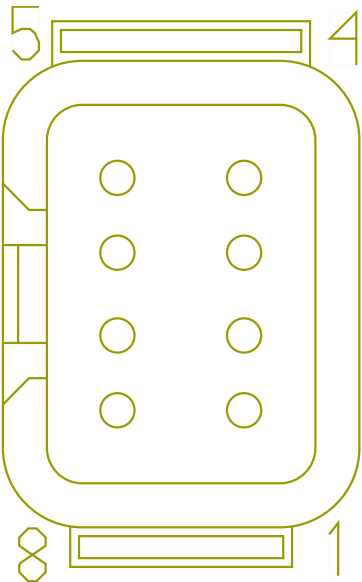
Mates

TERMINATING RESISTOR



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE775732	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE775725	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name P03_6055
Part Number 3539140C1
Instances (PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Powertrain Ground Distribution:Diagram1
Mates K03_6055



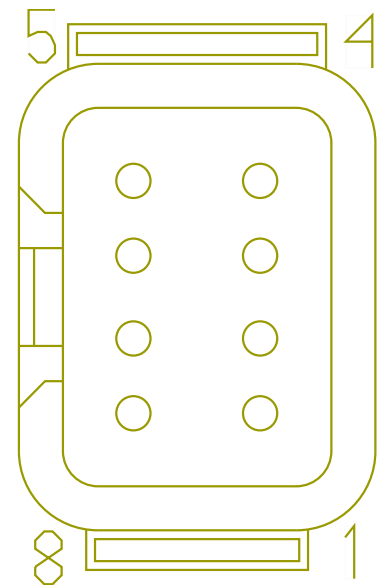
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE775843	-	0.0	-	-	-	0.0	-	E2	P03_7875
2	-	-	WIRE775842	-	0.0	-	-	-	0.0	-	F2	P03_7875
3	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	P14	-	0.0	18.0	-	RED	0.0	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-

Connector NameP03_6055

Part Number3539140C1

InstancesCharge Port Monitoring OCI System:Diagram1

MatesK03_6055



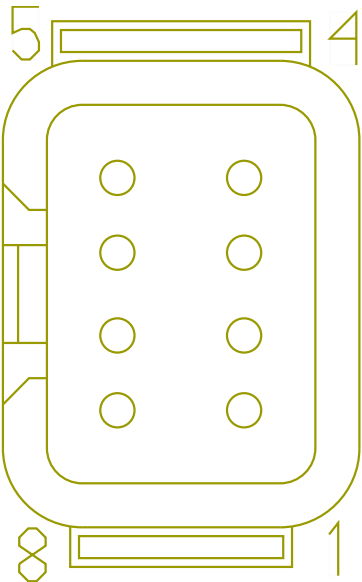
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
4	-	-	P13	-	0.0	18.0	-	PINK	0.0	-	J3	P03_7875
5	-	-	P14	-	0.0	18.0	-	RED	0.0	-	M4	P03_7875

Connector NameP03_6055

Part Number3539140C1

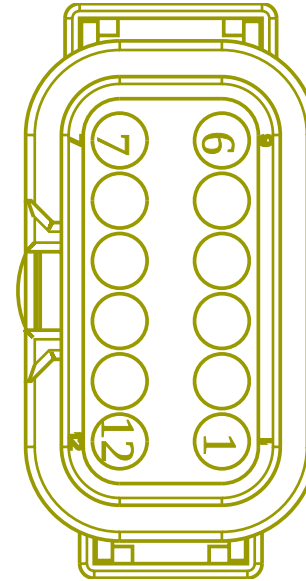
InstancesCharge Port Monitoring OCI System (Rev 2):Diagram1

MatesP60_6055



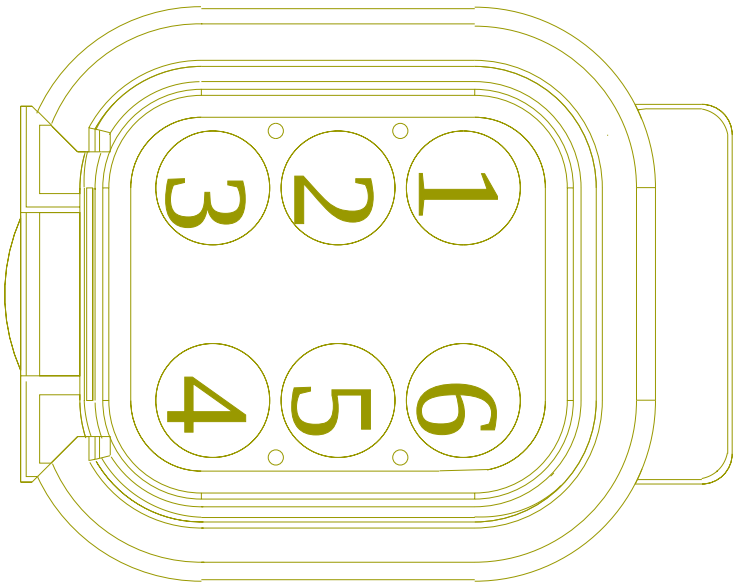
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
4	-	-	P13	-	0.0	18.0	-	PINK	0.0	-	J3	P03_7875
5	-	-	P14	-	0.0	18.0	-	RED	0.0	-	M4	P03_7875

Connector Name P03_7850
Part Number 3589991C1
Instances Charge Port Monitoring OCI System:Diagram1
Charge Port Monitoring OCI System (Rev 2):Diagram1
Mates DEV-CCS_INLET_SIGNAL-01



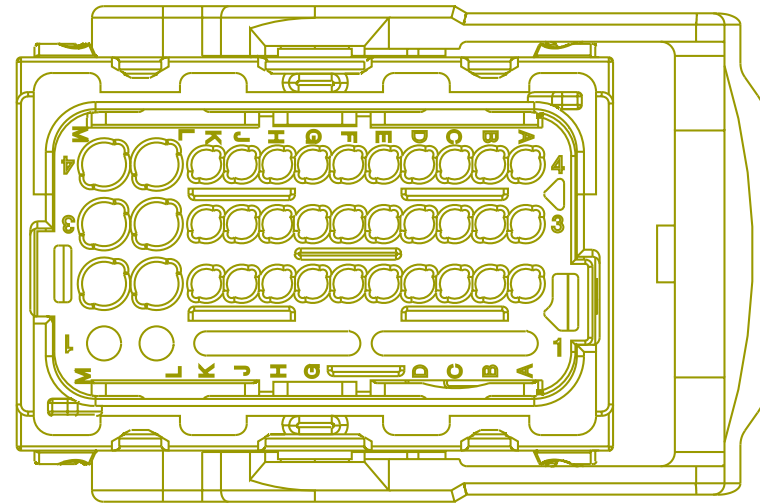
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	P97A	-	0.0	18.0	-	VIOLET	0.0	-	A2	P03_7875
2	-	-	P97B	-	0.0	18.0	-	VIOLET	0.0	-	J2	P03_7875
3	-	-	P97C	-	0.0	18.0	-	VIOLET	0.0	-	K2	P03_7875
4	-	-	P97D	-	0.0	18.0	-	VIOLET	0.0	-	A3	P03_7875
5	-	-	P9A	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
6	-	-	P97E	-	0.0	18.0	-	VIOLET	0.0	-	L3	P03_7875
7	-	-	P97F	-	0.0	18.0	-	VIOLET	0.0	-	M3	P03_7875
8	-	-	P97H	-	0.0	18.0	-	VIOLET	0.0	-	B4	P03_7875
9	-	-	P9B	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
10	-	-	P9C	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
11	-	-	P11	-	0.0	16.0	-	WHITE	0.0	-	L2	P03_7875
12	-	-	P10	-	0.0	18.0	-	WHITE	0.0	-	M2	P03_7875

Connector Name P03_7852
Part Number 4088967C1
Instances Charge Port Monitoring OCI System:Diagram1
 Charge Port Monitoring OCI System (Rev 2):Diagram1
Mates DEV-LED_CHARGING_BUTTON-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	P9E	-	0.0	18.0	-	GREY	0.0	-	C4	P03_7875
2	-	-	P9F	-	0.0	18.0	-	GREY	0.0	-	D4	P03_7875
3	-	-	P97J	-	0.0	18.0	-	VIOLET	0.0	-	F4	P03_7875
4	-	-	P97K	-	0.0	18.0	-	VIOLET	0.0	-	G4	P03_7875
5	-	-	P97L	-	0.0	18.0	-	VIOLET	0.0	-	H4	P03_7875
6	-	-	P9G	-	0.0	18.0	-	GREY	0.0	-	E4	P03_7875

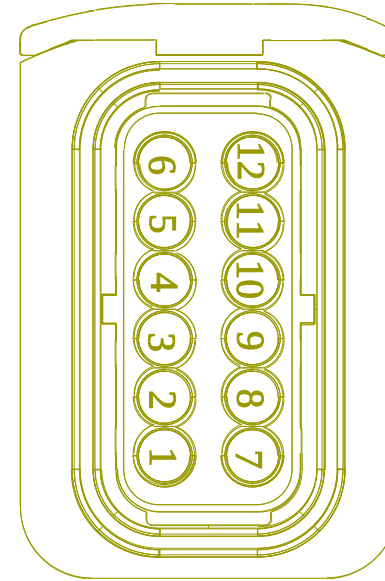
Connector Name P03_7875
Part Number 4258263C1
Instances Charge Port Monitoring OCI System:Diagram1
Charge Port Monitoring OCI System (Rev 2):Diagram1
HV Power J1939 (500Kbps):HV Power J1939 (500Kbps)
Mates DEV-OCI-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A2	-	-	P97A	-	0.0	18.0	-	VIOLET	0.0	-	1	P03_7850
A3	-	-	P97D	-	0.0	18.0	-	VIOLET	0.0	-	4	P03_7850
B3	-	-	P9D	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
B4	-	-	P97H	-	0.0	18.0	-	VIOLET	0.0	-	8	P03_7850
C4	-	-	P9E	-	0.0	18.0	-	GREY	0.0	-	1	P03_7852
D4	-	-	P9F	-	0.0	18.0	-	GREY	0.0	-	2	P03_7852
E2	-	-	WIRE775843	-	0.0	-	-	-	0.0	-	1	P03_6055
E4	-	-	P9G	-	0.0	18.0	-	GREY	0.0	-	6	P03_7852
F2	-	-	WIRE775842	-	0.0	-	-	-	0.0	-	2	P03_6055
F4	-	-	P97J	-	0.0	18.0	-	VIOLET	0.0	-	3	P03_7852
G4	-	-	P97K	-	0.0	18.0	-	VIOLET	0.0	-	4	P03_7852
H4	-	-	P97L	-	0.0	18.0	-	VIOLET	0.0	-	5	P03_7852
J2	-	-	P97B	-	0.0	18.0	-	VIOLET	0.0	-	2	P03_7850

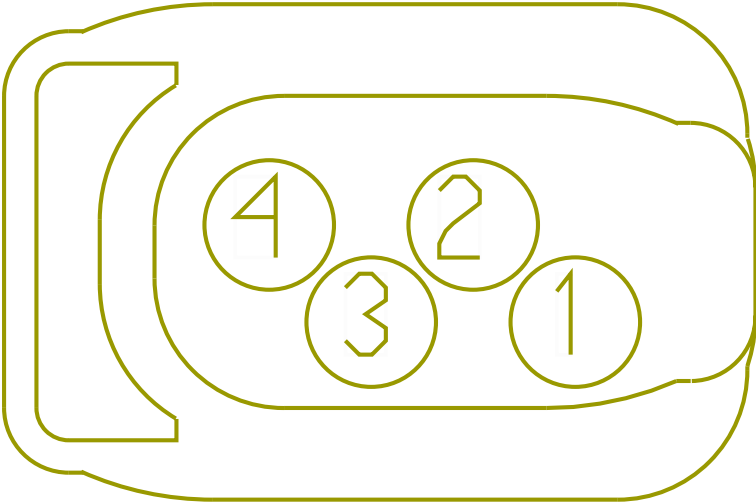
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
J3	-	-	P13	-	0.0	18.0	-	PINK	0.0	-	4	P03_6055
K2	-	-	P97C	-	0.0	18.0	-	VIOLET	0.0	-	3	P03_7850
L2	-	-	P11	-	0.0	16.0	-	WHITE	0.0	-	11	P03_7850
L3	-	-	P97E	-	0.0	18.0	-	VIOLET	0.0	-	6	P03_7850
M2	-	-	P10	-	0.0	18.0	-	WHITE	0.0	-	12	P03_7850
M3	-	-	P97F	-	0.0	18.0	-	VIOLET	0.0	-	7	P03_7850
M4	-	-	P14	-	0.0	18.0	-	RED	0.0	-	5	P03_6055

Connector Name P04_9000
Part Number 3850730C1
Instances Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC
Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram2 - Sensors
Mates DEV-RADIATOR_MODULE-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K6B	-	0.0	18.0	-	GREY	0.0	-	4	P04_9001
2	-	-	K40B	-	0.0	20.0	-	WHITE	0.0	-	2	P04_9001
3	-	-	K41B	-	0.0	20.0	-	BROWN	0.0	-	3	P04_9001
4	-	-	K9-GB	-	0.0	20.0	-	BLACK	0.0	-	1	P04_9001
5	-	-	K6A	-	0.0	20.0	-	RED	0.0	-	4	P04_9002
6	-	-	K40A	-	0.0	20.0	-	WHITE	0.0	-	2	P04_9002
7	-	-	K41A	2645624 R1	0.35	22.0	Thin Wall XLPE Primary Cable	TAN	0.0	-	3	P04_9002
8	-	-	K9-GA	-	0.0	20.0	-	BLACK	0.0	-	1	P04_9002
10	-	-	K77A	-	0.0	20.0	-	DARK BLUE	0.0	-	A	P04_9003
11	-	-	K75-G	-	0.0	18.0	-	WHITE	0.0	-	B	P04_9003

Connector Name P04_9001
Part Number 3600324C1
Instances Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram2 - Sensors
Mates DEV-COND_P/T_SENSOR-01



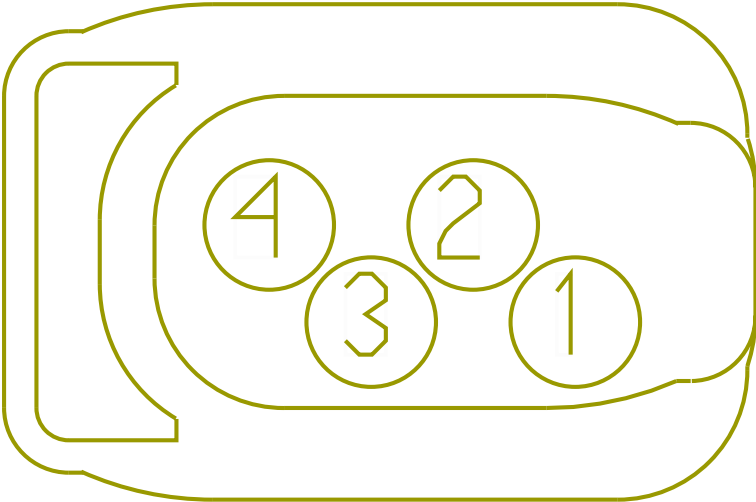
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K9-GB	-	0.0	20.0	-	BLACK	0.0	-	4	P04_9000
2	-	-	K40B	-	0.0	20.0	-	WHITE	0.0	-	2	P04_9000
3	-	-	K41B	-	0.0	20.0	-	BROWN	0.0	-	3	P04_9000
4	-	-	K6B	-	0.0	18.0	-	GREY	0.0	-	1	P04_9000

Connector NameP04_9002

Part Number3600324C1

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram2 - Sensors

MatesDEV-EVAP_P/T_SENSOR-01



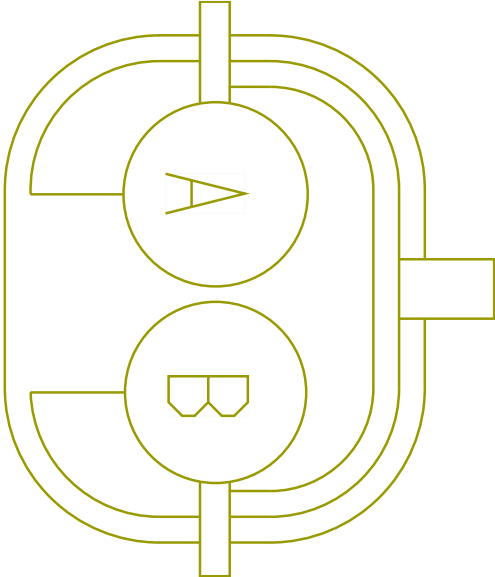
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K9-GA	-	0.0	20.0	-	BLACK	0.0	-	8	P04_9000
2	-	-	K40A	-	0.0	20.0	-	WHITE	0.0	-	6	P04_9000
3	-	-	K41A	2645624 R1	0.35	22.0	Thin Wall XLPE Primary Cable	TAN	0.0	-	7	P04_9000
4	-	-	K6A	-	0.0	20.0	-	RED	0.0	-	5	P04_9000

Connector NameP04_9003

Part Number3543888C1

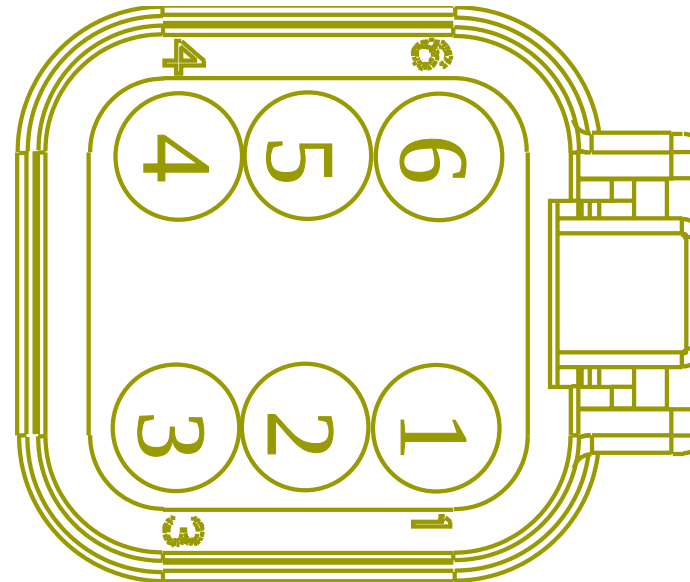
InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC

MatesM01_8900



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K77A	-	0.0	20.0	-	DARK BLUE	0.0	-	10	P04_9000
B	-	-	K75-G	-	0.0	18.0	-	WHITE	0.0	-	11	P04_9000

Connector Name P101_6056M
Part Number 3572899C1
Instances Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2
Engine Speed Control (ePTO):Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Mates P86_6056F



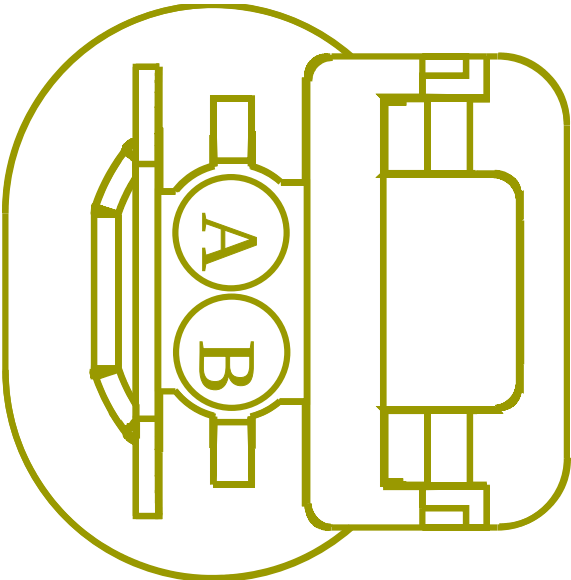
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
1	-	-	WIRE825086	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	WIRE825816	-	0.0	-	-	-	0.0	-	PIN1	-
3	-	-	WIRE825823	-	0.0	-	-	-	0.0	-	PIN1	-
4	-	-	WIRE825824	-	0.0	-	-	-	0.0	-	PIN1	-
5	-	-	N13YJA	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector NameP101_6086

Part Number4173578C1

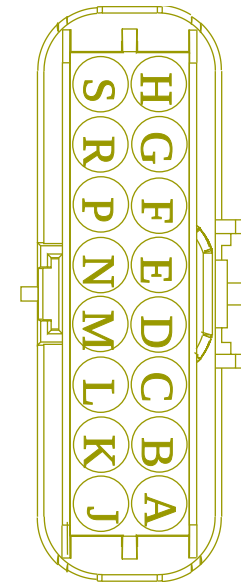
InstancesHV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

MatesTerminating Resistor



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE825 093	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE825 094	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name P101_6090
Part Number 3580540C1
Instances Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2
Engine Speed Control (ePTO):Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter).:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter).:Diagram2
Mates K13_6090



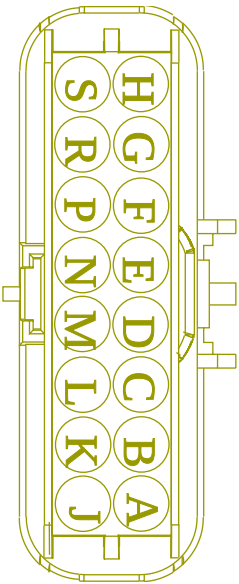
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE825 085	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	WIRE825 815	-	0.0	-	-	-	0.0	-	PIN1	-
G	-	-	N97A	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
H	-	-	N13A	-	0.0	18.0	-	PINK	0.0	-	7	P101_60 92
K	-	-	N97C	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
L	-	-	N13B	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector NameP101_6090

Part Number3580540C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesK11_6090



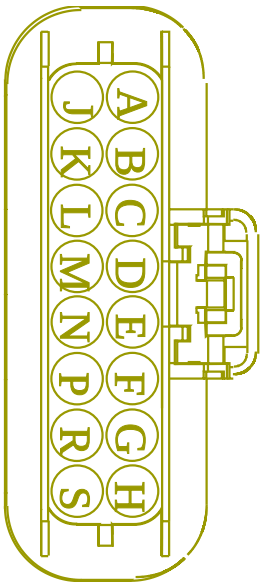
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
L	-	-	N13B	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector NameP101_6091

Part Number3580539C1

InstancesBody Builder Power Prewire (ePower Prewire):Diagram1

MatesK11_6091



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
K	-	-	N14YJ	-	0.0	18.0	-	RED	0.0	-	5	P101_6099
S	-	-	N11A	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

Connector NameP101_6091

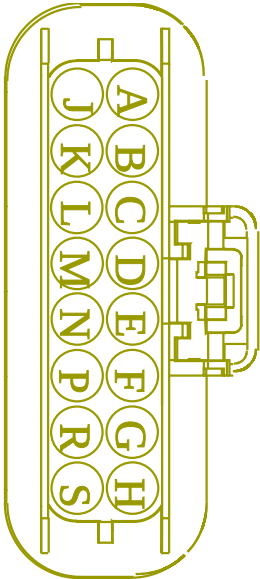
Part Number3580539C1

Instances

Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram1

Hybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram2

MatesK13_6091



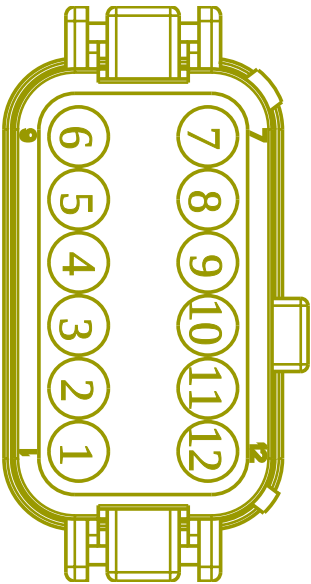
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E	-	-	N14A	-	0.0	14.0	-	RED	0.0	-	PIN1	-
R	-	-	N11M	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-
S	-	-	N11A	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

Connector NameP101_6092

Part Number3601923C1

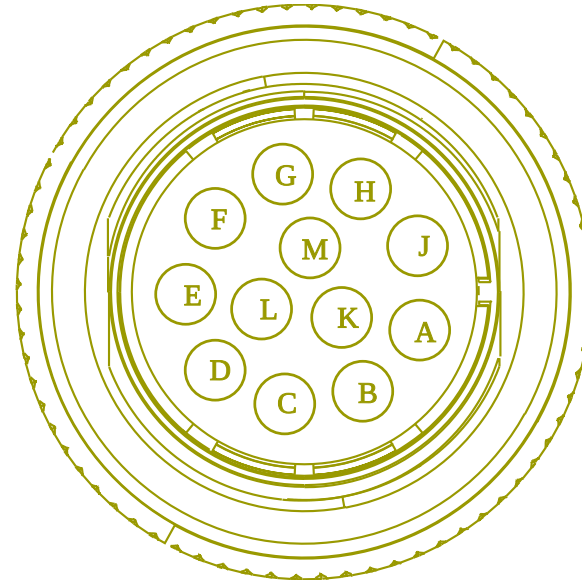
InstancesHybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram1

MatesDEV-HVDM-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	N11F	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
7	-	-	N13A	-	0.0	18.0	-	PINK	0.0	-	H	P101_6090
8	-	-	N97M	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-

Connector Name P101_6094
Part Number 4283563C1
Instances HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter).:Diagram2
Mates DEV-TPIM-01



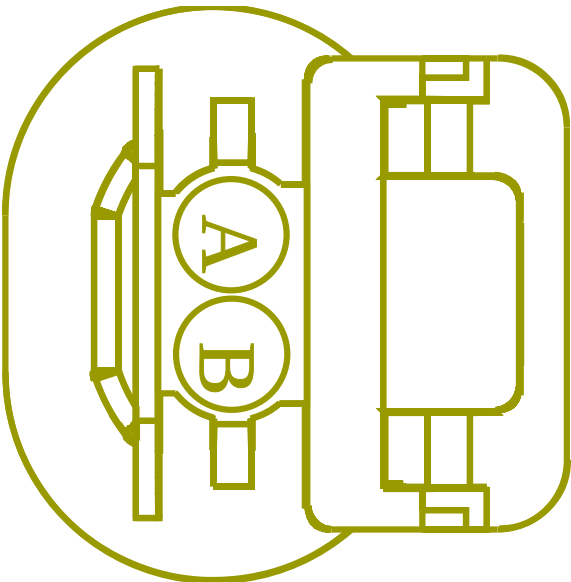
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	-	-	-	-	-	-	-	-	-	-
C	-	-	WIRE825081	-	0.0	-	-	-	0.0	-	PIN1	-
D	-	-	-	-	-	-	-	-	-	-	-	-
D	-	-	WIRE825082	-	0.0	-	-	-	0.0	-	PIN1	-
E	-	-	N14F	-	0.0	18.0	-	RED	0.0	-	PIN1	-
F	-	-	N14G	-	0.0	18.0	-	RED	0.0	-	PIN1	-
G	-	-	N97J	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
L	-	-	N11GA	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
M	-	-	N11H	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameP101_6096A

Part Number4173578C1

InstancesHybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram1

MatesDEV-TPIM_RESISTOR_C-01



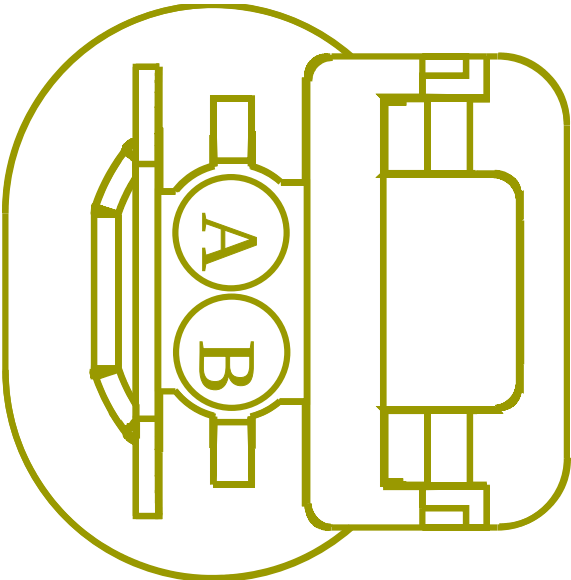
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N13F	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
B	-	-	N11J	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameP101_6096B

Part Number4173578C1

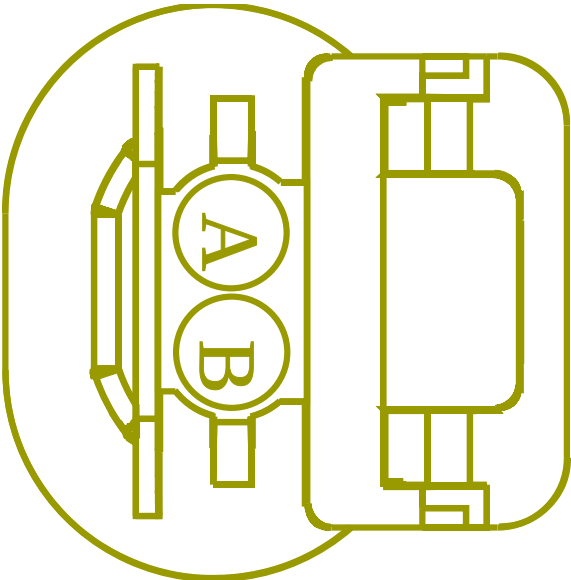
InstancesHybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram1

MatesDEV-TPIM_RESISTOR_D-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N97N	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	N11N	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name P101_6097A
Part Number 4173578C1
Instances Hybrid Auxiliary Power Generator for HEV (DC/AC
 Inverter).:Diagram2
Mates DEV-TPIM_RESISTOR_A-01



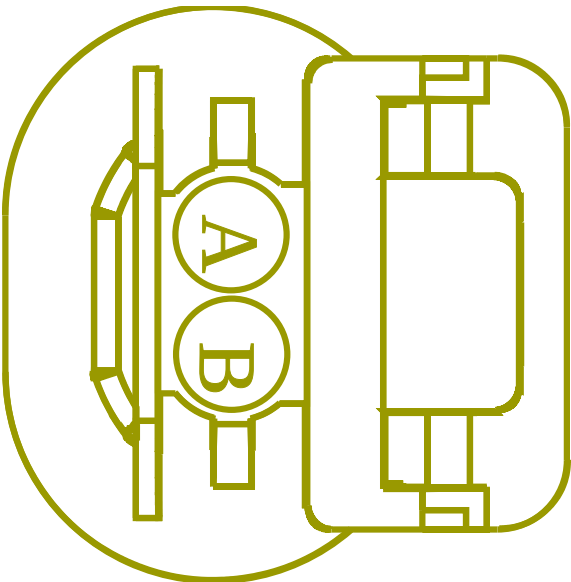
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N97L	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	N11L	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameP101_6097B

Part Number4173578C1

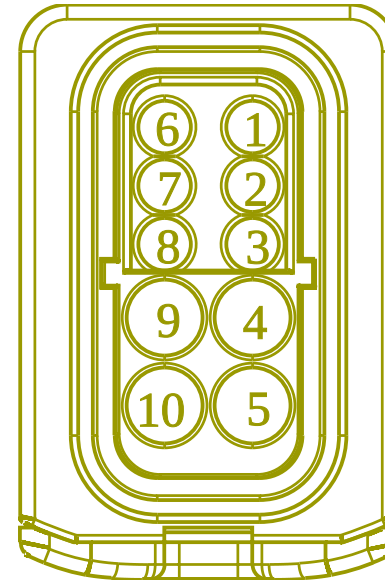
InstancesHybrid Auxiliary Power Generator for HEV (DC/AC Inverter).:Diagram2

MatesDEV-TPIM_RESISTOR_B-01



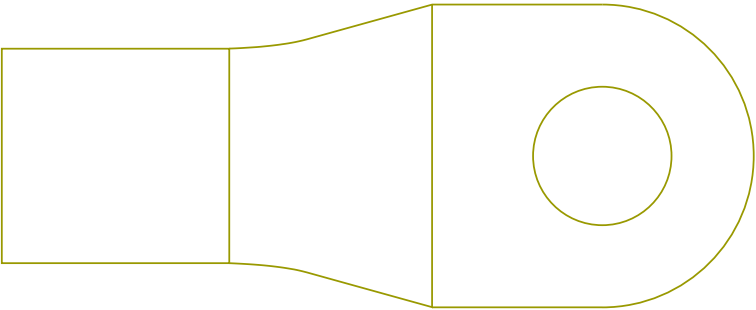
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N97P	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	N11P	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name P101_6099
Part Number 4194078C1
Instances Body Builder Power Prewire (ePower Prewire):Diagram1
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Mates DEV-ePOWER_CONN-01



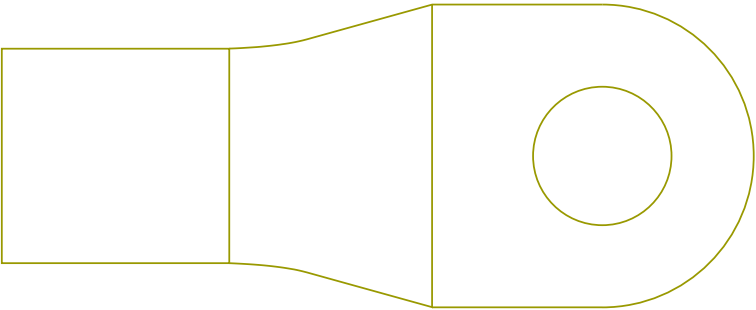
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	N14YJ	-	0.0	18.0	-	RED	0.0	-	K	P101_6091
6	-	-	WIRE825811	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	WIRE825814	-	0.0	-	-	-	0.0	-	PIN1	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	N13YJ	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
10	-	-	N11YJ	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name P110_1
Part Number 2241346C1
Instances Battery Box Optional PDM for Lift Gate - 08VBA &
 08VVM:Diagram1
 Battery Box Optional PDM for Lift Gate - W/08VBA &
 N/510244:Diagram1
Mates OPTIONAL PDM



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	14A	-	0.0	0.0	-	RED	0.0	-	A	P110_2

Connector Name P110_2
Part Number 2241345C1
Instances Battery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1
Mates RLY-Power_Lift_Gate_Relay- 2038-02-01B



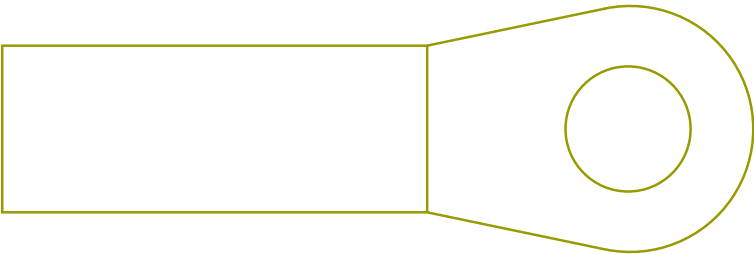
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	14A	-	0.0	0.0	-	RED	0.0	-	A	P110_1

Connector NameP13721

Part Number3867402C1

InstancesHigh-Voltage Power Distribution System:Diagram1

MatesDEV-A/C_VFD_DRIVE-01



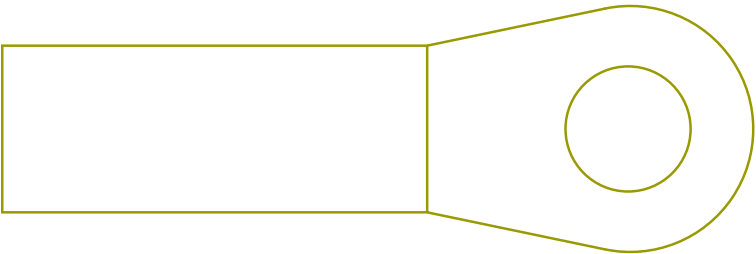
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4275232 C91	-	0.0	-	-	-	0.0	-	1	P13724

Connector NameP13723

Part Number3867402C1

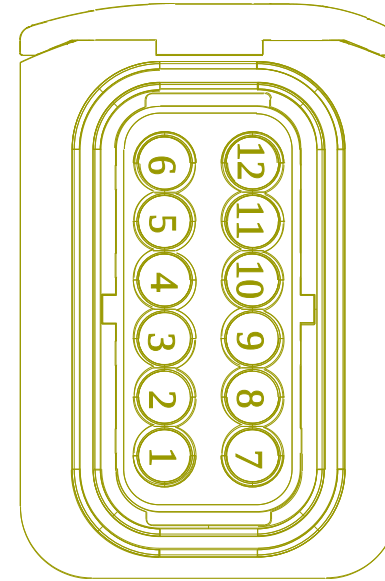
InstancesHigh-Voltage Power Distribution System:Diagram1

MatesDEV-A/C_VFD_DRIVE-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4275232 C91	-	0.0	-	-	-	0.0	-	-	-

Connector Name P27_9000
Part Number 3850730C1
Instances Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram2 - Sensors
Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components
Mates DEV-RADIATOR_MODULE-01



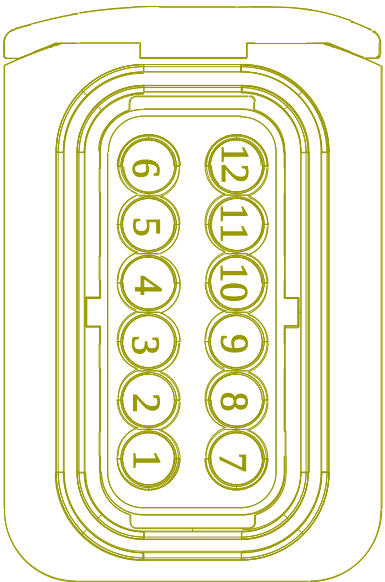
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K6B	-	0.0	18.0	-	GREY	0.0	-	4	P27_9001
2	-	-	K40B	-	0.0	20.0	-	WHITE	0.0	-	2	P27_9001
3	-	-	K41B	-	0.0	20.0	-	BROWN	0.0	-	3	P27_9001
4	-	-	K9-GB	-	0.0	20.0	-	BLACK	0.0	-	1	P27_9001
5	-	-	K6A	-	0.0	20.0	-	RED	0.0	-	4	P27_9002
6	-	-	K40A	-	0.0	20.0	-	WHITE	0.0	-	2	P27_9002
7	-	-	K41A	2645624 R1	0.35	22.0	Thin Wall XLPE Primary Cable	TAN	0.0	-	3	P27_9002
8	-	-	K9-GA	-	0.0	20.0	-	BLACK	0.0	-	1	P27_9002
9	-	-	193	-	0.0	18.0	-	GREY	0.0	-	A	P27_9004
10	-	-	K77A	-	0.0	20.0	-	DARK BLUE	0.0	-	A	P27_9003
11	-	-	K75-G	-	0.0	18.0	-	WHITE	0.0	-	B	P27_9003
12	-	-	193A	-	0.0	18.0	-	GREY	0.0	-	B	P27_9004

Connector NameP27_9000

Part Number3850730C1

InstancesHVAC Actuators:Diagram 1

MatesDEV-RADIATOR_MODULE-01



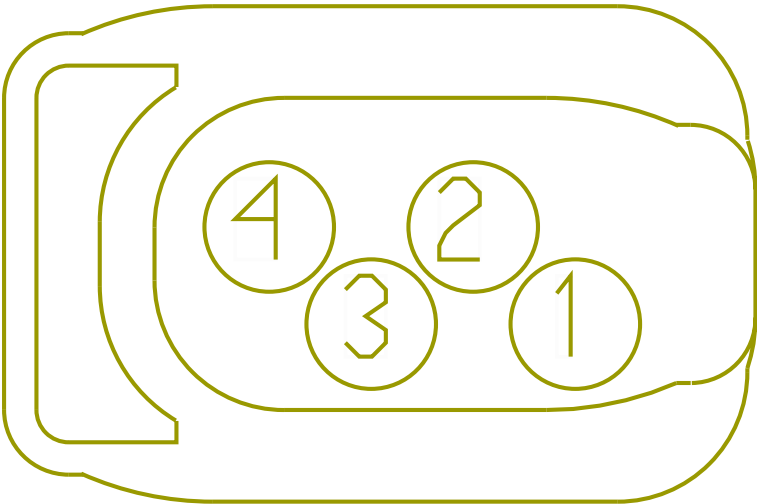
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
10	-	-	K77A	-	0.0	20.0	-	DARK BLUE	0.0	-	A	P27_9003
11	-	-	K75-G	-	0.0	18.0	-	WHITE	0.0	-	B	P27_9003

Connector NameP27_9001

Part Number3600324C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram2 - Sensors

MatesDEV-COND_P/T_SENSOR-01



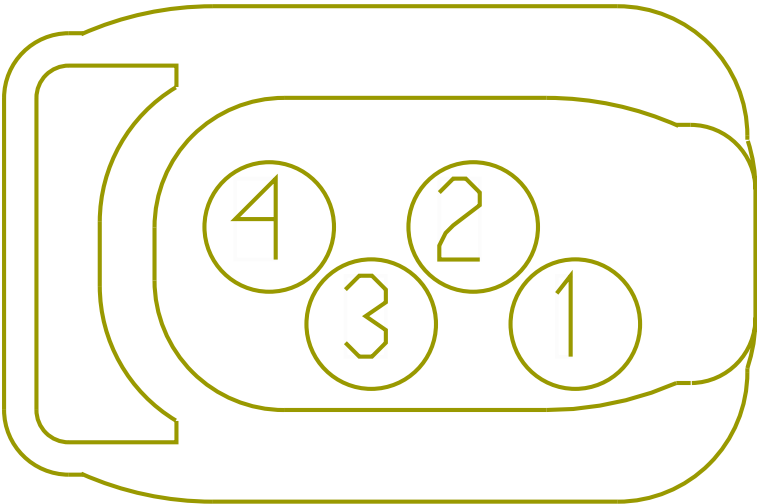
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K9-GB	-	0.0	20.0	-	BLACK	0.0	-	4	P27_9000
2	-	-	K40B	-	0.0	20.0	-	WHITE	0.0	-	2	P27_9000
3	-	-	K41B	-	0.0	20.0	-	BROWN	0.0	-	3	P27_9000
4	-	-	K6B	-	0.0	18.0	-	GREY	0.0	-	1	P27_9000

Connector NameP27_9002

Part Number3600324C1

InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram2 - Sensors

MatesDEV-EVAP_P/T_SENSOR-01



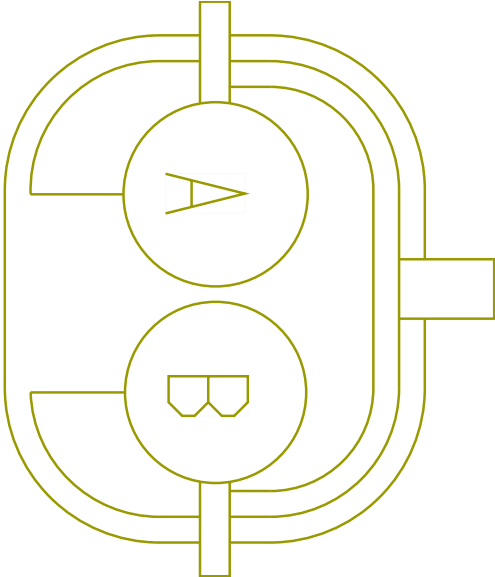
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K9-GA	-	0.0	20.0	-	BLACK	0.0	-	8	P27_9000
2	-	-	K40A	-	0.0	20.0	-	WHITE	0.0	-	6	P27_9000
3	-	-	K41A	2645624 R1	0.35	22.0	Thin Wall XLPE Primary Cable	TAN	0.0	-	7	P27_9000
4	-	-	K6A	-	0.0	20.0	-	RED	0.0	-	5	P27_9000

Connector NameP27_9003

Part Number3543888C1

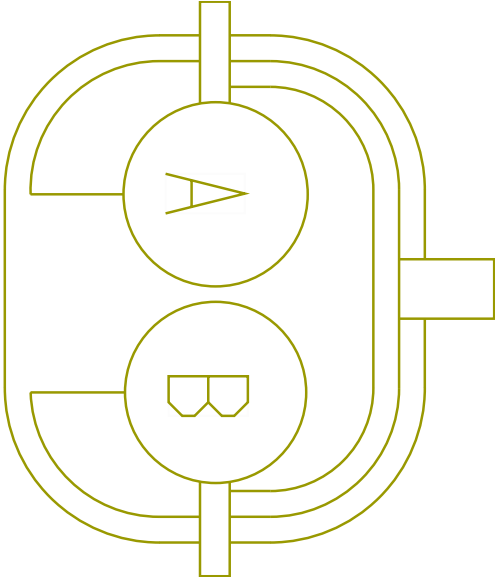
InstancesHeating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram1 - HVAC

MatesM01_8900



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
A	-	-	K77A	-	0.0	20.0	-	DARK BLUE	0.0	-	10	P27_9000
B	-	-	K75-G	-	0.0	18.0	-	WHITE	0.0	-	11	P27_9000

Connector Name P27_9003
Part Number 3543888C1
Instances HVAC Actuators:Diagram 1
Mates M01_8900



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
A	-	-	K77A	-	0.0	20.0	-	DARK BLUE	0.0	-	10	P27_9000
B	-	-	K75-G	-	0.0	18.0	-	WHITE	0.0	-	11	P27_9000

Connector Name

P27_9004

Part Number

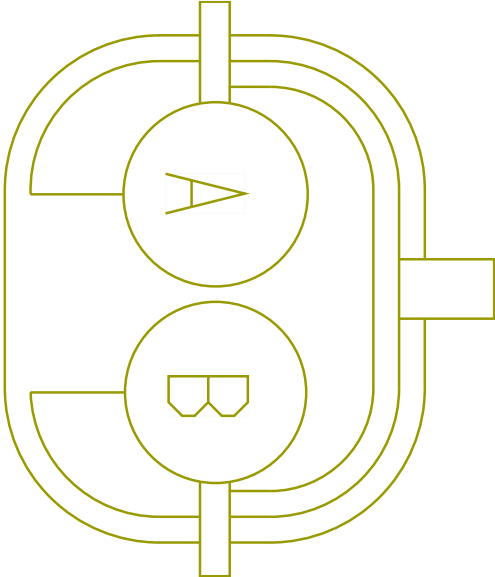
3543888C1

Instances

Heating, Ventilation, & Air Conditioning (HVAC) (W/VCU) (Rev 2):Diagram3 - EV Components

Mates

K07_6094



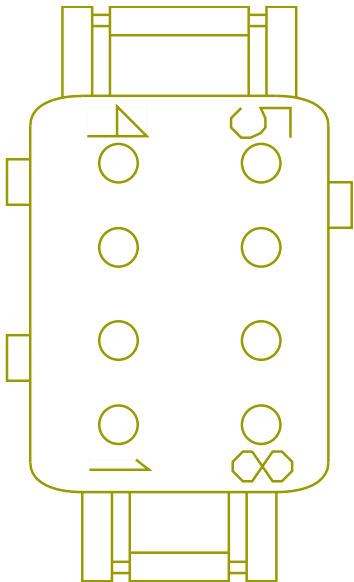
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	193	-	0.0	18.0	-	GREY	0.0	-	9	P27_9000
B	-	-	193A	-	0.0	18.0	-	GREY	0.0	-	12	P27_9000

Connector NameP60_6055

Part Number3539139C1

InstancesCharge Port Monitoring OCI System (Rev 2):Diagram1

MatesP03_6055



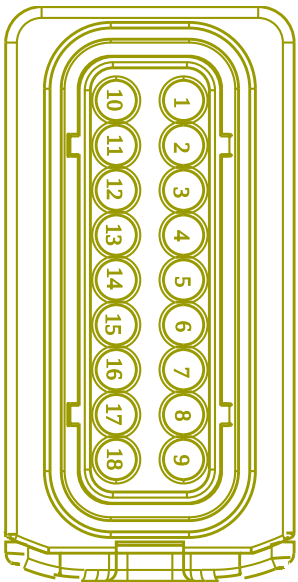
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
4	-	-	N13E	-	0.0	18.0	-	PINK	0.0	-	C	P60_6091
5	-	-	N14P	-	0.0	16.0	-	RED	0.0	-	PIN1	-

Connector NameP60_6081

Part Number6132204C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1

MatesDEV-SWITCH_BOX-01



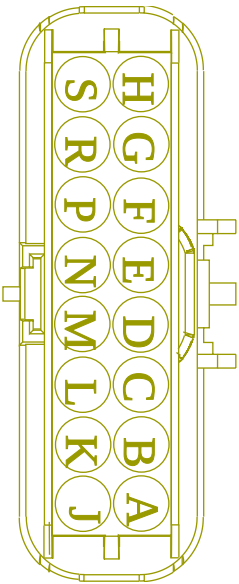
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	N14D	-	0.0	18.0	-	RED	0.0	-	PIN1	-
2	-	-	N14E	-	0.0	18.0	-	RED	0.0	-	PIN1	-
10	-	-	N11D	-	0.0	18.0	-	BLACK	0.0	-	PIN1	-
11	-	-	N11E	-	0.0	18.0	-	BLACK	0.0	-	PIN1	-
13	-	-	N97H	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector NameP60_6090

Part Number3580540C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1
Battery Management System (Post 05-2022) Option 1:Diagram2

MatesK08_6090



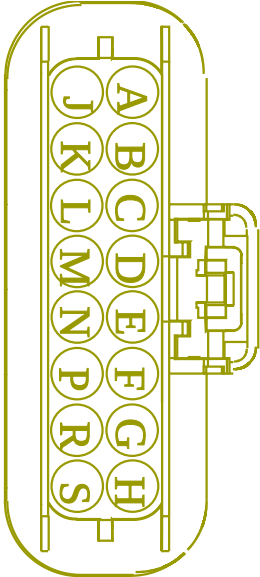
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
J	-	-	N97B	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
M	-	-	N97D	-	0.0	18.0	-	VIOLET	0.0	-	6	P60_6092

Connector NameP60_6091

Part Number3580539C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1
Battery Management System (Post 05-2022) Option 1:Diagram2
Charge Port Monitoring OCI System (Rev 2):Diagram1

MatesK08_6091



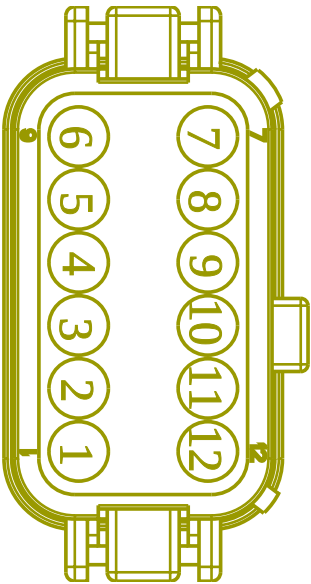
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B	-	-	N97E	-	0.0	18.0	-	VIOLET	0.0	-	5	P60_6092
C	-	-	N13E	-	0.0	18.0	-	PINK	0.0	-	4	P60_6055
F	-	-	N14B	-	0.0	16.0	-	RED	0.0	-	PIN1	-
H	-	-	N97G	-	0.0	18.0	-	VIOLET	0.0	-	4	P60_6092
R	-	-	N11M	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-
S	-	-	N11A	-	0.0	14.0	-	WHITE	0.0	-	PIN1	-

Connector NameP60_6092

Part Number3601923C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram2

MatesDEV-HVDM-01



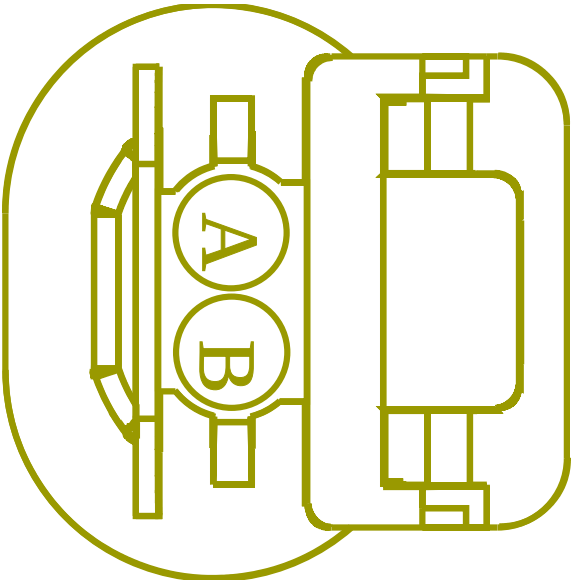
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	N11F	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
4	-	-	N97G	-	0.0	18.0	-	VIOLET	0.0	-	H	P60_6091
5	-	-	N97E	-	0.0	18.0	-	VIOLET	0.0	-	B	P60_6091
6	-	-	N97D	-	0.0	18.0	-	VIOLET	0.0	-	M	P60_6090

Connector NameP60_6098

Part Number4173578C1

InstancesBattery Management System (Post 05-2022) Option 1:Diagram1

MatesDEV-BMS_RESISTOR-01



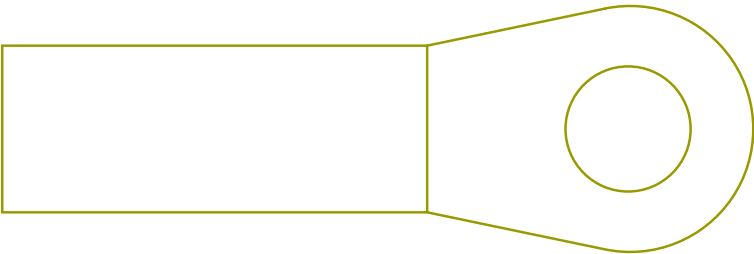
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N97K	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
B	-	-	N11K	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector NameP8T_4028C

Part Number338892C2

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesOPTIONAL PDM



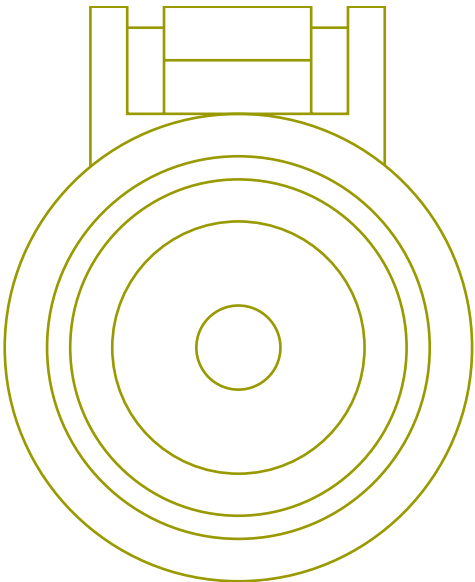
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N14Y-FL	-	0.0	12.0	-	BLUE	0.0	-	PIN1	-
A	-	-	N14X-FL	-	0.0	12.0	-	BLUE	0.0	-	PIN1	-

Connector NameP8T_4412M

Part Number3517760C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesN11_4413F1



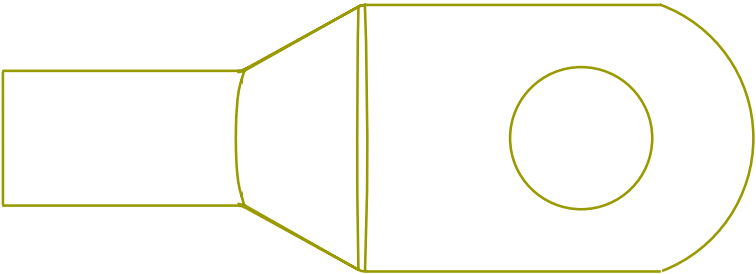
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N14Z	-	0.0	4.0	-	RED	0.0	-	-	-
A	-	-	N14Z	-	0.0	4.0	-	RED	0.0	-	PIN1	-

Connector NameP8U_4028C

Part Number6137789C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesOPTIONAL PDM



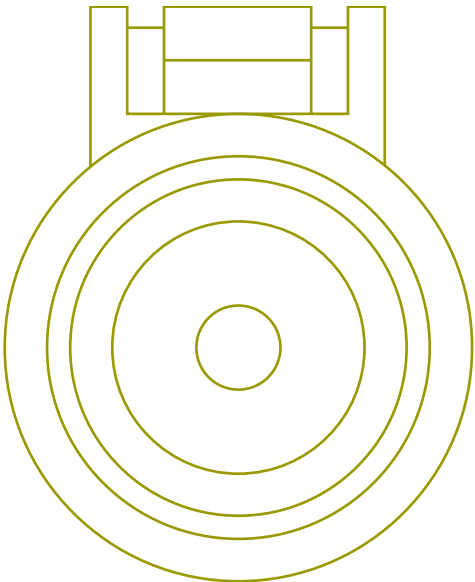
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	M14A-FL	-	0.0	6.0	-	TAN	0.0	-	X	-

Connector NameP8U_4320M

Part Number3517760C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesN11_4413F3



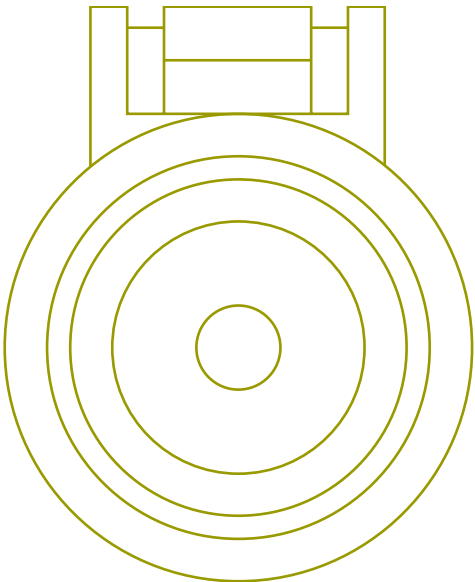
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	M14	-	0.0	4.0	-	RED	0.0	-	X	-

Connector NameP8U_4412M

Part Number3517760C1

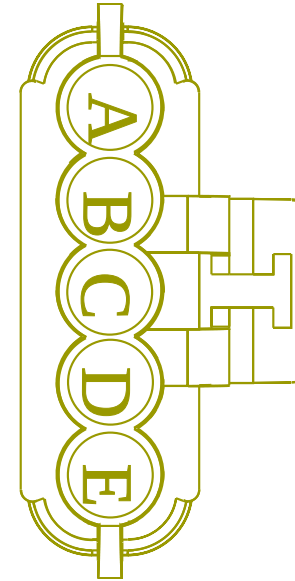
InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1
Battery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesN11_4413F2



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	N14Z	-	0.0	4.0	-	RED	0.0	-	X	-
A	-	-	N14Z	-	0.0	4.0	-	RED	0.0	-	-	-

Connector Name P80_71
Part Number 1661375C2
Instances Backup Alarm (From Relay to 5 Pin Daisy Chain. Backup Alarm Plugs in):Diagram1
Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Mates DEV-DAISY_CHAIN_TAIL_LEFT_LAMP-02



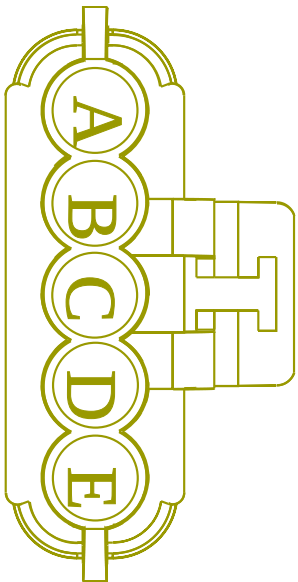
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	S71C	-	0.0	14.0	-	LIGHT BLUE	0.0	-	A	P80_72
A	-	-	S71C	2643694 R1	1.91	14.0	Std. Wall XLPE Primary Cable	LIGHT BLUE	1385.0	-	A	P80_72
C	-	-	S57B	2643687 R1	1.91	14.0	Std. Wall XLPE Primary Cable	LIGHT GREEN	1385.0	-	C	R80_72
E	-	-	S10-GC	2643689 R1	1.91	14.0	Std. Wall XLPE Primary Cable	WHITE	0.0	-	E	R80_72
E	-	-	S10-GC	2643689 R1	1.91	14.0	Std. Wall XLPE Primary Cable	WHITE	0.0	-	E	P80_72

Connector NameP80_72

Part Number1661375C2

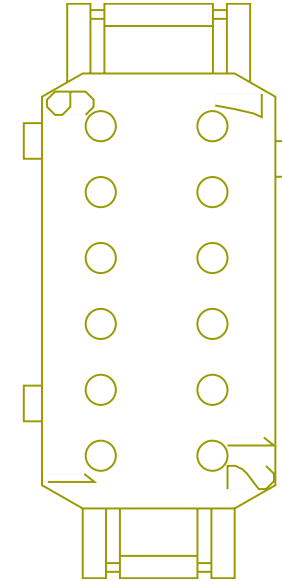
InstancesBackup Alarm (From Relay to 5 Pin Daisy Chain. Backup Alarm Plugs in):Diagram1
Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1

MatesDEV-DAISY_CHAIN_TAIL_RIGHT_LAMP-02



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	S71C	-	0.0	14.0	-	LIGHT BLUE	0.0	-	A	P80_71
A	-	-	S71C	2643694 R1	1.91	14.0	Std. Wall XLPE Primary Cable	LIGHT BLUE	1385.0	-	A	P80_71
E	-	-	S10-GC	2643689 R1	1.91	14.0	Std. Wall XLPE Primary Cable	WHITE	0.0	-	E	P80_71

Connector Name P84_1200
Part Number 3553404C1
Instances Engine Speed Control (ePTO):Diagram1
Mates DEV-ePTO_RESOLVER-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	REXC+	-	0.0	20.0	-	RED	0.0	-	6	P84_3900
2	-	-	REXC-	-	0.0	20.0	-	BLACK	0.0	-	9	P84_3900
3	-	-	RCOS+	-	0.0	20.0	-	BLACK	0.0	-	7	P84_3900
4	-	-	RCOS-	-	0.0	20.0	-	WHITE	0.0	-	8	P84_3900
5	-	-	RSIN+	-	0.0	20.0	-	BLACK	0.0	-	10	P84_3900
6	-	-	RSIN-	-	0.0	20.0	-	LIGHT GREEN	0.0	-	11	P84_3900
7	-	-	MTS1+	-	0.0	20.0	-	BLACK	0.0	-	3	P84_3900
8	-	-	MTS-CG	-	0.0	20.0	-	LIGHT BLUE	0.0	-	PIN1	-
9	-	-	MTS2+	-	0.0	20.0	-	BLACK	0.0	-	1	P84_3900
12	-	-	P10-BG	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-

Connector Name

P84_3002

Part Number

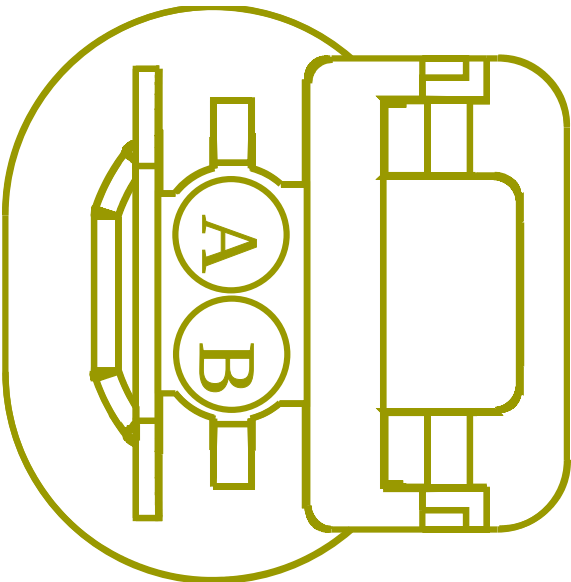
4173578C1

Instances

Engine Speed Control (ePTO):Diagram2

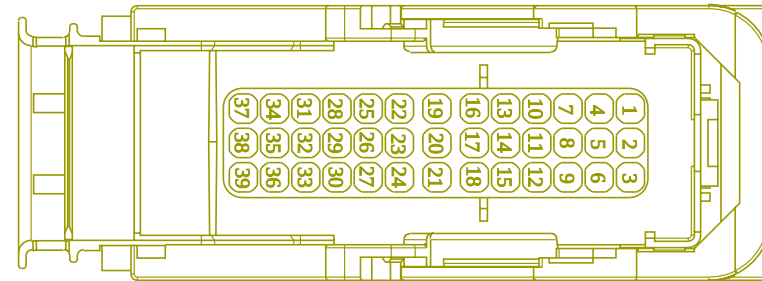
Mates

DEV-INVERTER_RESISTOR-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
A	-	-	P13HA	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
B	-	-	P13HB	-	0.0	18.0	-	PINK	0.0	-	20	P84_3900

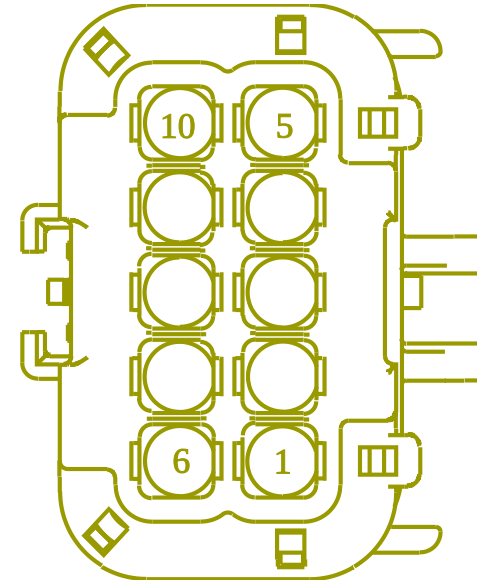
Connector Name P84_3900
Part Number 4367622C1
Instances Engine Speed Control (ePTO):Diagram1
Engine Speed Control (ePTO):Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Mates DEV-ePTO_INVERTER-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	MTS2+	-	0.0	20.0	-	BLACK	0.0	-	9	P84_1200
2	-	-	MTS1-	-	0.0	20.0	-	LIGHT BLUE	0.0	-	PIN1	-
3	-	-	MTS1+	-	0.0	20.0	-	BLACK	0.0	-	7	P84_1200
4	-	-	MTS2-	-	0.0	20.0	-	LIGHT BLUE	0.0	-	PIN1	-
5	-	-	P10-AG	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
6	-	-	REXC+	-	0.0	20.0	-	RED	0.0	-	1	P84_1200
7	-	-	RCOS+	-	0.0	20.0	-	BLACK	0.0	-	3	P84_1200
8	-	-	RCOS-	-	0.0	20.0	-	WHITE	0.0	-	4	P84_1200
9	-	-	REXC-	-	0.0	20.0	-	BLACK	0.0	-	2	P84_1200
10	-	-	RSIN+	-	0.0	20.0	-	BLACK	0.0	-	5	P84_1200
11	-	-	RSIN-	-	0.0	20.0	-	LIGHT GREEN	0.0	-	6	P84_1200
19	-	-	P10HA	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
20	-	-	P13HB	-	0.0	18.0	-	PINK	0.0	-	B	P84_3002

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
22	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	WIRE825838	-	0.0	-	-	-	0.0	-	5	P84_6000M
23	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	WIRE825840	-	0.0	-	-	-	0.0	-	7	P84_6000M
25	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	WIRE825839	-	0.0	-	-	-	0.0	-	6	P84_6000M
26	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	WIRE825841	-	0.0	-	-	-	0.0	-	8	P84_6000M
32	-	-	P14AZB	-	0.0	18.0	-	RED	0.0	-	PIN1	-
33	-	-	P10PR-GB	-	0.0	18.0	-	WHITE	0.0	-	PIN1	-
35	-	-	P13PF	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
38	-	-	P10PR-GA	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
39	-	-	P14AZA	-	0.0	16.0	-	RED	0.0	-	PIN1	-

Connector Name P84_6000M
Part Number 6112506C1
Instances Engine Speed Control (ePTO):Diagram1
Engine Speed Control (ePTO):Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Mates P86_6000F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	P14AZ	-	0.0	16.0	-	RED	0.0	-	PIN1	-
2	-	-	P13PG	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
3	-	-	P10PR-G	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
5	-	-	WIRE825 838	-	0.0	-	-	-	0.0	-	22	P84_3900
6	-	-	WIRE825 839	-	0.0	-	-	-	0.0	-	25	P84_3900
7	-	-	WIRE825 840	-	0.0	-	-	-	0.0	-	23	P84_3900
8	-	-	WIRE825 841	-	0.0	-	-	-	0.0	-	26	P84_3900

Connector Name

P86_6000F

Part Number

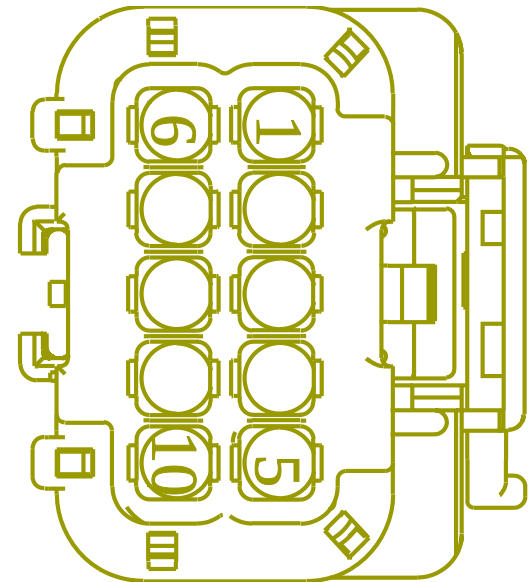
3690369C1

Instances

Engine Speed Control (ePTO):Diagram1
Engine Speed Control (ePTO):Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

Mates

P84_6000M



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	P14H	-	0.0	18.0	-	RED	0.0	-	B	P86_6800
2	-	-	P13B	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
3	-	-	P11B	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
5	-	-	WIRE825 826	-	0.0	-	-	-	0.0	-	1	P86_605 6F
6	-	-	WIRE825 825	-	0.0	-	-	-	0.0	-	2	P86_605 6F
7	-	-	WIRE825 833	-	0.0	-	-	-	0.0	-	PIN1	-
8	-	-	WIRE825 834	-	0.0	-	-	-	0.0	-	PIN1	-

Connector NameP86_6056F

Part Number3572900C1

Instances

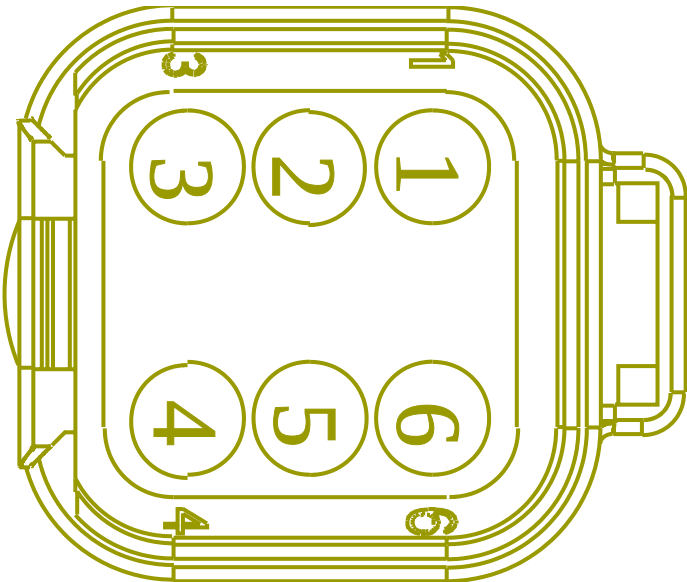
Charging System (W/VCU) Dual DC/DC Converter 12V W/ InMotion 0008WUM:Diagram1

Charging System (W/VCU) Dual DC/DC Converter 12V W/ InMotion 0008WUM:Diagram2

Engine Speed Control (ePTO):Diagram2

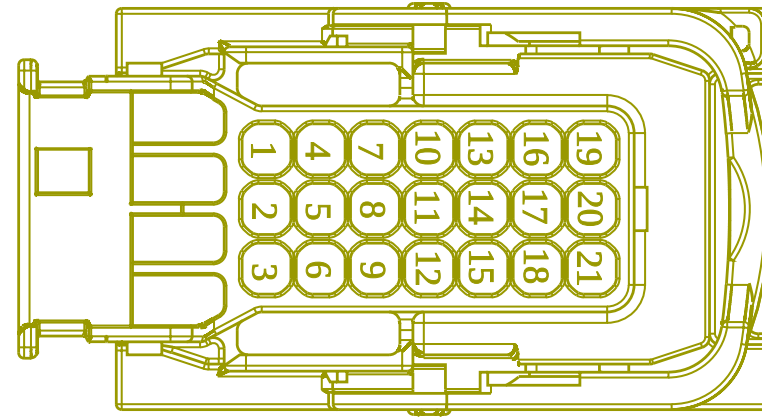
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1

MatesP101_6056M



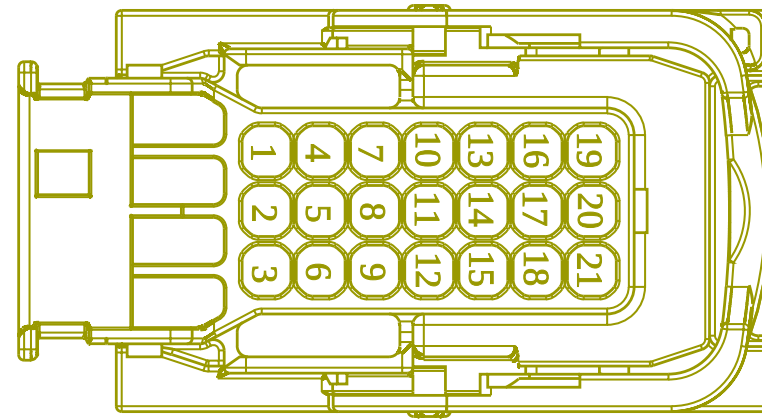
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE825826	-	0.0	-	-	-	0.0	-	5	P86_6000F
2	-	-	WIRE825825	-	0.0	-	-	-	0.0	-	6	P86_6000F
3	-	-	WIRE825828	-	0.0	-	-	-	0.0	-	PIN1	-
4	-	-	WIRE825827	-	0.0	-	-	-	0.0	-	PIN1	-
5	-	-	P13A	-	0.0	14.0	-	PINK	0.0	-	PIN1	-

Connector Name P86_6084
Part Number 4357488C1
Instances Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Mates DEV-SECOND_12V_DC/DC_CONVE RTER-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE825831	-	0.0	-	-	-	0.0	-	PIN1	-
1	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	WIRE825832	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	P14J	-	0.0	16.0	-	RED	0.0	-	B	P86_6700
6	-	-	P11F	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
7	-	-	P13G	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
10	-	-	P14F	-	0.0	16.0	-	RED	0.0	-	PIN1	-
11	-	-	P11D	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
17	-	-	P13H	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector Name P86_6085
Part Number 4357488C1
Instances Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
HV Controls J1939 with InMotion DC/DC 0008WUM:Diagram1
Mates DEV-12V_DC/DC_CONVERTER-01



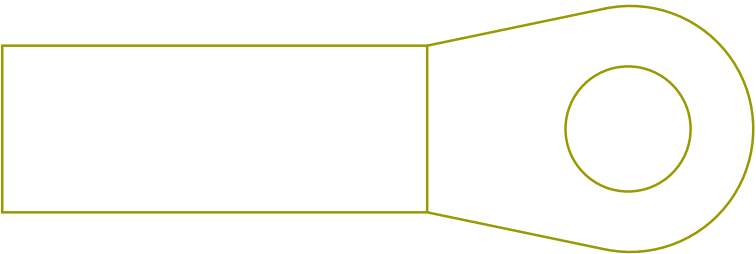
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE825 829	-	0.0	-	-	-	0.0	-	PIN1	-
1	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	WIRE825 830	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	P14K	-	0.0	16.0	-	RED	0.0	-	B	P86_6701
5	-	-	P12A	-	0.0	18.0	-	BLACK	0.0	-	12	P86_6085
6	-	-	P11G	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
7	-	-	P13E	-	0.0	18.0	-	PINK	0.0	-	PIN1	-
10	-	-	P14G	-	0.0	16.0	-	RED	0.0	-	PIN1	-
11	-	-	P11E	-	0.0	16.0	-	WHITE	0.0	-	PIN1	-
12	-	-	P12A	-	0.0	18.0	-	BLACK	0.0	-	5	P86_6085
17	-	-	P13F	-	0.0	18.0	-	PINK	0.0	-	PIN1	-

Connector NameP86_6100

Part Number3866817C1

InstancesCharging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2

Mates12 Volt

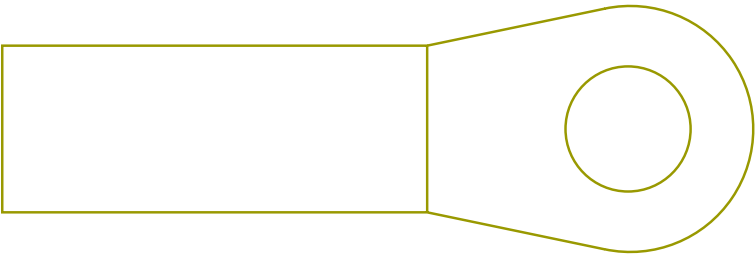


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	P14E	-	0.0	12.0	-	RED	0.0	-	PIN1	-

Connector NameP86_6101

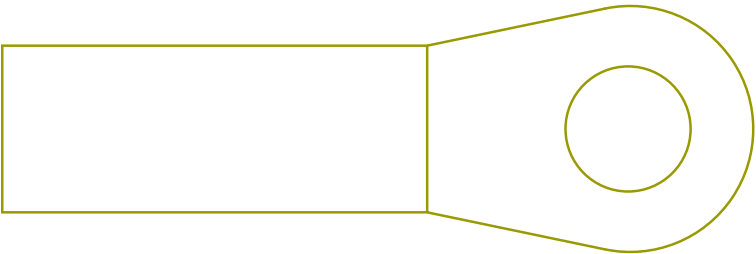
Part Number3866817C1

InstancesCharging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2
Engine Speed Control (ePTO):Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	P11A	-	0.0	12.0	-	WHITE	0.0	-	PIN1	-

Connector Name P86_6200
Part Number 3866817C1
Instances 12v Battery Disconnect (Switch Only):Diagram1
 Engine Speed Control (ePTO):Diagram1
Mates DEV-Battery_Disconnect_Switch-01



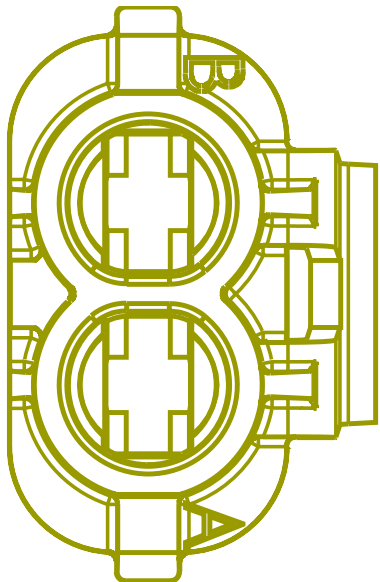
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	P14A	-	0.0	12.0	-	RED	0.0	-	PIN1	-

Connector NameP86_6700

Part Number4169320C1

InstancesCharging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2

Mates7.5 AMP



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	P14D	-	0.0	16.0	-	RED	0.0	-	-	-
B	-	-	P14J	-	0.0	16.0	-	RED	0.0	-	3	P86_6084

Connector Name

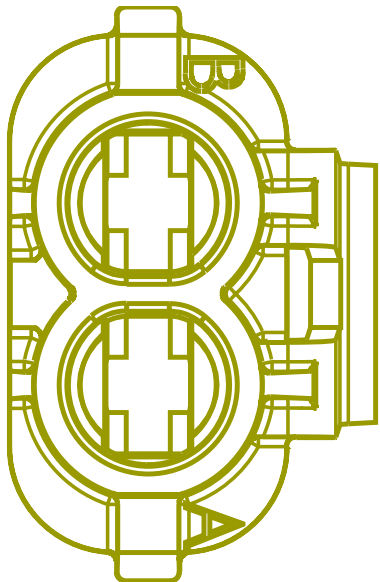
P86_6701

Part Number

4169320C1

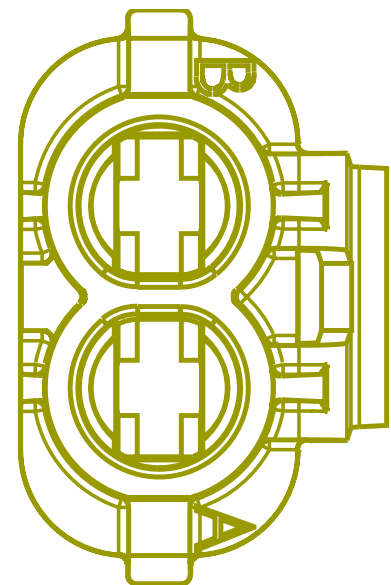
Instances

Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1



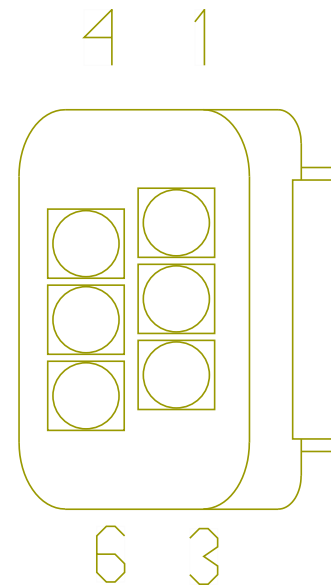
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	P14C	-	0.0	16.0	-	RED	0.0	-	-	-
B	-	-	P14K	-	0.0	16.0	-	RED	0.0	-	3	P86_6085

Connector Name P86_6800
Part Number 4169320C1
Instances Engine Speed Control (ePTO):Diagram1
Mates 10 AMP



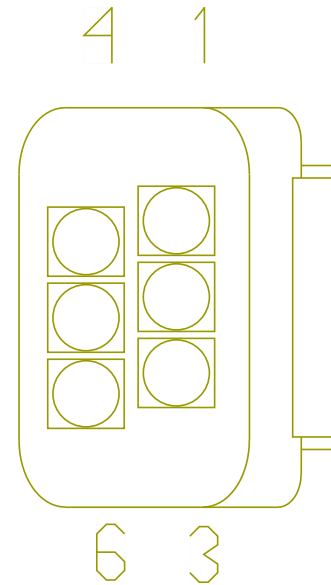
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	P14B	-	0.0	18.0	-	RED	0.0	-	PIN1	-
B	-	-	P14H	-	0.0	18.0	-	RED	0.0	-	1	P86_600 0F

Connector Name P9Z_8000F
Part Number 3612305C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O
Fender Lights:Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts,
N/Guide Posts:Diagram1
Mates M01_8000



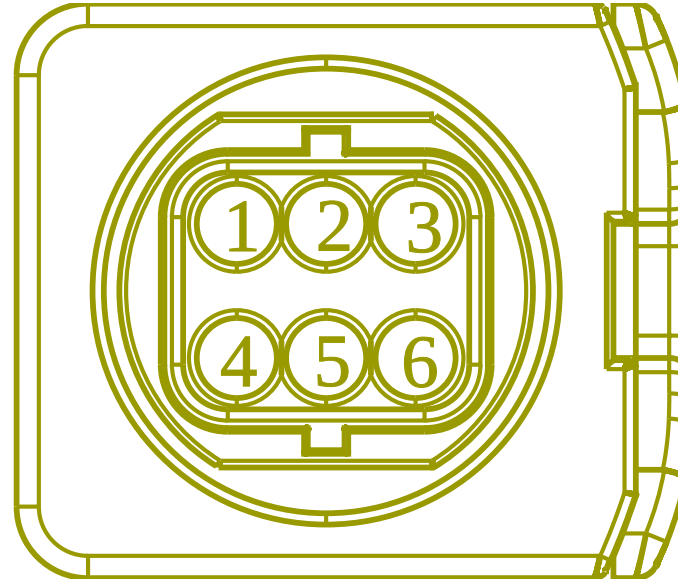
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	U14	-	0.0	16.0	-	RED	0.0	-	-	-
1	-	-	U14	-	0.0	16.0	-	RED	0.0	-	1	P9Z_8000F
2	-	-	U11-G	-	0.0	16.0	-	WHITE	0.0	-	2	P9Z_8000
2	-	-	U11-G	-	0.0	16.0	-	WHITE	0.0	-	2	P9Z_8000F
3	-	-	U13	-	0.0	16.0	-	PINK	0.0	-	3	P9Z_8000F
3	-	-	U13	-	0.0	16.0	-	PINK	0.0	-	-	-
4	-	-	WIRE775919	-	0.0	-	-	-	0.0	-	4	P9Z_8000
5	-	-	WIRE775918	-	0.0	-	-	-	0.0	-	5	P9Z_8000

Connector Name P9Z_8000F
Part Number 3612305C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O
Fender Lights:Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts,
N/Guide Posts:Diagram1
Mates M01_8001



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	U14	-	0.0	16.0	-	RED	0.0	-	1	P9Z_8000
1	-	-	U14	-	0.0	16.0	-	RED	0.0	-	1	P9Z_8000F
2	-	-	U11-G	-	0.0	16.0	-	WHITE	0.0	-	-	-
2	-	-	U11-G	-	0.0	16.0	-	WHITE	0.0	-	2	P9Z_8000F
3	-	-	U13	-	0.0	16.0	-	PINK	0.0	-	3	P9Z_8000F
3	-	-	U13	-	0.0	16.0	-	PINK	0.0	-	3	P9Z_8000
4	-	-	WIRE775921	-	0.0	-	-	-	0.0	-	4	P9Z_8000
5	-	-	WIRE775920	-	0.0	-	-	-	0.0	-	5	P9Z_8000

Connector Name P9Z_8000
Part Number 4140239C1
Instances Cab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Daytime Running Lights W/CAN Headlamps:Diagram1
Directional Signals (Turn) (LED CAN) W/O Plow Lights, W/O
Fender Lights:Diagram1
Headlights (LED CAN) W/O Plow Lights:Diagram1
Marker Lighting (LED CAN Headlamp) N/Plow Lts, N/Fender Lts,
N/Guide Posts:Diagram1
Mates DEV-LH_HEADLIGHT_LED CAN-01



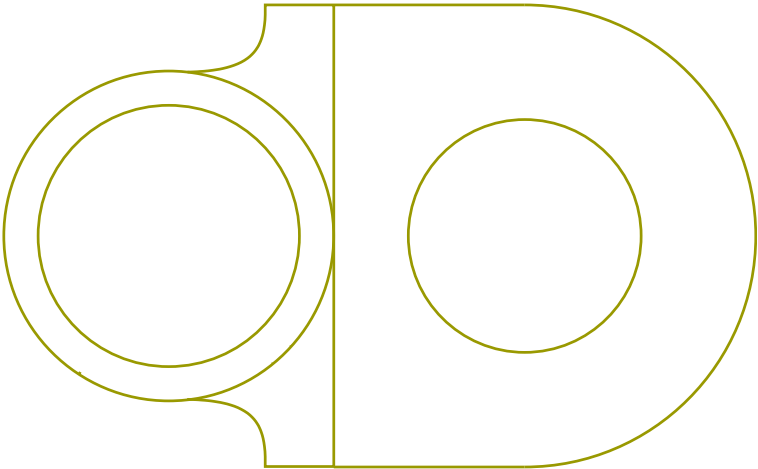
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	U14	-	0.0	16.0	-	RED	0.0	-	1	P9Z_8000F
1	-	-	U14	-	0.0	16.0	-	RED	0.0	-	-	-
2	-	-	U11-G	-	0.0	16.0	-	WHITE	0.0	-	2	P9Z_8000F
2	-	-	U11-G	-	0.0	16.0	-	WHITE	0.0	-	-	-
3	-	-	U13	-	0.0	16.0	-	PINK	0.0	-	-	-
3	-	-	U13	-	0.0	16.0	-	PINK	0.0	-	3	P9Z_8000F
4	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	WIRE775919	-	0.0	-	-	-	0.0	-	4	P9Z_8000F
4	-	-	WIRE775921	-	0.0	-	-	-	0.0	-	4	P9Z_8000F
5	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	WIRE775918	-	0.0	-	-	-	0.0	-	5	P9Z_8000F

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	WIRE775 920	-	0.0	-	-	-	0.0	-	5	P9Z_800 0F

Connector NameRing Terminal

Part Number2241300C1

Instances12v Battery Disconnect (Switch Only):Diagram1



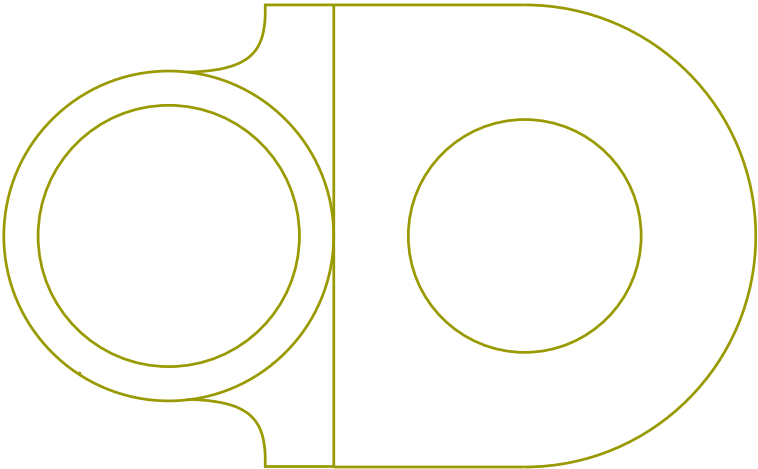
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N2JR1225	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241300C1

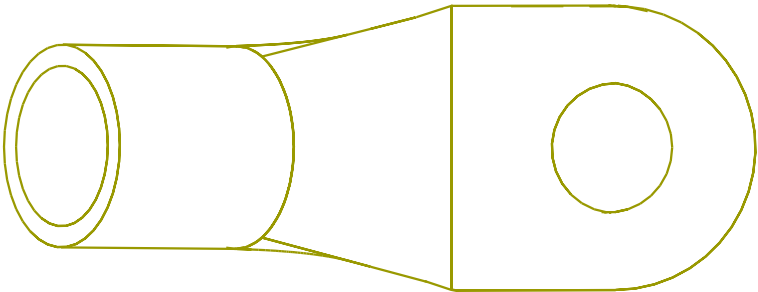
Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesDEV-Battery_Disconnect_Switch-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N2JR1225	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector Name Ring Terminal
Part Number 2241309C1
Instances (PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU
 Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
Mates 12V BATTERY



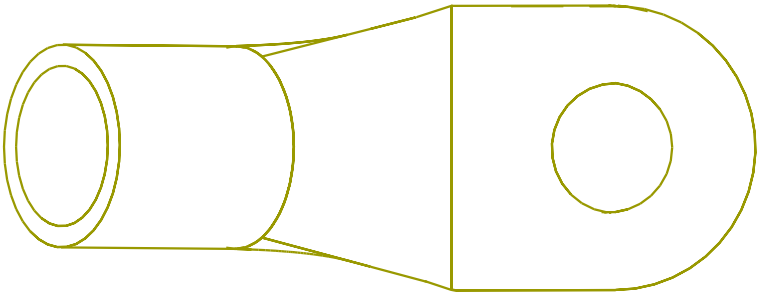
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R4H2DR5 042	2645970 R1	101.95	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241309C1

Instances12v Battery Disconnect (Switch Only):Diagram1

Mates12V BATTERY

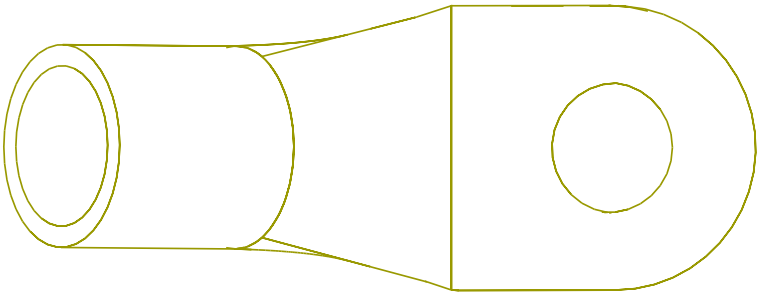


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R4H2DR5042	2645970R1	101.95	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241313C1

Instances12v Battery Disconnect (Switch Only):Diagram1

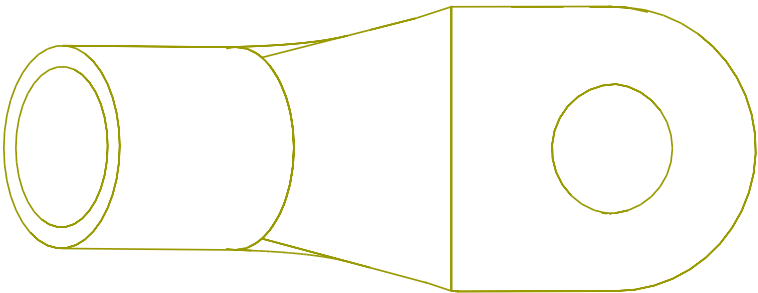


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H28R5060	2645964R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

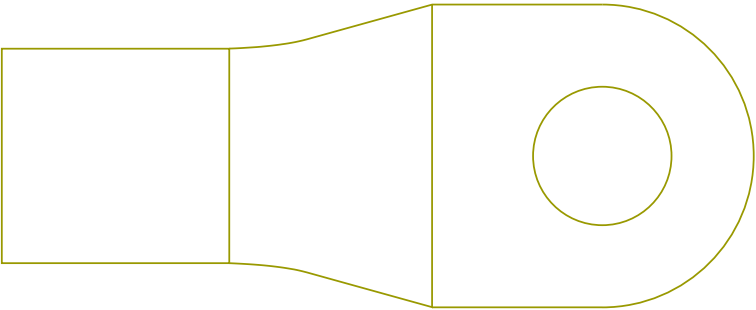
Part Number2241314C1

InstancesEngine Speed Control (ePTO):Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R4H2DR5042	2645970R1	101.95	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector Name Ring Terminal
Part Number 2241344C1
Instances VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
 and Underhood PDM (PDM 2)
Mates CP-B1-K03-1C



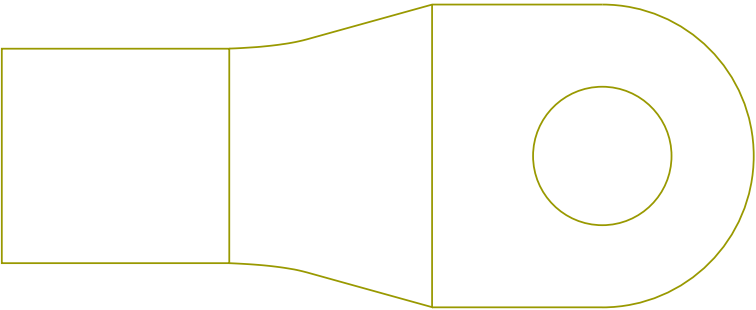
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4253477 C93	2645961 R1	49.99	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	-	-

Connector NameRing Terminal

Part Number2241344C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesCP-B1-K03-1C



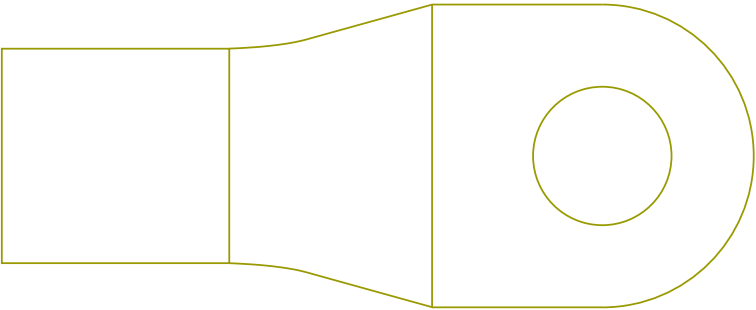
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4253477 C93	2645961 R1	49.99	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	-	-

Connector NameRing Terminal

Part Number2241345C1

InstancesVCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

MatesBUS BAR_4154823C91



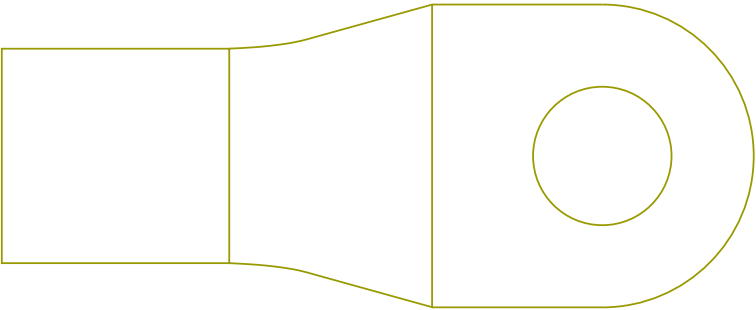
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N22R1 266	2645965 R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241345C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesBUS BAR_4154823C91



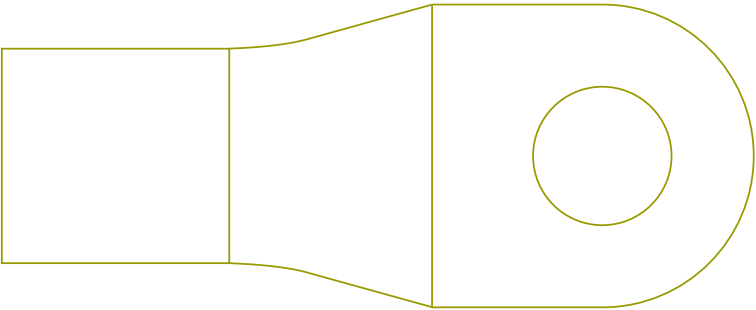
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N2JR1225	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241345C1

Instances12v Battery Disconnect (Switch Only):Diagram1

MatesBUS BAR_4154823C91



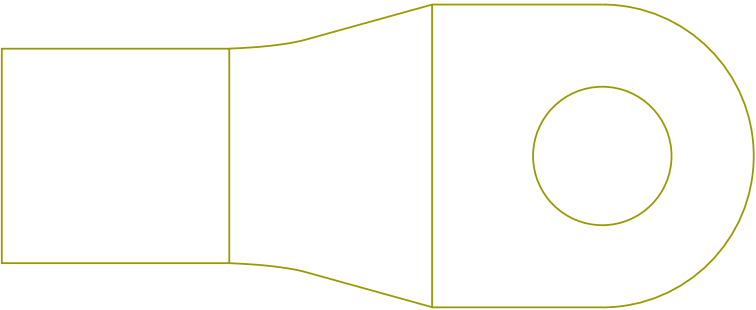
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N2JR1225	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241345C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1

MatesBUS BAR_4441268C91



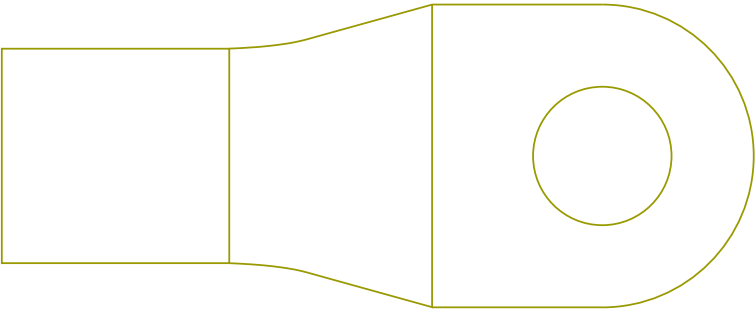
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H2MR1033	2645964R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241345C1

Instances12v Battery Disconnect (Switch Only):Diagram1

MatesBUS BAR_4441268C91



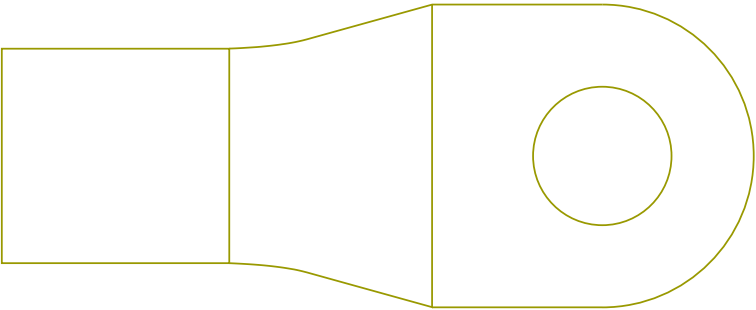
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H28R5 060	2645964 R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241345C1

Instances12v Battery Disconnect (Switch Only):Diagram1

MatesBUS BAR_4441268C91



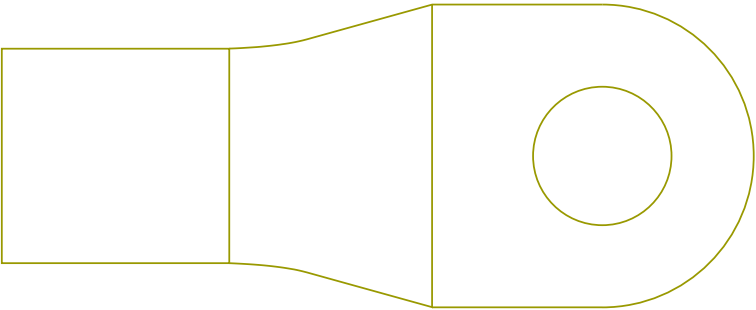
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H2MR1033	2645964R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	-	-

Connector NameRing Terminal

Part Number2241345C1

InstancesEngine Speed Control (ePTO):Diagram1

MatesDEV-Battery_Disconnect_Switch-01



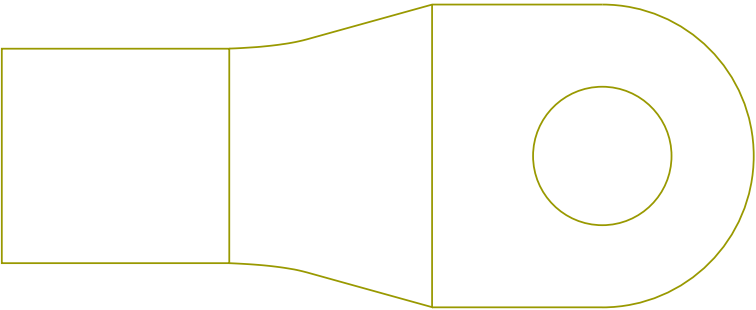
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R4H2DR5042	2645970R1	101.95	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241345C1

InstancesVCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

Mates12V BATTERY



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N22R1 266	2645965 R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector Name

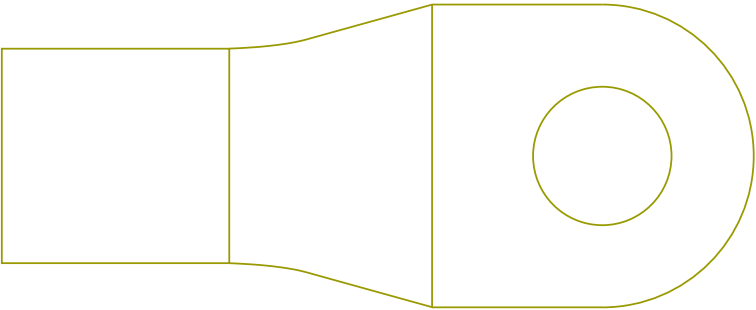
Ring Terminal

Part Number

2241346C1

Instances

VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

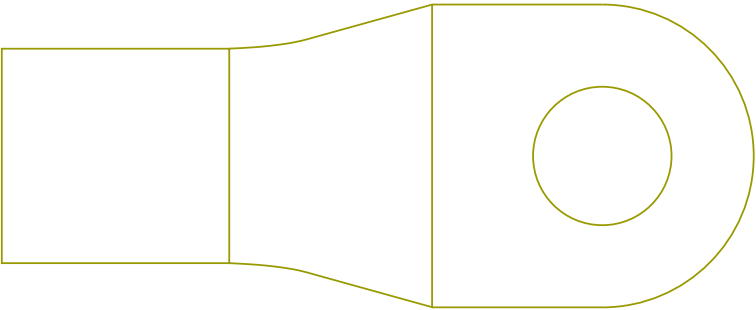


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H33R1 030	2645964 R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

Instances12v Battery Disconnect (Switch Only):Diagram1

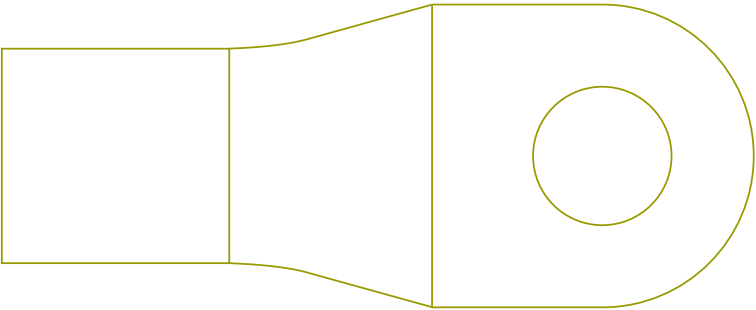


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N33R1083	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

Instances12v Battery Disconnect (Switch Only):Diagram1



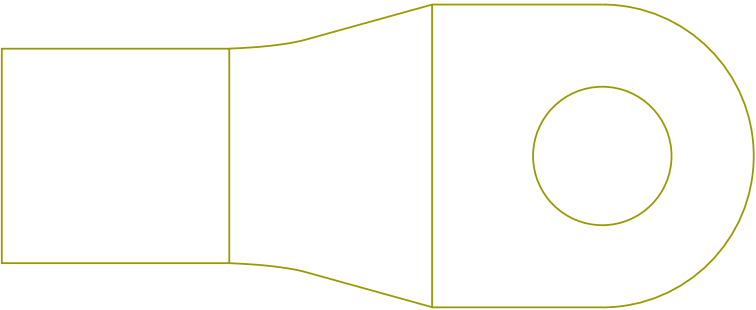
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H33R1030	2645964R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

InstancesVCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

MatesBUS BAR_4154823C91



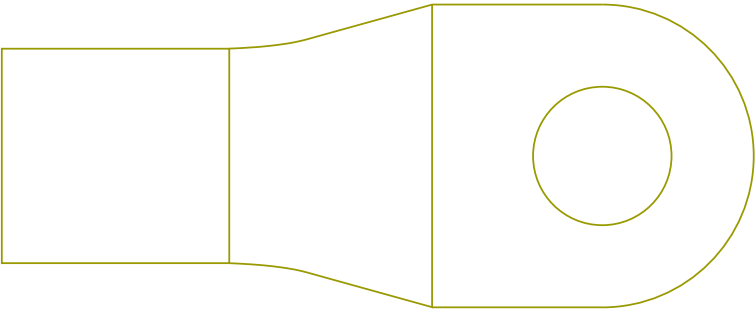
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H33R1 030	2645964 R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesBUS BAR_4154823C91



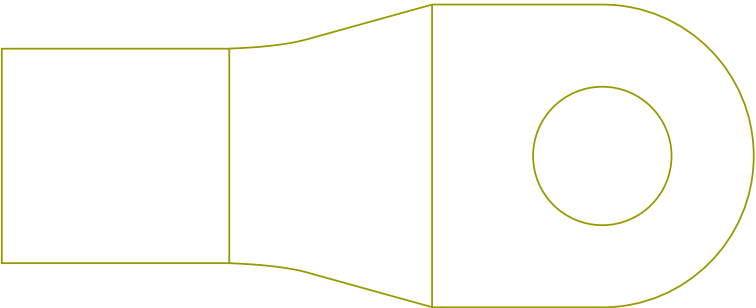
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N33R1083	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesBUS BAR_4154823C91



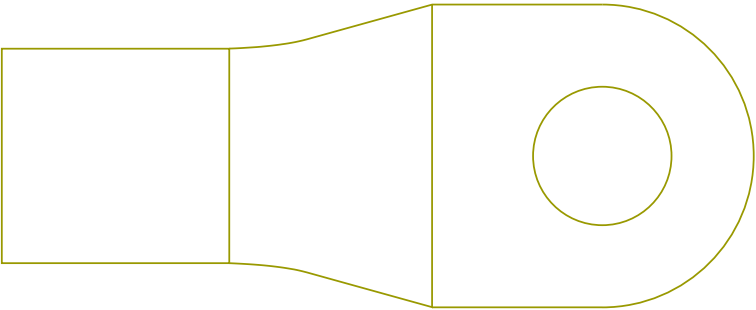
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H33R1030	2645964R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

Instances12v Battery Disconnect (Switch Only):Diagram1

MatesBUS BAR_4154823C91



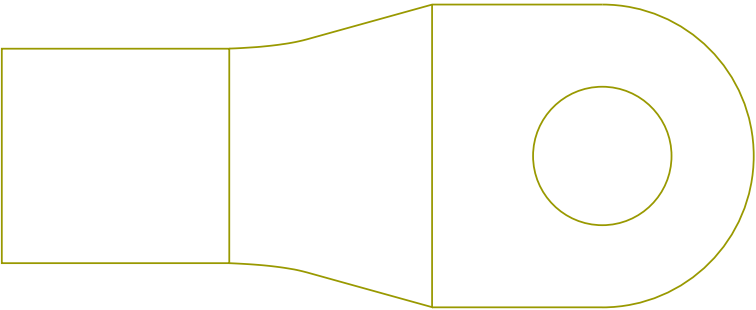
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H33R1 030	2645964 R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

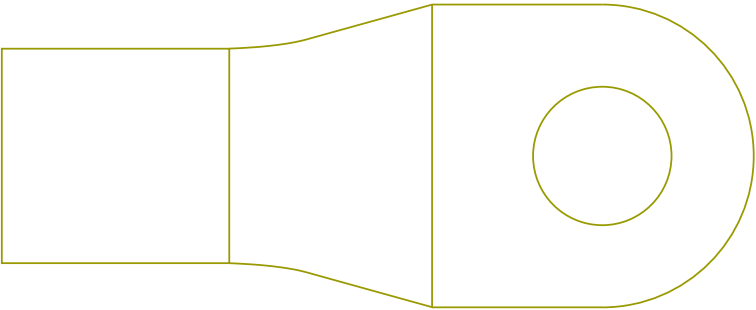
Instances12v Battery Disconnect (Switch Only):Diagram1

MatesBUS BAR_4154823C91



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N33R1083	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector Name Ring Terminal
Part Number 2241346C1
Instances VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
 and Underhood PDM (PDM 2)
Mates BUS-PDM 1_VCU_PDM_DIRTY



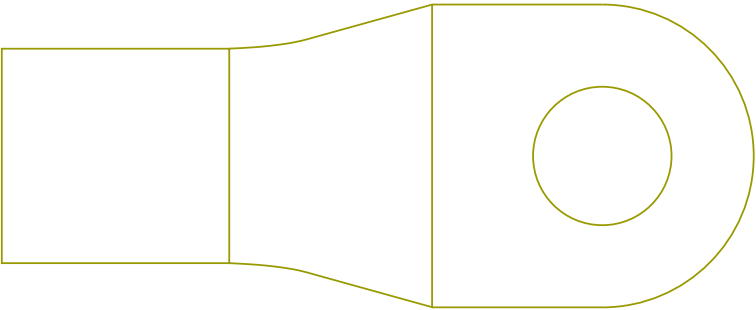
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R233R1083	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesBUS-PDM 1_VCU_PDM_DIRTY



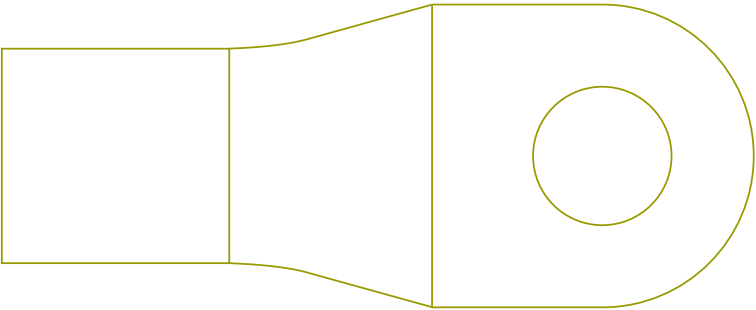
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2N33R1083	2645965R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

InstancesVCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

MatesBUS-PDM 2_UNDERHOOD_PDM_DIRTY



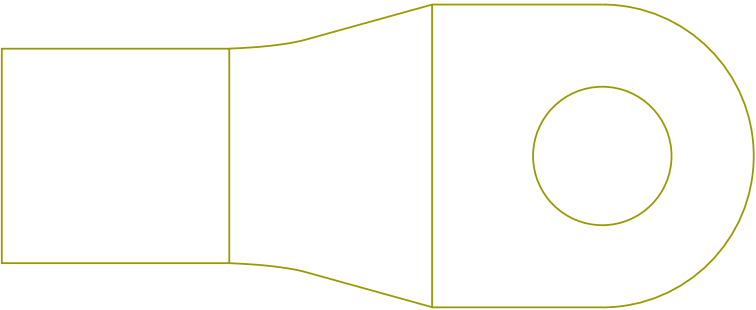
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R233R10 83	2645965 R1	61.89	0.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241346C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesBUS-PDM 2_UNDERHOOD_PDM_DIRTY



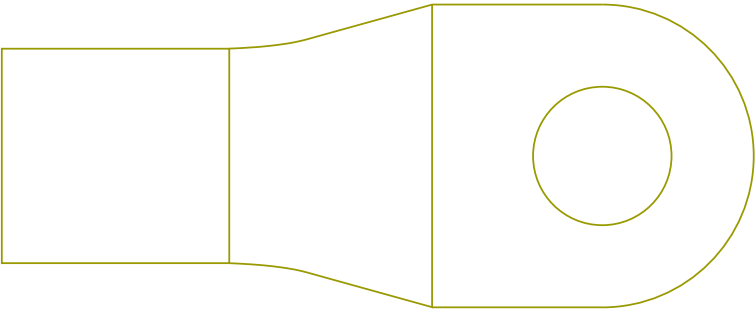
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H33R1030	2645964R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241349C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesDEV-Battery_Disconnect_Switch-01



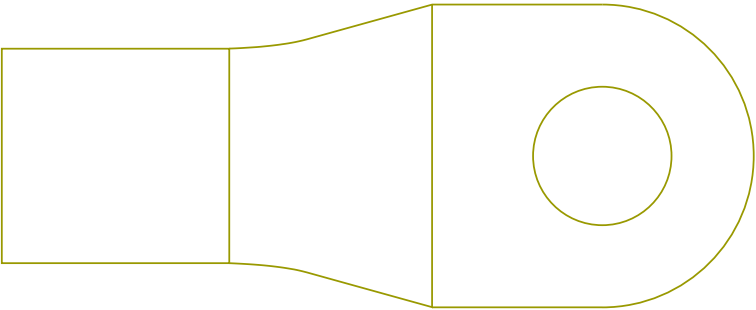
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
A	-	-	R4H2DR5042	2645970R1	101.95	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241349C1

Instances12v Battery Disconnect (Switch Only):Diagram1

MatesDEV-Battery_Disconnect_Swi tch-01



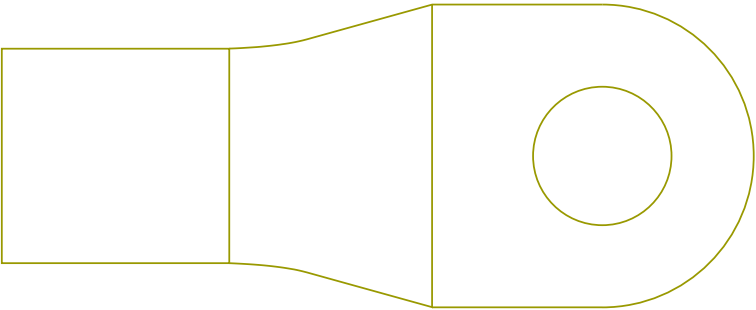
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R4H2DR5 042	2645970 R1	101.95	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241358C1

InstancesVCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

MatesBUS-PDM 1_VCU_PDM_CLEAN



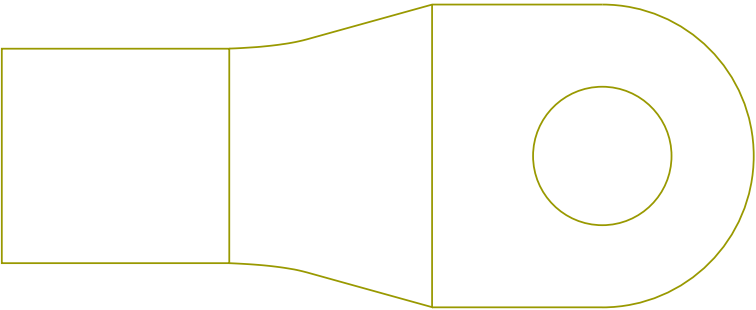
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4252908 C93	2645950 R1	12.52	6.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241358C1

Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesBUS-PDM 1_VCU_PDM_CLEAN



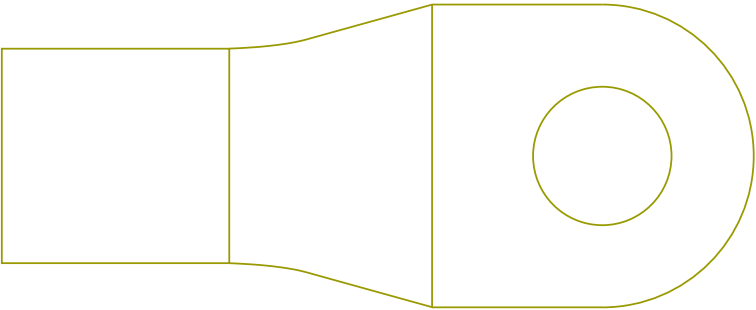
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4252908 C93	2645950 R1	12.52	6.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241358C1

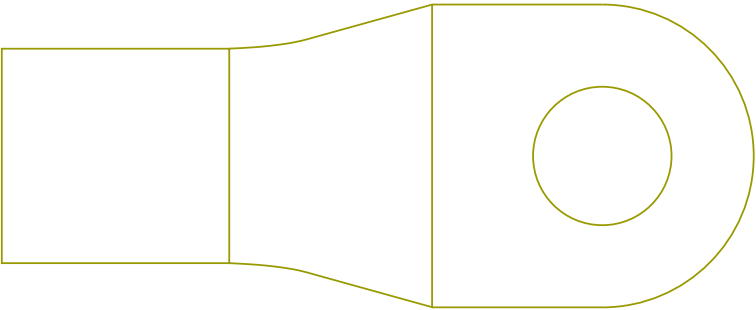
InstancesVCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

MatesBUS-PDM 1_VCU_PDM_DIRTY



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4252908 C93	2645950 R1	12.52	6.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector Name Ring Terminal
Part Number 2241358C1
Instances (PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU
 Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
Mates BUS-PDM 1_VCU_PDM_DIRTY



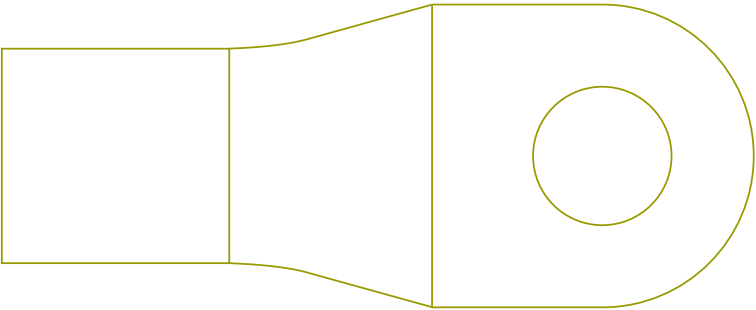
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4252908 C93	2645950 R1	12.52	6.0	SGX NFLEX 125	RED	0.0	-	A	Ring Terminal

Connector NameRing Terminal

Part Number2241358C1

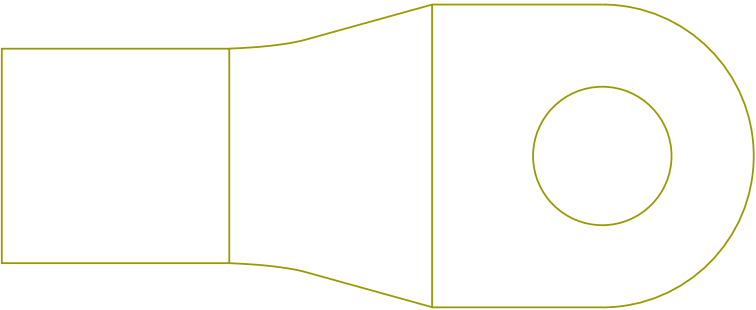
InstancesVCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

MatesBUS-PDM 2_UNDERHOOD_PDM_CLEAN



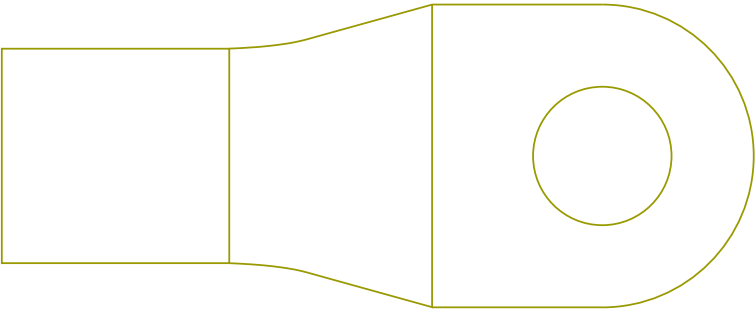
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4252908 C93	2645950 R1	12.52	6.0	SGX NFLEX 125	RED	0.0	-	-	-

Connector Name Ring Terminal
Part Number 2241358C1
Instances (PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU
 Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
Mates BUS-PDM 2_UNDERHOOD_PDM_CLEAN



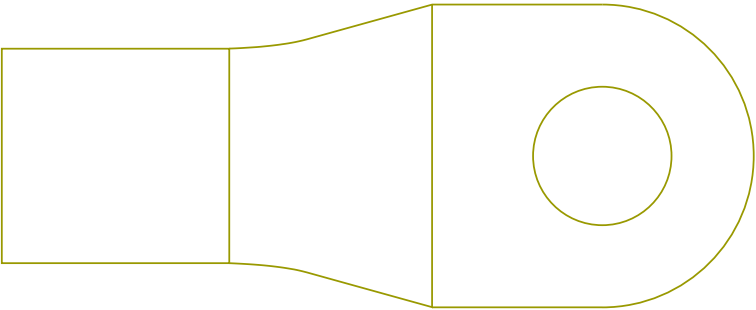
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4252908 C93	2645950 R1	12.52	6.0	SGX NFLEX 125	RED	0.0	-	-	-

Connector Name Ring Terminal
Part Number 2241358C1
Instances VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
 and Underhood PDM (PDM 2)
Mates BUS-PDM 2_UNDERHOOD_PDM_DIRTY



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4252908 C93	2645950 R1	12.52	6.0	SGX NFLEX 125	RED	0.0	-	-	-

Connector Name Ring Terminal
Part Number 2241358C1
Instances (PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU
 Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
Mates BUS-PDM 2_UNDERHOOD_PDM_DIRTY



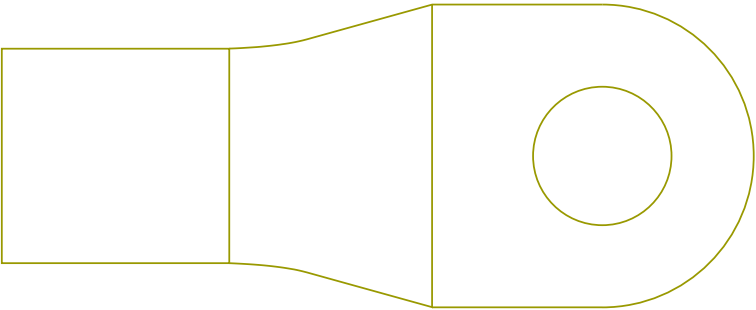
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4252908 C93	2645950 R1	12.52	6.0	SGX NFLEX 125	RED	0.0	-	-	-

Connector NameRing Terminal

Part Number2241361C1

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC

MatesDEV-RADIATOR_MODULE-01



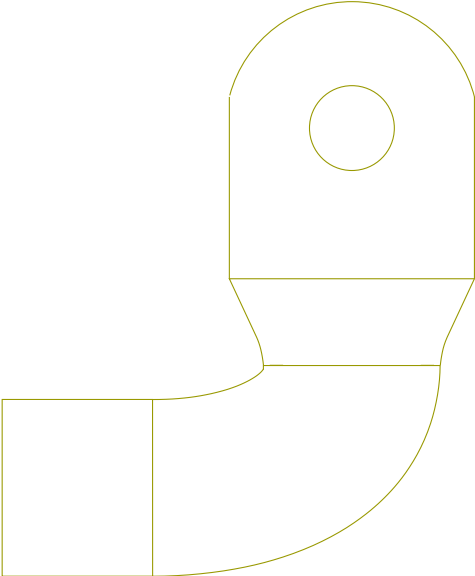
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	4253477 C93	2645961 R1	49.99	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	-	-

Connector NameRing Terminal

Part Number2241434C1

InstancesBattery Box Optional PDM for Lift Gate - 08VBA & 08VVM:Diagram1

MatesOPTIONAL PDM



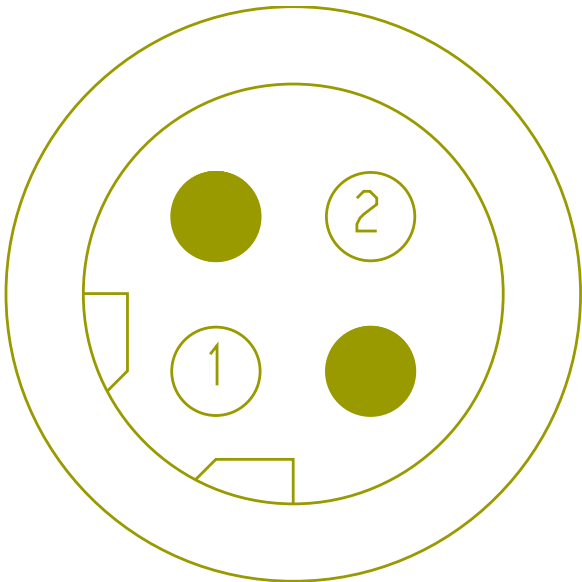
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	R2H2MR1033	2645964R1	61.89	0.0	Std. Wall 125C Battery Cable	RED	0.0	-	A	Ring Terminal

Connector NameR01_4950

Part Number3678796C1

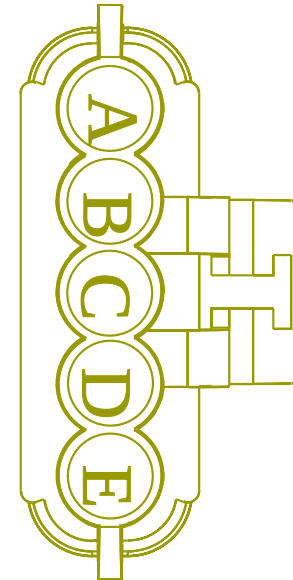
InstancesTraction Control (Bendix, VCU):Diagram1

MatesDEV-TRACTION_SOL-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	94BD	-	0.0	16.0	-	BROWN	0.0	-	1	9800
2	-	-	94BE	-	0.0	16.0	-	GREY	0.0	-	-	-

Connector Name R01_9303A
Part Number 1661375C2
Instances Backup Alarm (From Relay to 5 Pin Daisy Chain. Backup Alarm Plugs in):Diagram1
Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
License Plate Light (LED BOX LAMP Daisy Chain Tail Light):Diagram1
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Mates DEV-DAISY_CHAIN_TAIL_LEFT_LAMP-02



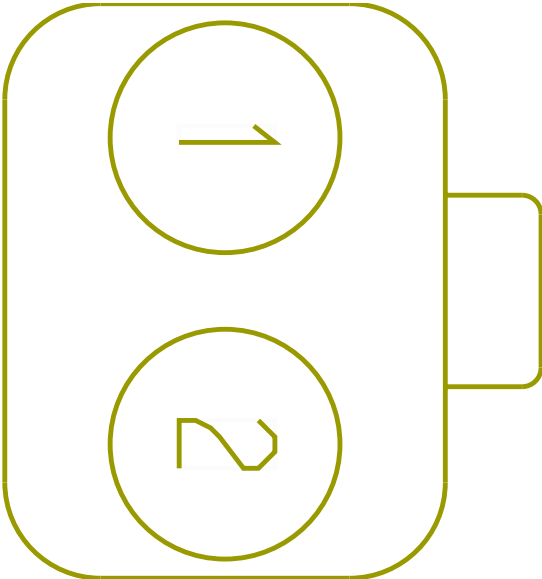
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	71	-	0.0	14.0	-	ORANGE	0.0	-	1	R01_9800
A	-	-	71	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	190.0	-	1	R01_9800
B	-	-	56	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	740.0	-	-	-
C	-	-	57	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	1390.0	-	3	R01_9800
D	-	-	68	-	0.0	14.0	-	BROWN	0.0	-	-	-
E	-	-	10-G	-	0.0	12.0	-	WHITE	0.0	-	12	R01_9800
E	-	-	10-G	-	0.0	12.0	-	WHITE	0.0	-	12	N03_9800

Connector NameR01_9501

Part Number3539777C1

InstancesAntilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1

MatesDEV-Wheel_Drive_Axle_Left_ SNSR-01



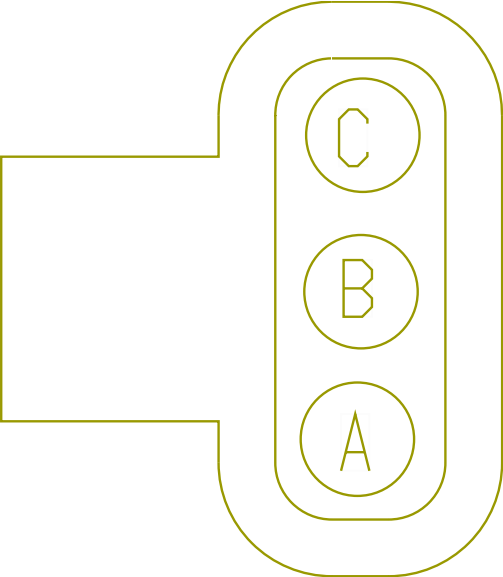
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	94A	-	0.0	16.0	-	GREY	0.0	-	-	-
2	-	-	94B	-	0.0	16.0	-	ORANGE	0.0	-	14	R01_9800

Connector NameR01_9502

Part Number1686834C1

InstancesAntilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1

MatesDEV-LH_DA_VALVE-01



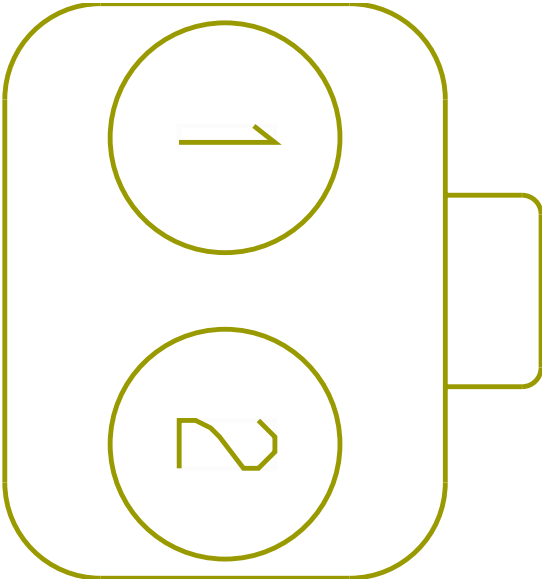
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	94E	-	0.0	16.0	-	GREY	0.0	-	-	-
B	-	-	94F	-	0.0	16.0	-	RED	0.0	-	18	R01_9800
C	-	-	94H	-	0.0	16.0	-	GREY	0.0	-	-	-

Connector NameR01_9503

Part Number3539777C1

InstancesAntilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1

MatesDEV-Wheel_Drive_Axle_Right _SNSR-01



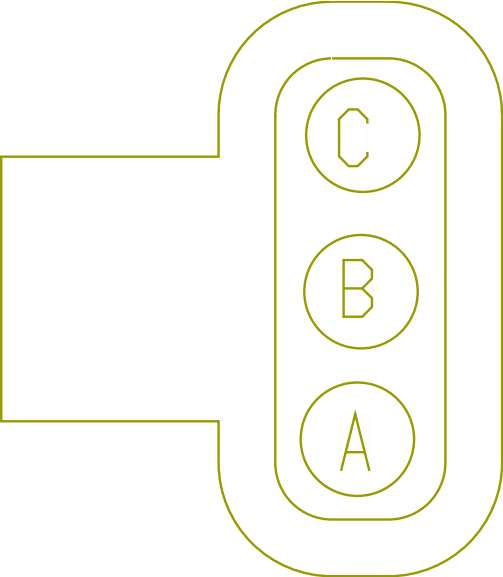
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	94C	-	0.0	16.0	-	GREY	0.0	-	-	-
2	-	-	94D	-	0.0	16.0	-	GREY	0.0	-	-	-

Connector NameR01_9504

Part Number1686834C1

InstancesAntilock Brake System (ABS) (BENDIX 4 Channel
Implemenation - No Modulator Twist):Diagram1

MatesDEV-RH_DA_VALVE-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	94J	-	0.0	16.0	-	GREY	0.0	-	-	-
B	-	-	94K	-	0.0	16.0	-	GREY	0.0	-	-	-
C	-	-	94L	-	0.0	16.0	-	LIGHT BLUE	0.0	-	22	R01_9800

Connector NameR01_9555R

Part Number1661259C1

InstancesVehicle Sound Generator:Diagram1

MatesDEV-SOUND_GEN_REAR_SPEAKER -01



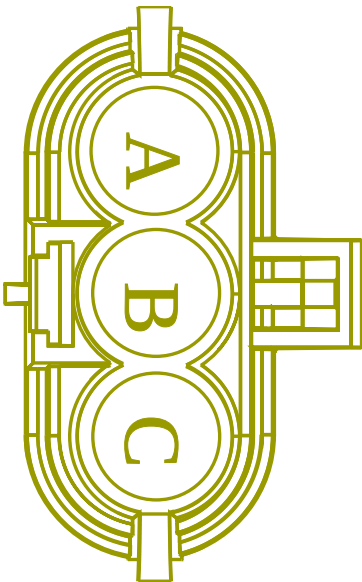
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	86CB	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-
B	-	-	86DB	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-

Connector NameR01_9715F1

Part Number1667732C1

InstancesBody Builder Aux Power (IGN Power, EOF, Blunt Cut):Diagram1
Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1

MatesN03_9715



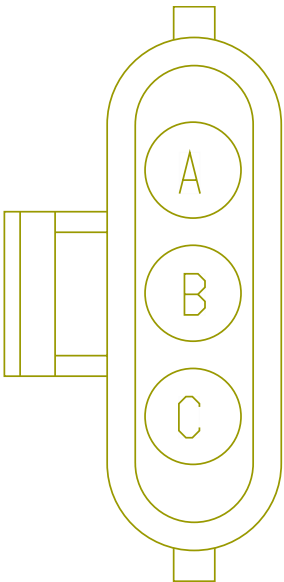
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	70	-	0.0	10.0	-	RED	0.0	-	E	R01_9724A
B	-	-	68A	-	0.0	10.0	-	BROWN	0.0	-	F	R01_9724A
C	-	-	94AAB	-	0.0	10.0	-	GREY	0.0	-	G	R01_9724A

Connector NameR01_9716M1

Part Number1667733C1

InstancesBody Builder Lighting - (8HAA) (Blunt Cut):Diagram1

MatesN03_9716



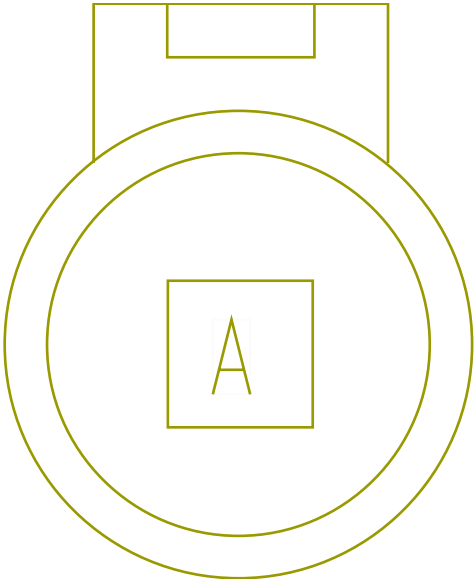
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	58	-	0.0	10.0	-	BROWN	0.0	-	B	R01_9724A
B	-	-	56A	-	0.0	10.0	-	YELLOW 2	0.0	-	C	R01_9724A
C	-	-	57A	-	0.0	10.0	-	LIGHT GREEN	0.0	-	D	R01_9724A

Connector NameR01_9717F1

Part Number3537133C1

InstancesBody Builder Lighting - (8HAA) (Blunt Cut):Diagram1

MatesN03_9717



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	10	-	0.0	8.0	-	WHITE	0.0	-	A	R01_9724A

Connector Name R01_9724A
Part Number BLUNT_SL_VC
Instances Body Builder Aux Power (IGN Power, EOF, Blunt Cut):Diagram1
Body Builder Lighting - (8HAA) (Blunt Cut):Diagram1
Mates BLNT-BODY_BUILDER-01

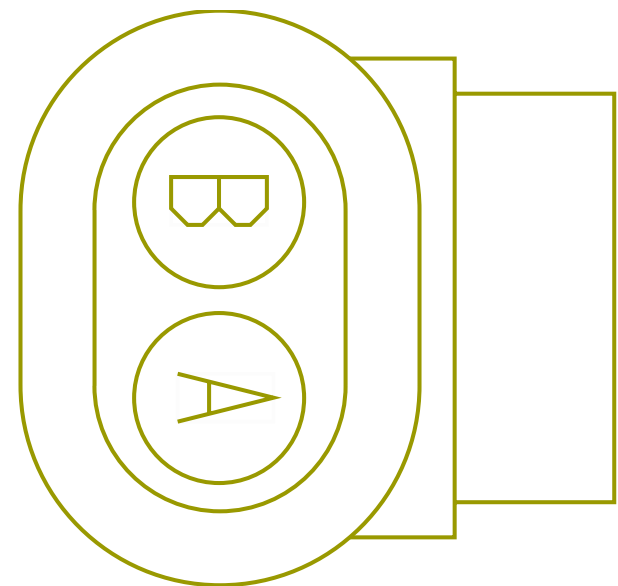
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	10	-	0.0	8.0	-	WHITE	0.0	-	A	R01_971 7F1
B	-	-	58	-	0.0	10.0	-	BROWN	0.0	-	A	R01_971 6M1
C	-	-	56A	-	0.0	10.0	-	YELLOW 2	0.0	-	B	R01_971 6M1
D	-	-	57A	-	0.0	10.0	-	LIGHT GREEN	0.0	-	C	R01_971 6M1
E	-	-	70	-	0.0	10.0	-	RED	0.0	-	A	R01_971 5F1
F	-	-	68A	-	0.0	10.0	-	BROWN	0.0	-	B	R01_971 5F1
G	-	-	94AAB	-	0.0	10.0	-	GREY	0.0	-	C	R01_971 5F1

Connector NameR01_9767

Part Number1661778C1

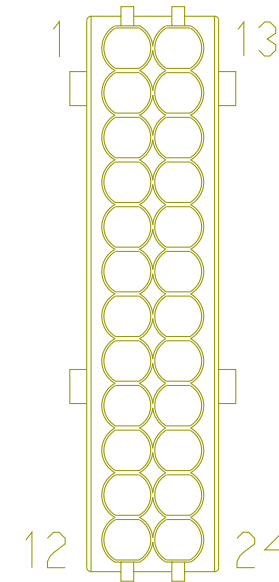
InstancesEnd of Frame Aux Work Light (One Light N/Relay):Diagram1

MatesW01_9719



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	65	-	0.0	16.0	-	ORANGE	0.0	-	-	-
B	-	-	65-G	-	0.0	16.0	-	WHITE	0.0	-	8	9800

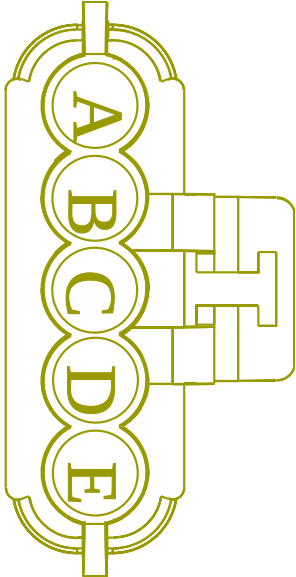
Connector Name R01_9800
Part Number 3558022C1
Instances Antilock Brake System (ABS) (BENDIX 4 Channel
Implementation - No Modulator Twist):Diagram1
Backup Alarm (From Relay to 5 Pin Daisy Chain. Backup Alarm
Plugs in):Diagram1
Backup Light (W/VCU) Dual Daisy Reverse Light:Diagram1
License Plate Light (LED BOX LAMP Daisy Chain Tail
Light):Diagram1
Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Vehicle Sound Generator:Diagram1
Mates N03_9800



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	71	-	0.0	14.0	-	ORANGE	0.0	-	A	R01_930 3A
1	-	-	71	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	190.0	-	A	R01_930 3A
2	-	-	56	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	740.0	-	-	-
3	-	-	57	2643690 R1	1.91	14.0	Std. Wall XLPE Primary Cable	ORANGE	1390.0	-	C	R01_930 3A
4	-	-	68	-	0.0	14.0	-	BROWN	0.0	-	-	-
5	-	-	86CB	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
6	-	-	86DB	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-
12	-	-	10-G	-	0.0	12.0	-	WHITE	0.0	-	E	R01_930 3A
12	-	-	10-G	-	0.0	12.0	-	WHITE	0.0	-	-	-
13	-	-	94A	-	0.0	16.0	-	GREY	0.0	-	-	-
14	-	-	94B	-	0.0	16.0	-	ORANGE	0.0	-	2	R01_9501
15	-	-	94C	-	0.0	16.0	-	GREY	0.0	-	-	-
16	-	-	94D	-	0.0	16.0	-	GREY	0.0	-	-	-
17	-	-	94E	-	0.0	16.0	-	GREY	0.0	-	-	-
18	-	-	94F	-	0.0	16.0	-	RED	0.0	-	B	R01_9502
19	-	-	94H	-	0.0	16.0	-	GREY	0.0	-	-	-
20	-	-	94J	-	0.0	16.0	-	GREY	0.0	-	-	-
21	-	-	94K	-	0.0	16.0	-	GREY	0.0	-	-	-
22	-	-	94L	-	0.0	16.0	-	LIGHT BLUE	0.0	-	C	R01_9504

Connector Name R80_72
Part Number 1661375C2
Instances Rear Lights (Stop) (W/VCU) W/Daisy Chain:Diagram1
Mates DEV-DAISY_CHAIN_TAIL_RIGHT_LAMP-02



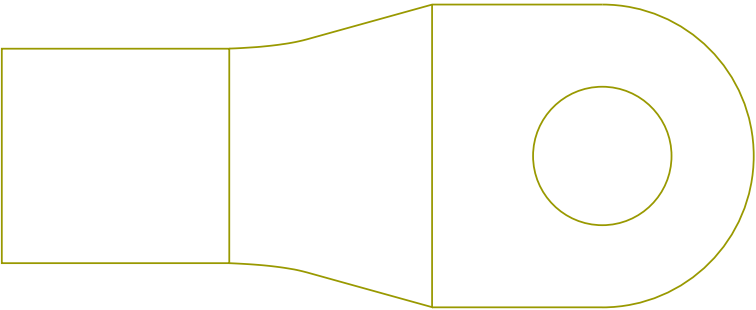
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connector
C	-	-	S57B	2643687 R1	1.91	14.0	Std. Wall XLPE Primary Cable	LIGHT GREEN	1385.0	-	C	P80_71
E	-	-	S10-GC	2643689 R1	1.91	14.0	Std. Wall XLPE Primary Cable	WHITE	0.0	-	E	P80_71

Connector NameS12_100

Part Number4195998C1

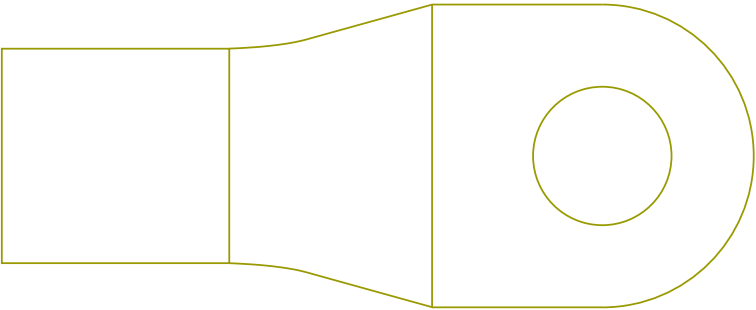
Instances12v Battery Disconnect (Switch Only):Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2

MatesBUS BAR_4441268C91



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	14A	-	0.0	0.0	-	RED	0.0	-	X	-
A	-	-	14A	-	0.0	0.0	-	RED	0.0	-	-	-

Connector Name S12_101
Part Number 4195998C1
Instances 12v Battery Disconnect (Switch Only):Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	14B	-	0.0	0.0	-	RED	0.0	-	X	-
A	-	-	14B	-	0.0	0.0	-	RED	0.0	-	-	-

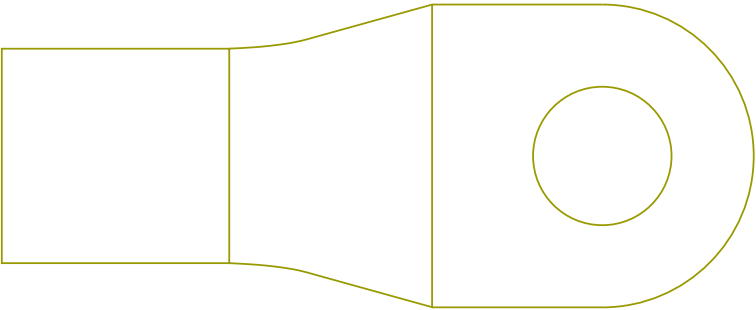
Connector NameS12_102

Part Number4195998C1

Instances12v Battery Disconnect (Switch Only):Diagram1

Charging System (W/VCU) Dual DC/DC Converter 12V W/

InMotion 0008WUM:Diagram2

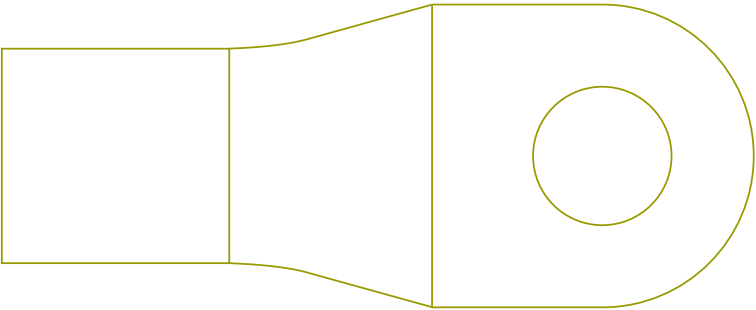


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	14C	-	0.0	0.0	-	RED	0.0	-	X	-

Connector NameS13_100

Part Number2241345C1

InstancesCharging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1
Charging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram2



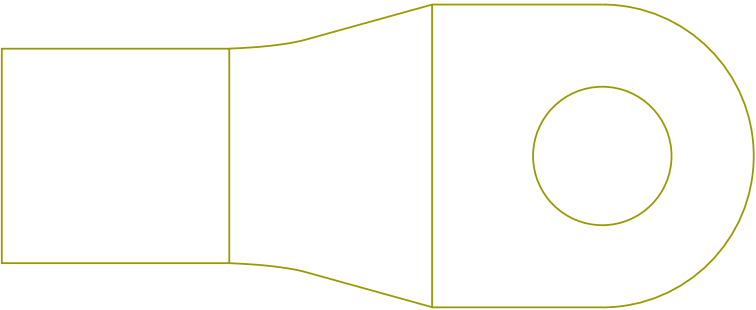
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	14A	-	0.0	0.0	-	RED	0.0	-	X	-

Connector NameS13_101

Part Number2241359C1

InstancesCharging System (W/VCU) Dual DC/DC Converter 12V W/
InMotion 0008WUM:Diagram1

MatesDEV-12V_DC/DC_CONVERTER-01



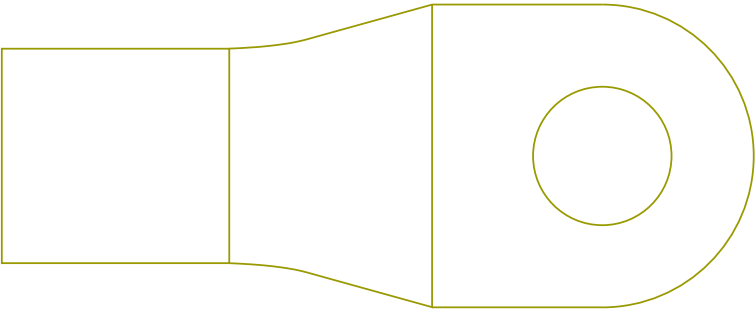
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	14B	-	0.0	0.0	-	RED	0.0	-	X	-

Connector NameS13_102

Part Number2241359C1

InstancesCharging System (W/VCU) Dual DC/DC Converter 12V W/InMotion 0008WUM:Diagram2

MatesDEV-SECOND_12V_DC/DC_CONVE RTER-01



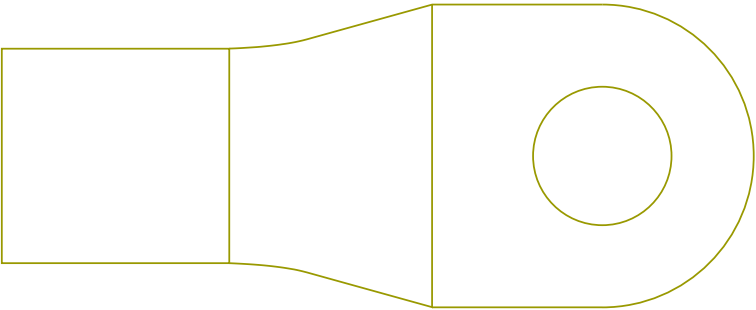
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	14C	-	0.0	0.0	-	RED	0.0	-	-	-

Connector NameTerminal 1

Part Number2241359C1

InstancesBattery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

Mates12V BATTERY



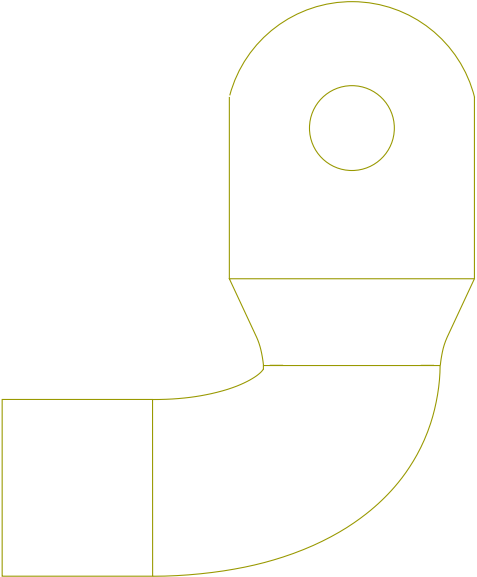
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	Smart Part	-	0.0	0.0	-	RED	0.0	-	A	Terminal 2

Connector NameTerminal 2

Part Number2241617C1

InstancesBattery Box Optional PDM for Lift Gate - W/08VBA & N/510244:Diagram1

MatesOPTIONAL PDM



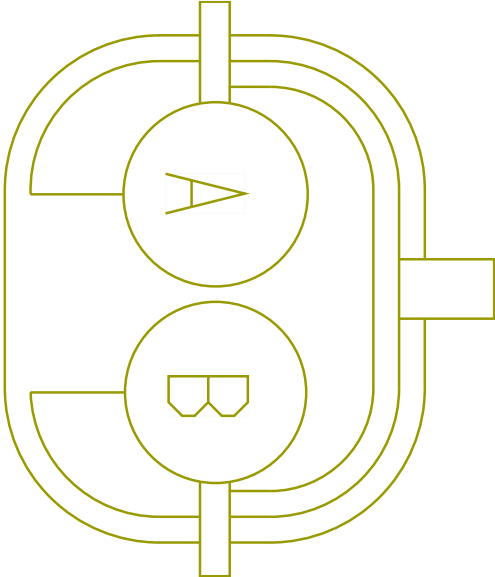
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	Smart Part	-	0.0	0.0	-	RED	0.0	-	A	Terminal 1

Connector NameW01_9719

Part Number3543888C1

InstancesEnd of Frame Aux Work Light (One Light N/Relay):Diagram1

MatesR01_9767



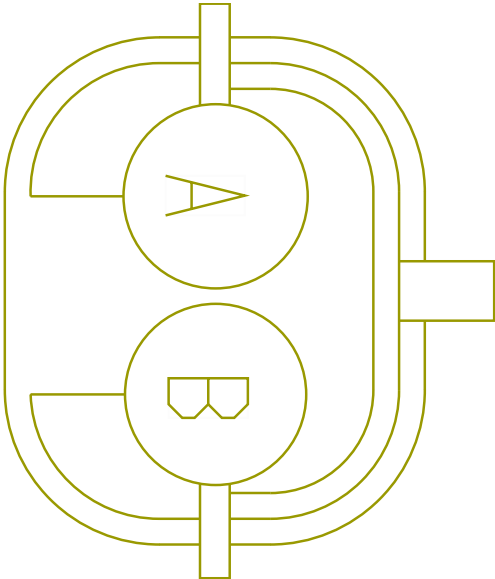
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	J65	-	0.0	16.0	-	BLACK	0.0	-	A	W01_9720
B	-	-	J11-GK	-	0.0	16.0	-	WHITE	0.0	-	B	W01_9720

Connector NameW01_9720

Part Number3543888C1

InstancesEnd of Frame Aux Work Light (One Light N/Relay):Diagram1

MatesDEV-WORK_LIGHT_EOF-01



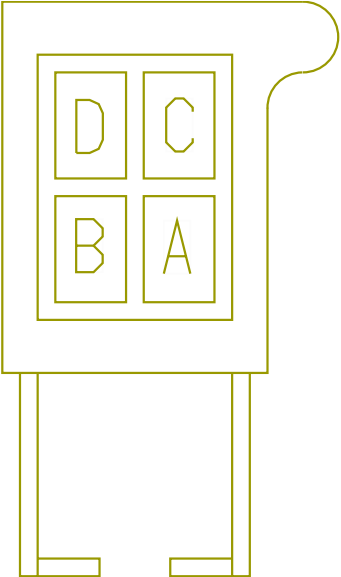
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	J65	-	0.0	16.0	-	BLACK	0.0	-	A	W01_9719
B	-	-	J11-GK	-	0.0	16.0	-	WHITE	0.0	-	B	W01_9719

Connector NameW21_23XX

Part Number3534156C1

InstancesDoor Ajar Reminder (Entry/Exit) (2 Doors):Diagram1
Speakers:Four Speakers & N/QC:Diagram1

MatesA67_2313



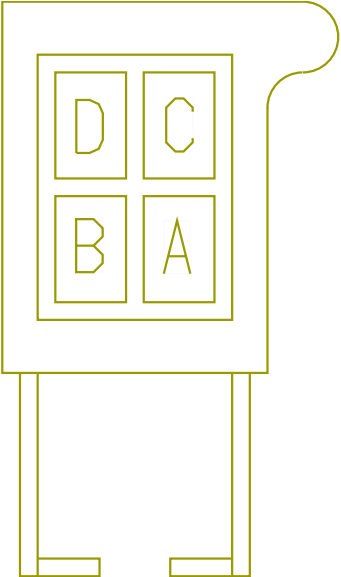
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	63	-	0.0	16.0	-	DARK BLUE	0.0	-	A	W21_3500
B	-	-	9	-	0.0	16.0	-	GREY	0.0	-	-	-
C	-	-	86BDA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	C	W21_23XX
D	-	-	86CEA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	D	W21_23XX

Connector NameW21_23XX

Part Number3534156C1

InstancesDoor Ajar Reminder (Entry/Exit) (2 Doors):Diagram1
Speakers:Four Speakers & N/QC:Diagram1

MatesA67_2312



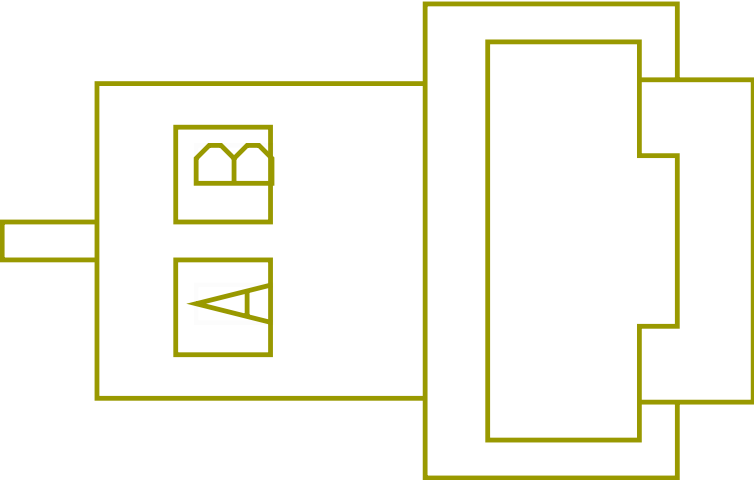
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	63	-	0.0	16.0	-	DARK BLUE	0.0	-	-	-
B	-	-	9	-	0.0	16.0	-	GREY	0.0	-	A	W21_3501
C	-	-	86BDA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	C	W21_23XX
D	-	-	86CEA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	D	W21_23XX

Connector NameW21_2300

Part Number3535769C1

InstancesSpeakers:Four Speakers & N/QC:Diagram1

MatesDEV-SPKR_LR-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	86BDA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-
B	-	-	86CEA	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-

Connector NameW21_3500

Part Number239808R1

InstancesDoor Ajar Reminder (Entry/Exit) (2 Doors):Diagram1

MatesDEV-LH_Door_Switch-01



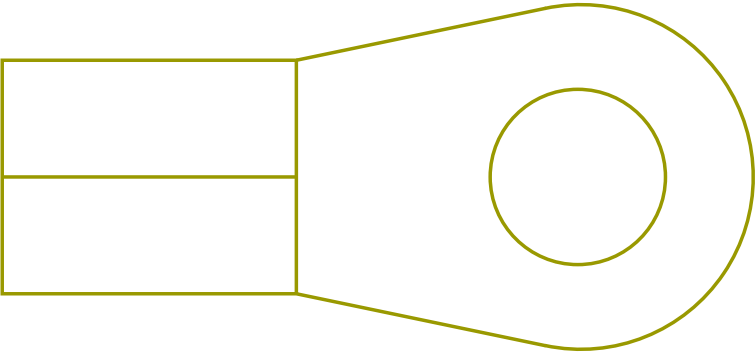
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	63	-	0.0	16.0	-	DARK BLUE	0.0	-	A	W21_23XX

Connector Name W21_3501
Part Number 239808R1
Instances Door Ajar Reminder (Entry/Exit) (2 Doors):Diagram1
Mates DEV-RH_Door_Switch-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	9	-	0.0	16.0	-	GREY	0.0	-	B	W21_23XX

Connector Name 1002
Part Number 2015884C1
Instances VCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)
Mates CP-B2-K03-1B



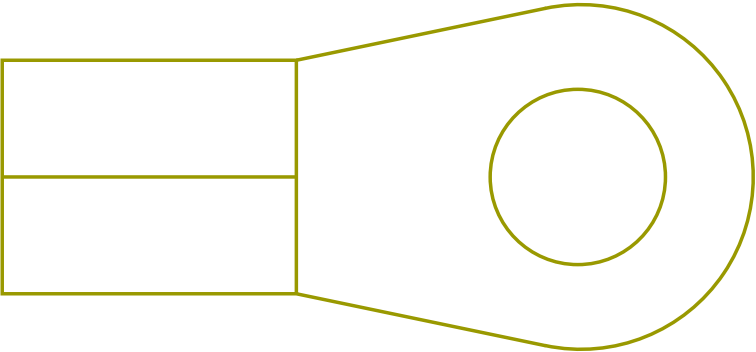
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	CD14	2644026 R1	18.94	4.0	Std. Wall XLPE Battery Cable	RED	2190.0	-	-	-

Connector Name1003

Part Number2015884C1

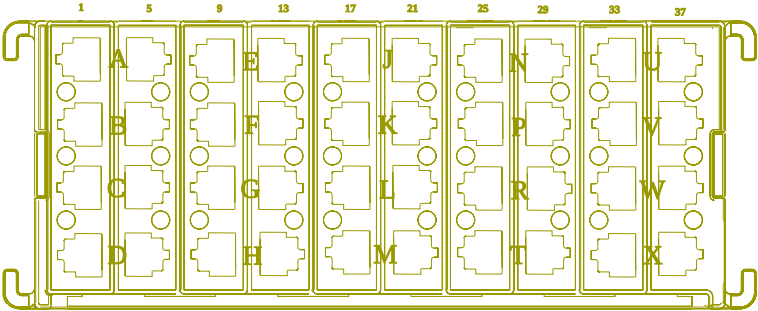
InstancesVCU PDM and Underhood PDM:VCU Mounted PDM (PDM 1)
and Underhood PDM (PDM 2)

MatesCP-B2-K03-1C



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	CD14D	2644026 R1	18.94	4.0	Std. Wall XLPE Battery Cable	RED	2310.0	-	-	-

Connector Name 1010
Part Number 3768015C1
Short Description B1
Instances Battery Feed:Diagram 1
Mates POWER DISTRIBUTION BOX



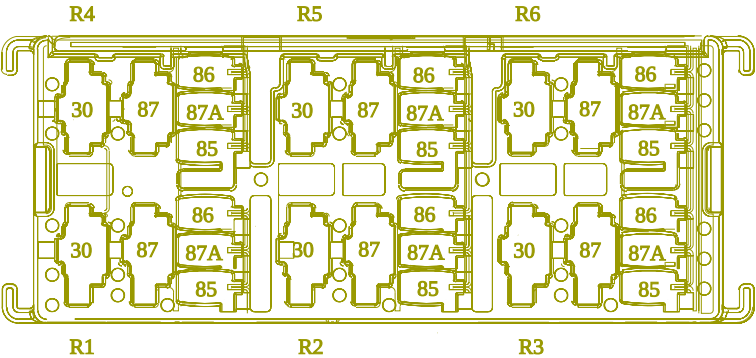
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	CD14AB	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	75.0	-	X	-
5	-	-	UL92BT	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	2195.0	-	-	-
6	-	-	VE70J	-	0.0	12.0	-	ORANGE	0.0	-	-	-
7	-	-	AE98H	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	2240.0	-	-	-
7	-	-	AD98H	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	2240.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
8	-	-	AC14D	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	895.0	-	-	-
8	-	-	AB14D	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	2350.0	-	-	-
10	-	-	CD14AC	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	75.0	-	X	-
13	-	-	AA14EE	-	0.0	20.0	-	TAN	0.0	-	-	-
14	-	-	TA75AC	2643695 R1	3.01	12.0	Std. Wall XLPE Primary Cable	RED	3415.0	-	-	-
15	-	-	EB15	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	0.0	-	-	-
16	-	-	YD14CSB	3510366 R1	1.16	16.0	Thin Wall XLPE Primary Cable	RED	2230.0	-	-	-
18	-	-	CD14AD	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	75.0	-	X	-
21	-	-	ER14YJ	-	0.0	18.0	-	RED	0.0	-	-	-
22	-	-	VH94TV	-	0.0	12.0	-	GREY	0.0	-	-	-
23	-	-	EN14KBB	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	2783.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
24	-	-	VW14ED	2643686 R1	1.91	14.0	Std. Wall XLPE Primary Cable	RED	3205.0	-	-	-
24	-	-	AN39	-	0.0	16.0	-	RED	0.0	-	-	-
26	-	-	CD14AE	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	75.0	-	X	-
29	-	-	EP86P	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-
30	-	-	RC81B	-	0.0	12.0	-	RED	0.0	-	-	-
31	-	-	AA14MUX	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	1545.0	-	-	-
32	-	-	HN20	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	0.0	-	-	-
34	-	-	CD14AF	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	75.0	-	X	-
37	-	-	MK14TS	3510364 R1	0.53	20.0	Thin Wall XLPE Primary Cable	RED	1950.0	-	-	-
37	-	-	MQ14ED	3510366 R1	1.16	16.0	Thin Wall XLPE Primary Cable	RED	4735.0	-	-	-

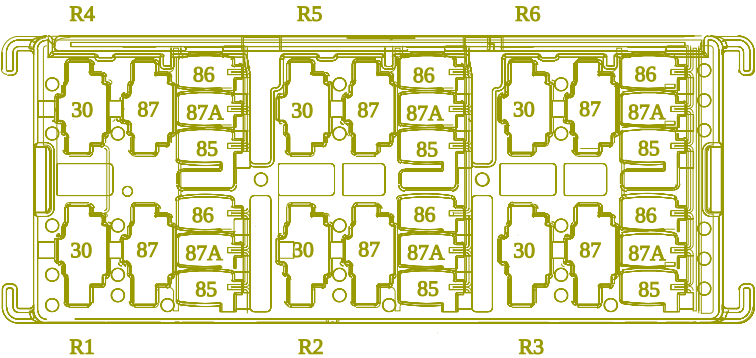
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
37	-	-	VW14EA	2643760 R1	1.16	16.0	Std. Wall XLPE Primary Cable	RED	4785.0	-	-	-
37	-	-	MM14EB	2643759 R1	0.79	18.0	Std. Wall XLPE Primary Cable	RED	385.0	-	-	-
37	-	-	MP14EA	3510366 R1	1.16	16.0	Thin Wall XLPE Primary Cable	RED	4735.0	-	-	-
38	-	-	RC81A	3510302 R1	3.01	12.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3045.0	-	-	-
39	-	-	XA94AY	-	0.0	12.0	-	GREY	0.0	-	-	-
40	-	-	LB17BA	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	1720.0	-	-	-

Connector Name 1011
Part Number 3768010C1
Instances Relays - Grid Management:Diagram1
Mates POWER DISTRIBUTION BOX



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R4 - 30	-	-	CD14DA	3510369 R1	4.81	10.0	Thin Wall XLPE Primary Cable	RED	575.0	-	X	-
R4 - 85	-	-	AD11-GRA	-	0.0	18.0	-	WHITE	0.0	-	-	-
R4 - 86	-	-	EJ12S	3510341 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	255.0	-	X	-
R4 - 86	-	-	EH12C	3510341 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	2825.0	-	A	J6-1606
R4 - 87	-	-	EH12D	3510344 R1	3.01	12.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	245.0	-	-	-

Connector Name 1014
Part Number 3768010C1
Instances Relays - Grid Management:Diagram1
Mates POWER DISTRIBUTION BOX



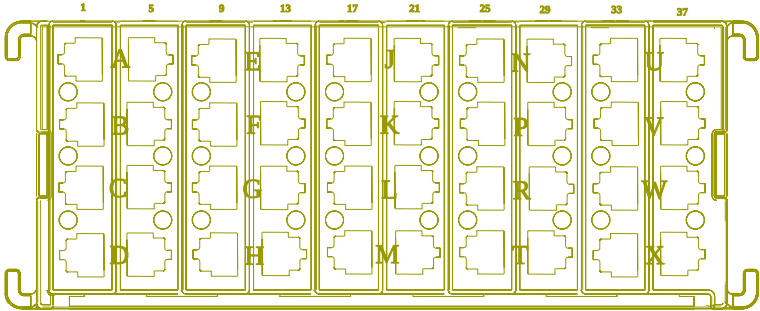
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R4 - 30	-	-	CD14DB	3510369 R1	4.81	10.0	Thin Wall XLPE Primary Cable	RED	580.0	-	X	-
R4 - 85	-	-	AD11-GY	3510359 R1	0.79	18.0	Thin Wall XLPE Primary Cable	WHITE	1380.0	-	-	-
R4 - 86	-	-	DJ13DF	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	420.0	-	X	-
R4 - 87	-	-	DJ13DG	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	525.0	-	-	-

Connector Name1015

Part Number3768015C1

InstancesKey Switch Ignition:Diagram 1

MatesPOWER DISTRIBUTION BOX



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	DJ13DJ	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	230.0	-	X	-
5	-	-	MQ13EE	3510324 R1	1.16	16.0	Thin Wall XLPE Primary Cable	PINK	4955.0	-	-	-
5	-	-	MM13EE	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	4955.0	-	-	-
5	-	-	MK13TS	3510322 R1	0.53	20.0	Thin Wall XLPE Primary Cable	PINK	2170.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	VW13EE	3510324 R1	1.16	16.0	Thin Wall XLPE Primary Cable	PINK	5005.0	-	-	-
5	-	-	AA14A	-	0.0	18.0	-	PINK	0.0	-	-	-
6	-	-	HJ87KA	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	2445.0	-	-	-
7	-	-	DJ13DR	-	0.0	18.0	-	PINK	0.0	-	-	-
7	-	-	DN13FF	-	0.0	18.0	-	PINK	0.0	-	-	-
8	-	-	AA14XA	-	0.0	16.0	-	RED	0.0	-	-	-
10	-	-	DJ13DK	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	230.0	-	X	-
13	-	-	KR59J	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	2840.0	-	-	-
13	-	-	KT59JB	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	290.0	-	-	-
13	-	-	KS59JB	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	290.0	-	-	-
13	-	-	KU59JB	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	290.0	-	-	-
13	-	-	AP13LA	-	0.0	14.0	-	PINK	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
15	-	-	ZL71AB	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	3505.0	-	-	-
16	-	-	AB13D	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	2570.0	-	-	-
16	-	-	AC13D	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	1115.0	-	-	-
18	-	-	DJ13DL	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	230.0	-	X	-
21	-	-	SJ86P	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2455.0	-	-	-
21	-	-	SH86P	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	5440.0	-	-	-
22	-	-	RF78RP	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	490.0	-	-	-
23	-	-	AA13EB	-	0.0	20.0	-	TAN	0.0	-	-	-
24	-	-	UN92YD	3510330 R1	1.16	16.0	Thin Wall XLPE Primary Cable	TAN	1470.0	-	-	-
24	-	-	AA23M	-	0.0	12.0	-	RED	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
26	-	-	DJ13DM	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	230.0	-	X	-
29	-	-	YD67A	3510324 R1	1.16	16.0	Thin Wall XLPE Primary Cable	PINK	2200.0	-	-	-
29	-	-	YA67A	3510324 R1	1.16	16.0	Thin Wall XLPE Primary Cable	PINK	2445.0	-	-	-
30	-	-	KH39A	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	2525.0	-	-	-
31	-	-	LL13C	-	0.0	16.0	-	PINK	0.0	-	-	-
32	-	-	AA97H	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	0.0	-	-	-
34	-	-	DJ13DN	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	230.0	-	X	-
37	-	-	XA94V	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	-	-
37	-	-	XE94V	2643782 R1	1.91	14.0	Std. Wall XLPE Primary Cable	GREY	3430.0	-	-	-
38	-	-	KX39	-	0.0	16.0	-	GREY	0.0	-	-	-

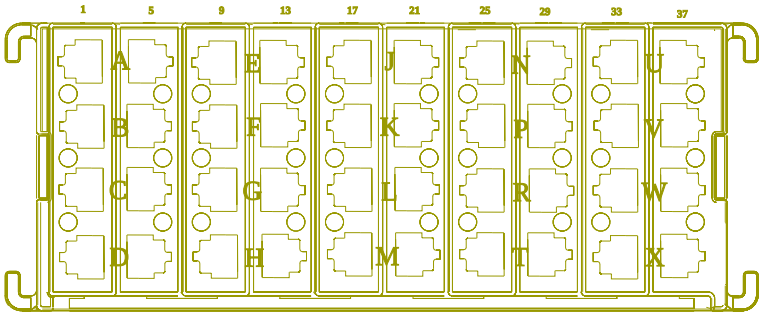
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
39	-	-	YB67TA	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	2525.0	-	-	-

Connector Name1015

Part Number3768015C1

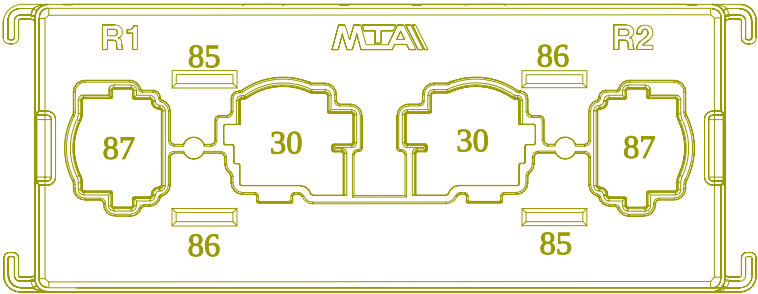
InstancesKey Switch Ignition:Diagram 1

MatesPOWER DISTRIBUTION BOX



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
14	-	-	DL13AB	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	1000.0	-	-	-

Connector Name 1016
Part Number 4100070C1
Instances Relays - Grid Management:Diagram1
Mates POWER DISTRIBUTION BOX



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R1 - 30	-	-	CD14C	3525611 R1	7.48	8.0	Thin Wall XLPE Primary Cable	RED	685.0	-	X	-
R1 - 87	-	-	CD14CA	3525611 R1	7.48	8.0	Thin Wall XLPE Primary Cable	RED	455.0	-	-	-
R2 - 30	-	-	CD14DC	3525611 R1	7.48	8.0	Thin Wall XLPE Primary Cable	RED	685.0	-	X	-
R2 - 85	-	-	AD11-GZA	-	0.0	18.0	-	WHITE	0.0	-	-	-
R2 - 86	-	-	DJ13DE	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	525.0	-	X	-

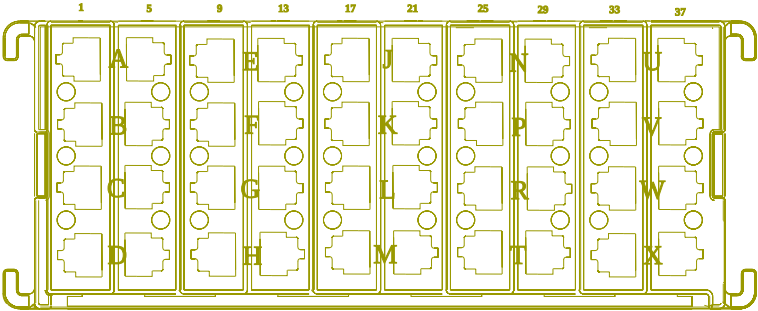
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
R2 - 87	-	-	DJ13DH	3525611 R1	7.48	8.0	Thin Wall XLPE Primary Cable	RED	170.0	-	-	-

Connector Name1017

Part Number3768015C1

InstancesBattery Feed:Diagram 1
Key Switch Accessory:Diagram 1
Key Switch Ignition:Diagram 1

MatesPOWER DISTRIBUTION BOX



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	CD14CG	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	140.0	-	X	-
2	-	-	CD14CH	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	140.0	-	X	-
3	-	-	EH12J	3510341 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	120.0	-	X	-
4	-	-	CD14AG	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	280.0	-	X	-
5	-	-	AP14LA	-	0.0	14.0	-	PINK	0.0	-	-	-

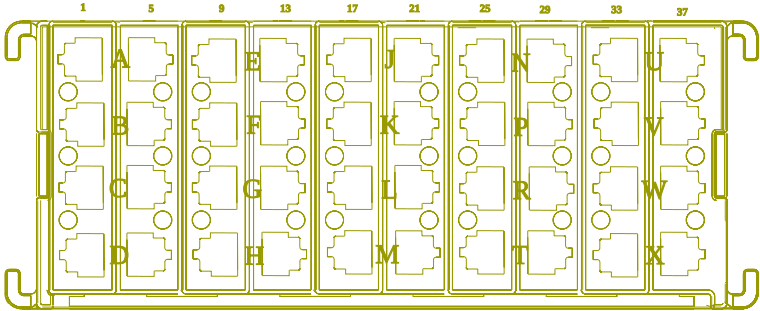
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
6	-	-	QF14A	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	4870.0	-	-	-
6	-	-	QE14A	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	3556.0	-	-	-
8	-	-	TJ14NS	3510296 R1	3.01	12.0	Thin Wall XLPE Primary Cable	BLACK	2050.0	-	-	-
10	-	-	CD14CB	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	140.0	-	X	-
13	-	-	NE14A	3510322 R1	0.53	20.0	Thin Wall XLPE Primary Cable	PINK	2030.0	-	-	-
13	-	-	LJ104DA	3510354 R1	1.16	16.0	Thin Wall XLPE Primary Cable	DARK BLUE	460.0	-	-	-
14	-	-	JH84C	-	0.0	14.0	-	LIGHT GREEN	0.0	-	-	-
15	-	-	AA63BF	-	0.0	18.0	-	DARK BLUE	0.0	-	-	-
16	-	-	MH26D	2643676 R1	0.79	18.0	Std. Wall XLPE Primary Cable	TAN	3445.0	-	-	-
16	-	-	MJ26D	2643676 R1	0.79	18.0	Std. Wall XLPE Primary Cable	TAN	3445.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
16	-	-	AP14RA	-	0.0	14.0	-	PINK	0.0	-	-	-
17	-	-	CD14CC	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	140.0	-	X	-
18	-	-	CD14CD	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	140.0	-	X	-
19	-	-	CD14CE	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	140.0	-	X	-
20	-	-	CD14CF	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	140.0	-	X	-
21	-	-	KL18V	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	365.0	-	-	-
21	-	-	KK18V	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	365.0	-	-	-
22	-	-	TH14SC	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	460.0	-	-	-
22	-	-	VK14BA	3510366 R1	1.16	16.0	Thin Wall XLPE Primary Cable	RED	460.0	-	-	-
23	-	-	JA84	-	0.0	14.0	-	LIGHT GREEN	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
25	-	-	EJ12H	3510342 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	120.0	-	X	-
26	-	-	EJ12E	3510341 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	120.0	-	X	-
27	-	-	EH12F	3510344 R1	3.01	12.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	120.0	-	X	-
28	-	-	EJ12G	3510342 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	120.0	-	X	-
29	-	-	ZR12ZA	3510341 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	1220.0	-	-	-
30	-	-	EP86AH	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-
31	-	-	EP86F	-	0.0	18.0	-	LIGHT GREEN	0.0	-	-	-
32	-	-	NC12B	3510340 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT BLUE	2030.0	-	-	-
34	-	-	DJ13DT	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	425.0	-	X	-
37	-	-	PB97DF	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	3445.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
37	-	-	AA10VA	-	0.0	18.0	-	RED	0.0	-	-	-
38	-	-	RM78AA	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	0.0	-	-	-
39	-	-	JK13U	-	0.0	20.0	-	PINK	0.0	-	-	-
39	-	-	JE13E	-	0.0	20.0	-	PINK	0.0	-	-	-

Connector Name 1018
Part Number 3768015C1
Instances Battery Feed:Diagram 1
Key Switch Ignition:Diagram 1
Mates POWER DISTRIBUTION BOX



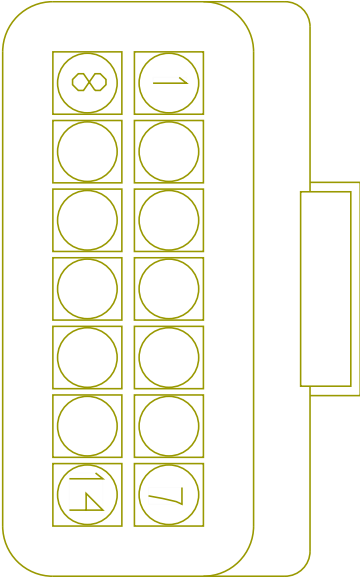
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	CD14BG	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	150.0	-	X	-
3	-	-	CD14BD	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	150.0	-	X	-
4	-	-	CD14BE	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	150.0	-	X	-
6	-	-	JD86C2	3510301 R1	1.91	14.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1395.0	-	-	-
7	-	-	LL14G	-	0.0	16.0	-	RED	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
8	-	-	XT40A	3510313 R1	1.91	14.0	Thin Wall XLPE Primary Cable	GREY	2235.0	-	-	-
10	-	-	CD14CJ	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	455.0	-	X	-
11	-	-	CD14BB	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	150.0	-	X	-
12	-	-	CD14BC	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	150.0	-	X	-
14	-	-	VN70JA	3510320 R1	3.01	12.0	Thin Wall XLPE Primary Cable	ORANGE	495.0	-	-	-
15	-	-	RD81D	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	3945.0	-	-	-
16	-	-	RD81DA	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	3945.0	-	-	-
18	-	-	CD14BA	3510368 R1	3.01	12.0	Thin Wall XLPE Primary Cable	RED	150.0	-	X	-
21	-	-	AA73C	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1285.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
22	-	-	RK78E	3510301 R1	1.91	14.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	525.0	-	-	-
23	-	-	ZF14SUN	2645629 R1	0.35	22.0	Thin Wall XLPE Primary Cable	RED	2890.0	-	-	-
24	-	-	JE14UA	3510301 R1	1.91	14.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1465.0	-	-	-
24	-	-	JK14UA	-	0.0	14.0	-	LIGHT GREEN	0.0	-	-	-
26	-	-	DJ13DP	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	250.0	-	X	-
29	-	-	HR13X	3510324 R1	1.16	16.0	Thin Wall XLPE Primary Cable	PINK	2175.0	-	-	-
30	-	-	QU14R	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	1575.0	-	-	-
30	-	-	QD105C	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3810.0	-	-	-
30	-	-	QZ13R3	3510365 R1	0.79	18.0	Thin Wall XLPE Primary Cable	RED	2320.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
31	-	-	NP13DCG	3510323 R1	0.79	18.0	Thin Wall XLPE Primary Cable	PINK	1035.0	-	-	-
32	-	-	JJ13UC	-	0.0	20.0	-	PINK	0.0	-	-	-
32	-	-	JF13UC	-	0.0	20.0	-	PINK	0.0	-	-	-
34	-	-	DJ13DG	3510326 R1	3.01	12.0	Thin Wall XLPE Primary Cable	PINK	525.0	-	-	-
37	-	-	AN22AA	-	0.0	16.0	-	PINK	0.0	-	-	-
37	-	-	JQ13UCC	-	0.0	20.0	-	PINK	0.0	-	-	-
38	-	-	JA13UA	-	0.0	20.0	-	PINK	0.0	-	-	-
39	-	-	UL92#163	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	2435.0	-	-	-
40	-	-	MQ98F	3510328 R1	0.53	20.0	Thin Wall XLPE Primary Cable	TAN	1985.0	-	-	-
40	-	-	AQ13RA	-	0.0	14.0	-	PINK	0.0	-	-	-
40	-	-	AP13RA	-	0.0	14.0	-	PINK	0.0	-	-	-

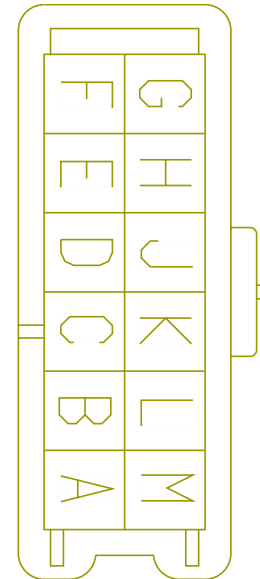
Connector Name 1021
Part Number 3613769C1
Instances Panel Light Dimmer Splice Pack - 1021:Diagram1
Mates SP-Panel_Dimmer-B003-10-AA



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AC62DA	3510354 R1	1.16	16.0	Thin Wall XLPE Primary Cable	DARK BLUE	1065.0	-	-	-
1	-	-	AB62DA	3510354 R1	1.16	16.0	Thin Wall XLPE Primary Cable	DARK BLUE	1020.0	-	-	-
1	-	-	AB62DC	3510354 R1	1.16	16.0	Thin Wall XLPE Primary Cable	DARK BLUE	0.0	-	-	-
2	-	-	NA62F	3510352 R1	0.53	20.0	Thin Wall XLPE Primary Cable	DARK BLUE	500.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
4	-	-	YD62A	3510353 R1	0.79	18.0	Thin Wall XLPE Primary Cable	DARK BLUE	1345.0	-	-	-
5	-	-	UL62Z	-	0.0	18.0	-	DARK BLUE	0.0	-	-	-
10	-	-	RG62DD	3510353 R1	0.79	18.0	Thin Wall XLPE Primary Cable	DARK BLUE	905.0	-	-	-
14	-	-	UF62A	3510353 R1	0.79	18.0	Thin Wall XLPE Primary Cable	DARK BLUE	1080.0	-	-	-
14	-	-	UN62A	3510353 R1	0.79	18.0	Thin Wall XLPE Primary Cable	DARK BLUE	1000.0	-	-	-

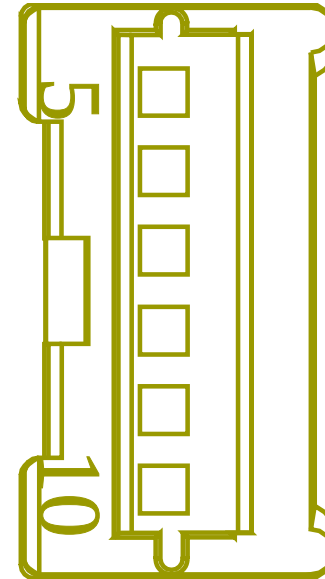
Connector Name 1024
Part Number 3601838C1
Instances Body Standard J1939 (250Kbps):Body Standard J1939 (250Kbps)
Mates SP-IP-B001-00-10-A1-1024



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	WIRE722734	-	0.0	-	-	-	0.0	-	PIN1	-
B	-	-	-	-	-	-	-	-	-	-	-	-
C	-	-	WIRE722741	-	0.0	-	-	-	0.0	-	D	1024
D	-	-	WIRE722741	-	0.0	-	-	-	0.0	-	C	1024
E	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	WIRE775838	-	0.0	-	-	-	0.0	-	A	A67_250M
G	-	-	WIRE775839	-	0.0	-	-	-	0.0	-	B	A67_250M
H	-	-	-	-	-	-	-	-	-	-	-	-
J	-	-	WIRE722740	-	0.0	-	-	-	0.0	-	K	1024
K	-	-	WIRE722740	-	0.0	-	-	-	0.0	-	J	1024

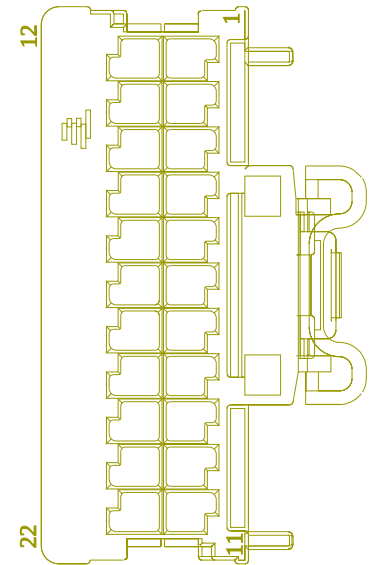
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
L	-	-	-	-	-	-	-	-	-	-	-	-
M	-	-	WIRE722 733	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name 1101F
Part Number 3768593C1
Instances Auxiliary Air Solenoids (Normally Closed):Diagram1
Electronic Logging Device (ELD) Indicator (J1939 Switchpack Indicator):Diagram1
End of Frame Aux Work Light (One Light N/Relay):Diagram1
Exterior Lamp Check (Horizon):Diagram1
Height Control (W/VCU):Diagram1
Jaw Unlock Control W/ SOLENOIDS W/SWITCH PACKS:Diagram1
Low Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)
Mirrors (Heated) (MUX Switch, 2 Cab and 1 Hood Mirror Left Side Only):Diagram1
Power Lift Gate:Diagram1
Regenerative Braking (W/VCU):Diagram1
Theft Deterrent (Standard, J1939 Mux SW, W/VCU):Diagram1
Traction Control (Bendix, VCU):Diagram1
Mates SW-J1939_PACK-0009-00-02A



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	WIRE1651	-	0.0	-	-	-	0.0	-	PIN1	-
6	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	WIRE1652	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name 1200A
Part Number 3768152C1
Instances HVAC Actuators:Diagram 1
Mates DEV-HVAC_CTRL_HEAD_AUTO-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
9	-	-	AA74A2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	B	1200E
10	-	-	AA74B2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	G	1200E
11	-	-	AA74D5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	K	1200C
18	-	-	AA74C2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	B	1200C

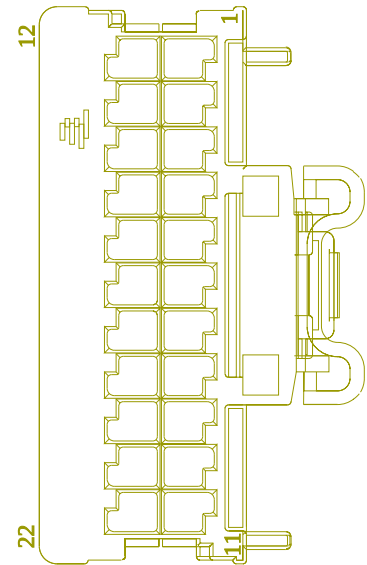
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
19	-	-	AA74E2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	M	1200C
21	-	-	AA74D2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	G	1200C
22	-	-	AA74D4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	J	1200C

Connector Name1200A

Part Number3768152C1

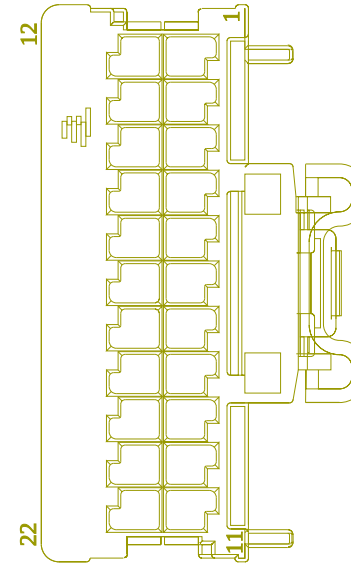
InstancesHVAC Actuators:Diagram 1

MatesDEV-HVAC_CTRL_HEAD_AUTO-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	AA75B	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	P	1200E
6	-	-	TA75A	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1390.0	-	X	-

Connector Name 1200B
Part Number 3768153C1
Instances HVAC Actuators:Diagram 1
Mates DEV-HVAC_CTRL_HEAD_AUTO-01

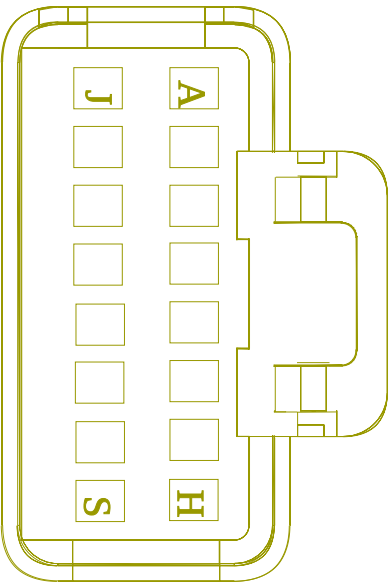


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AA74B1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	F	1200E
2	-	-	AA74B3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	H	1200E
3	-	-	AA74B4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	J	1200E
4	-	-	AA74C1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	A	1200C

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	AA74C3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	C	1200C
6	-	-	AA74C4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	D	1200C
7	-	-	AA74C5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	E	1200C
8	-	-	AA74E1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	L	1200C
9	-	-	AA74E3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	N	1200C
10	-	-	AA74E4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	P	1200C
11	-	-	AA74E5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	S	1200C
12	-	-	AA74B5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	K	1200E
13	-	-	AA74A1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	A	1200E

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
14	-	-	AA74A3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	C	1200E
15	-	-	AA74A4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	D	1200E
16	-	-	AA74A5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	E	1200E
21	-	-	AA74D1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	F	1200C
22	-	-	AA74D3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	H	1200C

Connector Name 1200C
Part Number 4057474C1
Instances HVAC Actuators:Diagram 1
Mates P41003



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA74C1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	4	1200B
B	-	-	AA74C2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	18	1200A
C	-	-	AA74C3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	5	1200B
D	-	-	AA74C4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	6	1200B

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E	-	-	AA74C5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	7	1200B
F	-	-	AA74D1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	21	1200B
G	-	-	AA74D2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	21	1200A
H	-	-	AA74D3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	22	1200B
J	-	-	AA74D4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	22	1200A
K	-	-	AA74D5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	11	1200A
L	-	-	AA74E1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	8	1200B
M	-	-	AA74E2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	19	1200A
N	-	-	AA74E3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	9	1200B

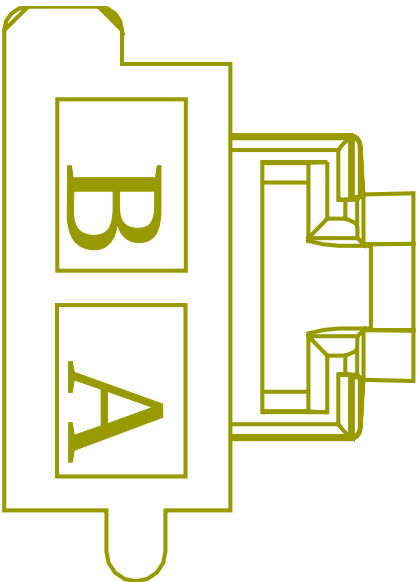
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
P	-	-	AA74E4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	10	1200B
S	-	-	AA74E5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3240.0	-	11	1200B

Connector Name1200D

Part Number4061870C1

InstancesHVAC Actuators:Diagram 1

MatesP41011



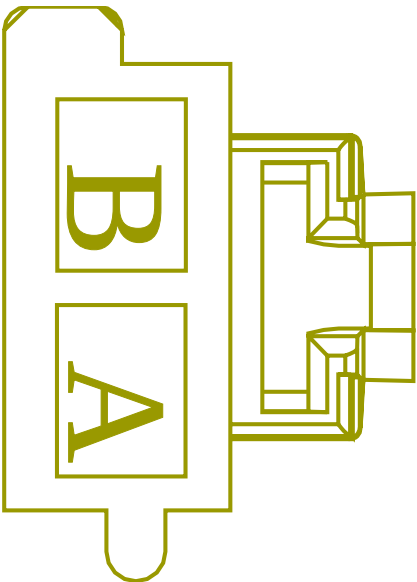
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	TA75AC	2643695 R1	3.01	12.0	Std. Wall XLPE Primary Cable	RED	3415.0	-	-	-
B	-	-	AD75-G	3510362 R1	3.01	12.0	Thin Wall XLPE Primary Cable	WHITE	2170.0	-	X	-

Connector Name1200D

Part Number4061870C1

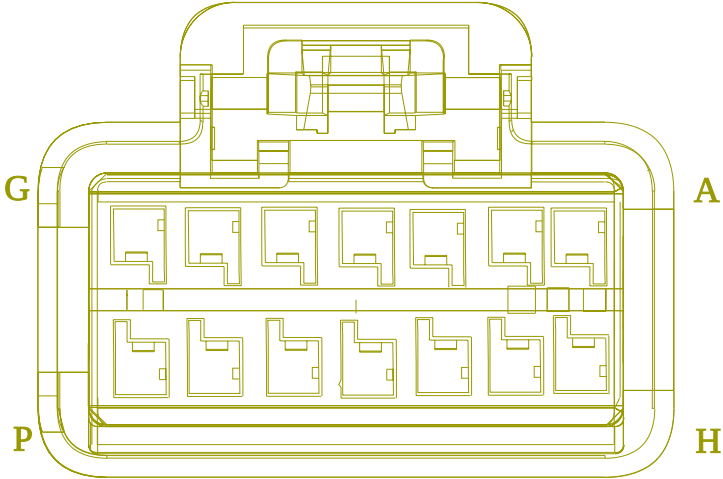
InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC

MatesDEV-HEAT/EVAP-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	TA75AC	2643695 R1	3.01	12.0	Std. Wall XLPE Primary Cable	RED	3415.0	-	-	-
B	-	-	AD75-G	3510362 R1	3.01	12.0	Thin Wall XLPE Primary Cable	WHITE	2170.0	-	X	-

Connector Name 1200E
Part Number 4057658C1
Instances HVAC Actuators:Diagram 1
Mates P41004



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	AA74A1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	13	1200B
B	-	-	AA74A2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	9	1200A
C	-	-	AA74A3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	14	1200B
D	-	-	AA74A4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	15	1200B

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E	-	-	AA74A5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	16	1200B
F	-	-	AA74B1	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	1	1200B
G	-	-	AA74B2	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	10	1200A
H	-	-	AA74B3	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	2	1200B
J	-	-	AA74B4	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	3	1200B
K	-	-	AA74B5	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	12	1200B
L	-	-	SA77D	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2945.0	-	5	A67_1700
M	-	-	AA75-GA	-	0.0	20.0	-	WHITE	0.0	-	7	A67_1700
N	-	-	TA75AB	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2000.0	-	X	-

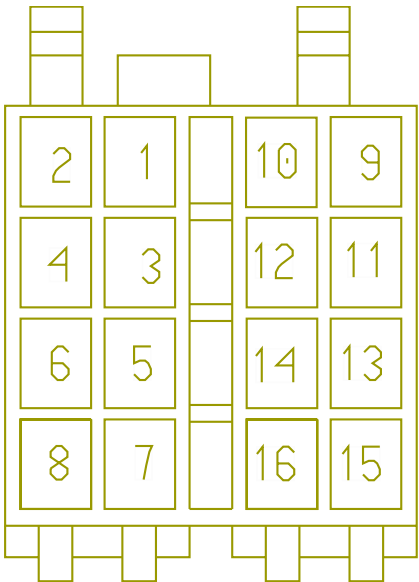
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
P	-	-	AA75B	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3390.0	-	5	1200A

Connector Name1300

Part Number3597143C1

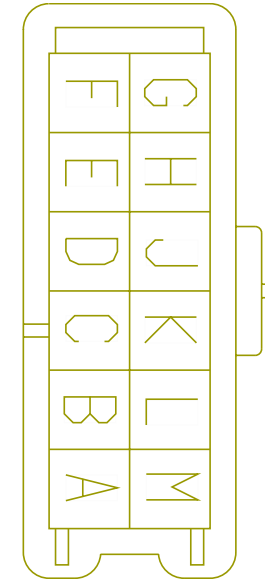
InstancesCab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)

MatesMODU-Radio-2008-04-04A



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	WIRE720 043	-	0.0	-	-	-	0.0	-	PIN1	-
2	-	-	WIRE720 045	-	0.0	-	-	-	0.0	-	PIN1	-

Connector Name 1410
Part Number 3601838C1
Instances ABS CAN Splice Pack - 1410:Diagram1
Mates SP-ABS_SPLICE-B002-00-10-A1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	XL94SAA	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1395.0	-	-	-
B	-	-	XL94SAB	-	0.0	18.0	-	GREY	0.0	-	-	-
C	-	-	XL94SA	-	0.0	20.0	-	GREY	0.0	-	-	-
C	-	-	XF94SA	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	870.0	-	-	-
D	-	-	XL94SCA	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1395.0	-	-	-
E	-	-	XL94SCB	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
F	-	-	XF94SC	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	870.0	-	-	-
F	-	-	XL94SC	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	-	-
G	-	-	XF94SBA	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1395.0	-	-	-
G	-	-	XL94SBA	-	0.0	18.0	-	GREY	0.0	-	-	-
H	-	-	XF94SBB	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1325.0	-	-	-
H	-	-	XL94SBB	-	0.0	18.0	-	GREY	0.0	-	-	-
J	-	-	XF94SB	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	870.0	-	-	-
J	-	-	XL94SB	-	0.0	20.0	-	GREY	0.0	-	-	-
K	-	-	XF94SDA	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1395.0	-	-	-
K	-	-	XL94SDA	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1395.0	-	-	-
L	-	-	XF94SDB	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1325.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
L	-	-	XL94SDB	-	0.0	18.0	-	GREY	0.0	-	-	-
M	-	-	XL94SD	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	-	-
M	-	-	XF94SD	3510310 R1	0.53	20.0	Thin Wall XLPE Primary Cable	GREY	870.0	-	-	-

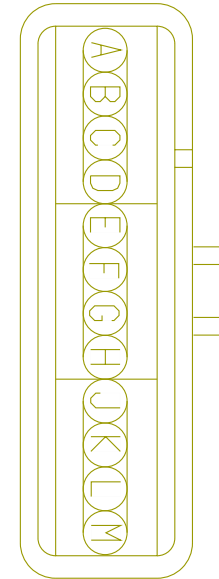
Connector Name 1623
 Part Number 2007315C1
 Instances Park / Turn Lights Splice Packs 1623/1625/400:Diagram1
 Mates SP-MARKER_LT_SPLICE_PACK-B 000-10-A1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	YP54	3510306 R1	1.16	16.0	Thin Wall XLPE Primary Cable	BROWN	0.0	-	-	-
C	-	-	YS54B	3510305 R1	0.79	18.0	Thin Wall XLPE Primary Cable	BROWN	1080.0	-	-	-
D	-	-	YS58T	3510305 R1	0.79	18.0	Thin Wall XLPE Primary Cable	BROWN	1085.0	-	1	2000
F	-	-	YP58T	3510305 R1	0.79	18.0	Thin Wall XLPE Primary Cable	BROWN	0.0	-	1	2000

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
G	-	-	ZQ68	3510306 R1	1.16	16.0	Thin Wall XLPE Primary Cable	BROWN	290.0	-	-	-
G	-	-	ZN68	3510306 R1	1.16	16.0	Thin Wall XLPE Primary Cable	BROWN	1160.0	-	-	-
G	-	-	ZP68	3510306 R1	1.16	16.0	Thin Wall XLPE Primary Cable	BROWN	320.0	-	-	-
G	-	-	ZN68A	-	0.0	16.0	-	BROWN	0.0	-	-	-

Connector Name 1625
 Part Number 3543733C1
 Instances Park / Turn Lights Splice Packs 1623/1625/400:Diagram1
 Mates SP-REAR_TURN_SIGNAL_SPLICE_PACK-B000-10-A1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	YL57C	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	1180.0	-	-	-
A	-	-	YL57E	-	0.0	16.0	-	ORANGE	0.0	-	-	-
B	-	-	YL57	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	1170.0	-	-	-
B	-	-	YL57AA	-	0.0	16.0	-	ORANGE	0.0	-	-	-
C	-	-	YV57BB	3510330 R1	1.16	16.0	Thin Wall XLPE Primary Cable	TAN	1170.0	-	-	-
C	-	-	YX57BB	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1170.0	-	-	-

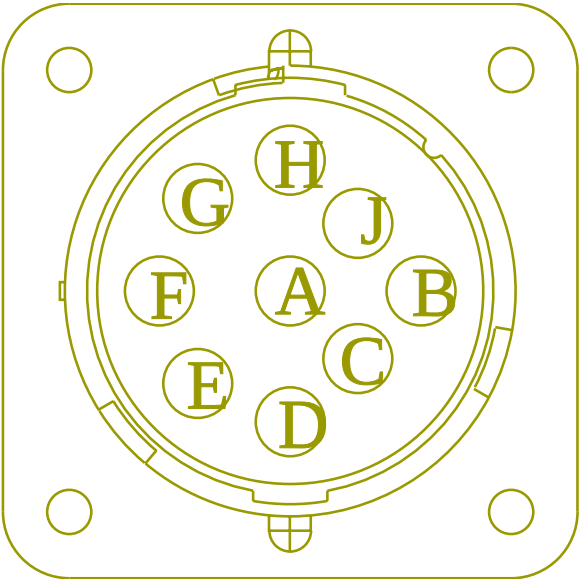
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
D	-	-	YL56CB	-	0.0	16.0	-	ORANGE	0.0	-	-	-
E	-	-	YL56A	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	1180.0	-	-	-
F	-	-	YL56	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	1170.0	-	-	-
F	-	-	YL56CA	-	0.0	16.0	-	ORANGE	0.0	-	-	-
G	-	-	YX56BB	3510336 R1	1.16	16.0	Thin Wall XLPE Primary Cable	YELLOW 2	1170.0	-	-	-

Connector Name1650

Part Number3757649C1

InstancesCab Standard J1939 (250Kbps):Cab Standard J1939 (250Kbps)
Powertrain Standard J1939 (500Kbps):Powertrain Standard J1939 (500Kbps)

MatesDEV-9PinDiag-0008-00-10-01A



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C	-	-	WIRE775545	-	0.0	-	-	-	0.0	-	PIN1	-
D	-	-	WIRE775546	-	0.0	-	-	-	0.0	-	PIN1	-
H	-	-	WIRE720027	-	0.0	-	-	-	0.0	-	PIN1	-
J	-	-	WIRE720029	-	0.0	-	-	-	0.0	-	PIN1	-

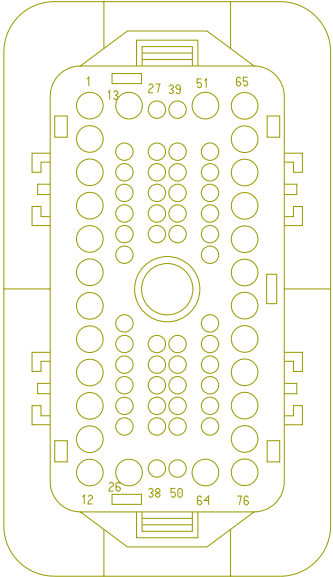
Connector Name1700

Part Number3595624C1

Short DescriptionDASH HARNESS CONNECTOR

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram1 - HVAC

Mates1700



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	77	-	0.0	16.0	-	LIGHT GREEN	0.0	-	A	M01_8900
7	-	-	75-G	-	0.0	16.0	-	WHITE	0.0	-	B	M01_8900

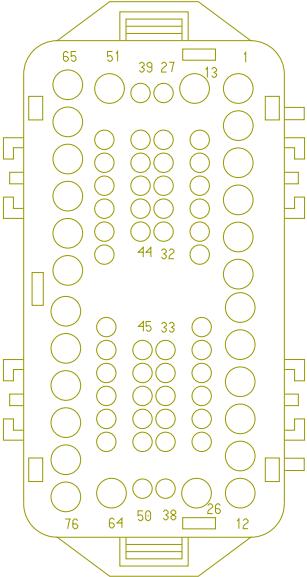
Connector Name1700

Part Number3595625C1

Short DescriptionFORWARD CHASSIS

InstancesHeating Ventilation & Air Conditioning (HVAC) (W/ VCU):Diagram1 - HVAC

Mates1700



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
5	-	-	SA77D	3510298 R1	0.53	20.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	2945.0	-	L	A67_120 0E
7	-	-	AA75-GA	-	0.0	20.0	-	WHITE	0.0	-	M	A67_120 0E

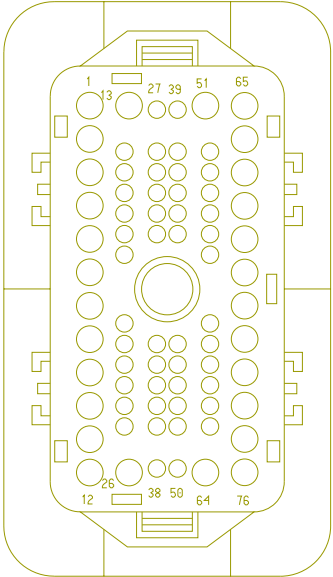
Connector Name1701F

Part Number3595622C1

Short DescriptionCONNECTOR TO DASH HARNESS

InstancesTraction Control (Bendix, VCU):Diagram1

Mates1701



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
14	-	-	94BE	-	0.0	16.0	-	GREY	0.0	-	2	9800
15	-	-	94BD	-	0.0	16.0	-	BROWN	0.0	-	-	-

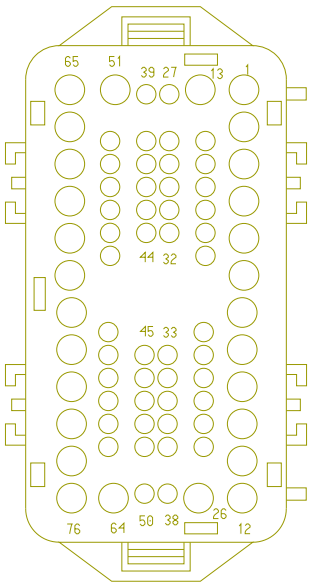
Connector Name1701

Part Number3595623C1

Short DescriptionCENTER CHASSIS

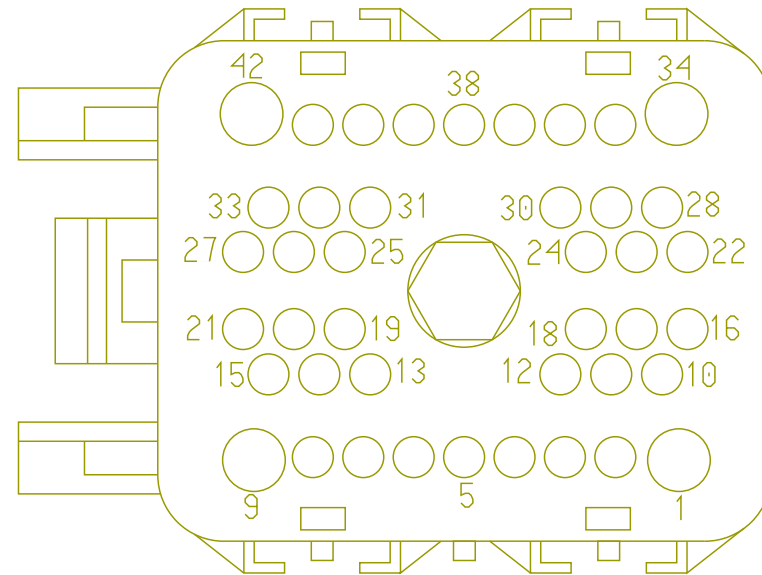
InstancesTraction Control (Bendix, VCU):Diagram1

Mates1701F



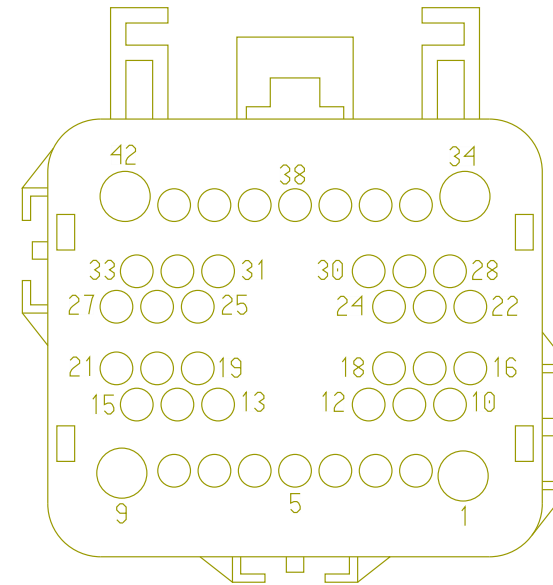
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
14	-	-	XB94BM	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	2550.0	-	5	A67_1400
15	-	-	XB94BN	3510312 R1	1.16	16.0	Thin Wall XLPE Primary Cable	GREY	2550.0	-	4	A67_1400

Connector Name 1702
Part Number 3595620C1
Short Description IP/ENGINE
Instances Ambient Temperature (No Display, Mirror Sensor, VCU):Diagram1
Drive Mode Selector I/O (W/VCU):Diagram1
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram1 - HVAC
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram3 - EV Components
Vehicle Acceleration (Wired to VCU):Diagram1
Mates 1702



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K6B	-	0.0	18.0	-	GREY	0.0	-	PIN1	-
1	-	-	K23M	-	0.0	14.0	-	RED	0.0	-	2	K03_7005
2	-	-	K41AA	-	0.0	18.0	-	TAN	0.0	-	PIN1	-
9	-	-	K10V	-	0.0	18.0	-	RED	0.0	-	1	K03_7001
16	-	-	K97CC	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
17	-	-	K97BB	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
18	-	-	K99AA	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
20	-	-	K92AA	-	0.0	18.0	-	TAN	0.0	-	PIN1	-
24	-	-	K97EE	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
26	-	-	K97DD	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
27	-	-	K99BB	-	0.0	18.0	-	VIOLET	0.0	-	PIN1	-
38	-	-	K13Y	-	0.0	16.0	-	PINK	0.0	-	PIN1	-

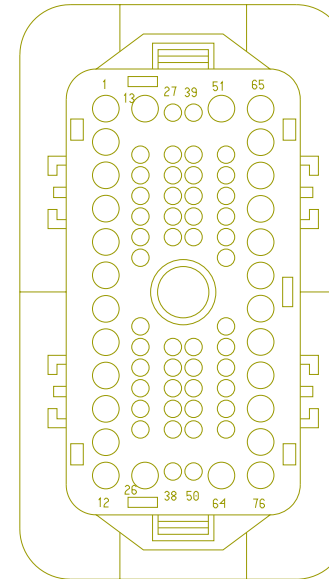
Connector Name 1702
Part Number 3595621C1
Short Description IP / ENGINE INTERCONNECT
Instances Ambient Temperature (No Display, Mirror Sensor, VCU):Diagram1
Drive Mode Selector I/O (W/VCU):Diagram1
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram1 - HVAC
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram3 - EV Components
Vehicle Acceleration (Wired to VCU):Diagram1
Mates 1702



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	MB41D	-	0.0	18.0	-	TAN	0.0	-	29	1703F
1	-	-	UL23MA	-	0.0	12.0	-	RED	0.0	-	1	1703F
2	-	-	MB41E	-	0.0	18.0	-	TAN	0.0	-	30	1703F
9	-	-	AA10V	-	0.0	18.0	-	RED	0.0	-	9	1703F
16	-	-	BE97BJ	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	1960.0	-	16	1703F
17	-	-	BE97CJ	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	1960.0	-	17	1703F
18	-	-	BE99BJ	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	1960.0	-	18	1703F
20	-	-	UL92AA	-	0.0	18.0	-	TAN	0.0	-	20	1703F

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
24	-	-	BE97NJ	-	0.0	18.0	-	VIOLET	0.0	-	24	1703F
26	-	-	BE97MJ	-	0.0	18.0	-	VIOLET	0.0	-	26	1703F
27	-	-	BE99DJ	-	0.0	18.0	-	VIOLET	0.0	-	27	1703F
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	1703F

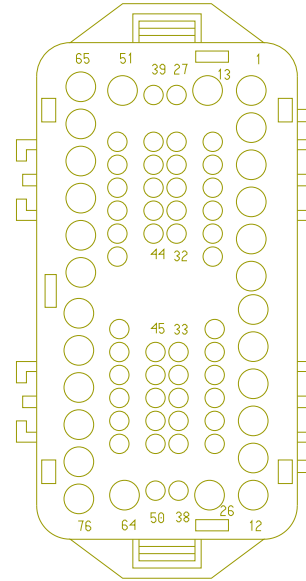
Connector Name 1703F
Part Number 3595624C1
Short Description ENGINE/IP
Instances Ambient Temperature (No Display, Mirror Sensor, VCU):Diagram1
Drive Mode Selector I/O (W/VCU):Diagram1
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram1 - HVAC
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram3 - EV Components
Vehicle Acceleration (Wired to VCU):Diagram1
Mates 1703M



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	UL23MA	-	0.0	12.0	-	RED	0.0	-	1	1702
9	-	-	AA10V	-	0.0	18.0	-	RED	0.0	-	9	1702
16	-	-	BE97BJ	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	1960.0	-	16	1702
17	-	-	BE97CJ	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	1960.0	-	17	1702
18	-	-	BE99BJ	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	1960.0	-	18	1702
20	-	-	UL92AA	-	0.0	18.0	-	TAN	0.0	-	20	1702
24	-	-	BE97NJ	-	0.0	18.0	-	VIOLET	0.0	-	24	1702
26	-	-	BE97MJ	-	0.0	18.0	-	VIOLET	0.0	-	26	1702

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
27	-	-	BE99DJ	-	0.0	18.0	-	VIOLET	0.0	-	27	1702
29	-	-	MB41D	-	0.0	18.0	-	TAN	0.0	-	1	1702
30	-	-	MB41E	-	0.0	18.0	-	TAN	0.0	-	2	1702
38	-	-	AA13Y	-	0.0	16.0	-	PINK	0.0	-	38	1702
47	-	-	TB74J	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	1675.0	-	B	A67_6202
48	-	-	TC9AE	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1350.0	-	A	A67_6202

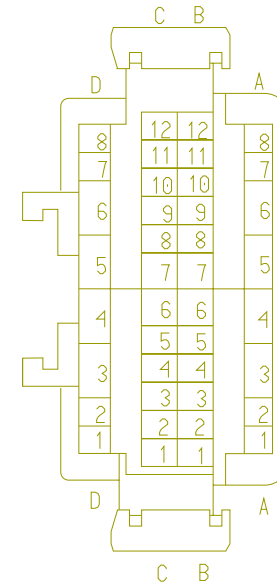
Connector Name 1703M
Part Number 3595625C1
Short Description IP/ENGINE
Instances Ambient Temperature (No Display, Mirror Sensor, VCU):Diagram1
Drive Mode Selector I/O (W/VCU):Diagram1
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram1 - HVAC
Heating Ventilation & Air Conditioning (HVAC) (W/VCU):Diagram3 - EV Components
Vehicle Acceleration (Wired to VCU):Diagram1
Mates 1703F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	AA23M	-	0.0	12.0	-	RED	0.0	-	-	-
9	-	-	AA10VA	-	0.0	18.0	-	RED	0.0	-	-	-
16	-	-	BE97B	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	2270.0	-	B4	1800
17	-	-	BE97C	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	2270.0	-	C5	1800
18	-	-	BE99B	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	2270.0	-	C4	1800
20	-	-	UL92AB	-	0.0	18.0	-	TAN	0.0	-	4	A67_1852
24	-	-	BE97NA	-	0.0	18.0	-	VIOLET	0.0	-	B6	1800

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
26	-	-	BE97MA	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	2270.0	-	B5	1800
27	-	-	BE99DA	-	0.0	18.0	-	VIOLET	0.0	-	C6	1800
29	-	-	MB41DJ	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	2785.0	-	E	3200M
30	-	-	MB41EJ	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	2785.0	-	F	3200M
38	-	-	AA13YJ	-	0.0	16.0	-	PINK	0.0	-	87	A67_1103
47	-	-	TB74	3510299 R1	0.79	18.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	3205.0	-	B5	J3-1600
48	-	-	KA9AA	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	1915.0	-	X	-

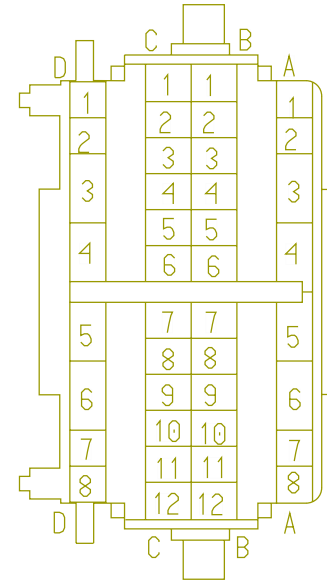
Connector Name 1800F
Part Number 3612512C1
Short Description CAB HARNESS CONNECTOR
Instances Compressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1
Park Brake Controls (W/VCU):Diagram1
Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1
Vehicle Acceleration (Wired to VCU):Diagram1
Mates 1800



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A4	-	-	AC9V	-	0.0	18.0	-	GREY	0.0	-	X	-
A6	-	-	AB70A	-	0.0	18.0	-	ORANGE	0.0	-	C	B03_1823
B2	-	-	AB40A	-	0.0	18.0	-	GREY	0.0	-	1	B03_1812
B3	-	-	AM44BB	-	0.0	18.0	-	GREY	0.0	-	C	B03_1813
B3	-	-	AB6H	-	0.0	18.0	-	GREY	0.0	-	X	-
B4	-	-	AA99Y	-	0.0	18.0	-	VIOLET	0.0	-	B	B03_1801
B5	-	-	AA99U	-	0.0	18.0	-	VIOLET/ WHITE	0.0	-	D	B03_1801
B6	-	-	AA99W	-	0.0	18.0	-	VIOLET	0.0	-	E	B03_1801
B9	-	-	AB70	-	0.0	18.0	-	ORANGE	0.0	-	C	B03_1824
C4	-	-	AA99V	-	0.0	18.0	-	VIOLET/ WHITE	0.0	-	A	B03_1801
C5	-	-	AA99P	-	0.0	18.0	-	VIOLET/ BLACK	0.0	-	C	B03_1801
C6	-	-	AA99E	-	0.0	18.0	-	VIOLET/ BLACK	0.0	-	F	B03_1801

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
C12	-	-	AM40	-	0.0	18.0	-	GREY	0.0	-	1	B03_1811
D1	-	-	AK70BB	-	0.0	18.0	-	GREY	0.0	-	C	B03_1829
D2	-	-	AK70AC	-	0.0	18.0	-	GREY	0.0	-	X	-
D4	-	-	AK70A	-	0.0	18.0	-	GREY	0.0	-	C	B03_1831

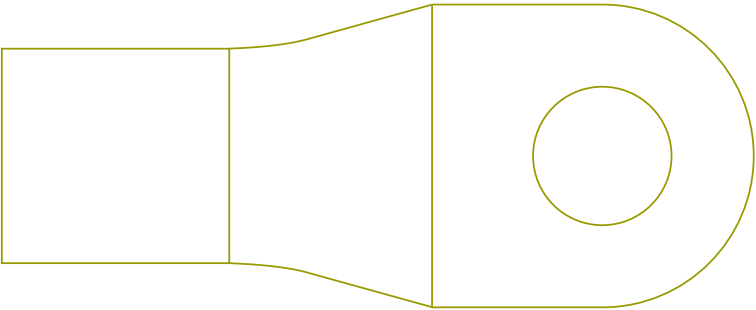
Connector Name 1800
Part Number 3553649C1
Short Description DCM CONNECTOR
Instances Compressed Air Supply (Primary & Secondary Gauge)(W/2 in 1 Inverter):Diagram1
Park Brake Controls (W/VCU):Diagram1
Service Brake Switch (2 SLS/ 1 Transducer/ 2 RDS to VCU):Diagram1
Vehicle Acceleration (Wired to VCU):Diagram1
Mates 1800F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A4	-	-	KA9C	3510311 R1	0.79	18.0	Thin Wall XLPE Primary Cable	GREY	0.0	-	X	-
A6	-	-	WB70A	3510364 R1	0.53	20.0	Thin Wall XLPE Primary Cable	RED	1385.0	-	E15	J5-1602
B2	-	-	NK40A	2643673 R1	0.79	18.0	Std. Wall XLPE Primary Cable	GREY	1365.0	-	B3	J3-1600
B3	-	-	NK6	2643673 R1	0.79	18.0	Std. Wall XLPE Primary Cable	GREY	1385.0	-	E4	J5-1602

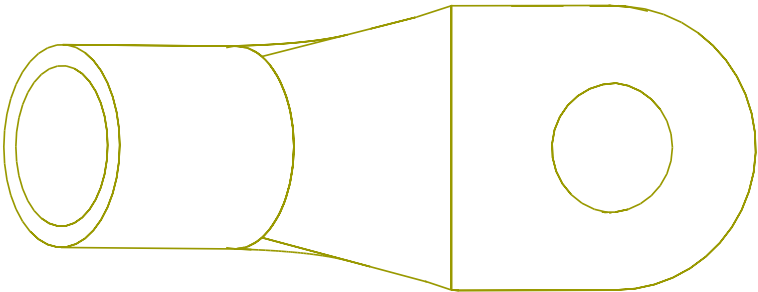
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
B4	-	-	BE97B	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	2270.0	-	16	1703M
B5	-	-	BE97MA	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	2270.0	-	26	1703M
B6	-	-	BE97NA	-	0.0	18.0	-	VIOLET	0.0	-	24	1703M
B9	-	-	WB70	3510364 R1	0.53	20.0	Thin Wall XLPE Primary Cable	RED	1385.0	-	E14	J5-1602
C4	-	-	BE99B	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	2270.0	-	18	1703M
C5	-	-	BE97C	3510347 R1	0.79	18.0	Thin Wall XLPE Primary Cable	VIOLET	2270.0	-	17	1703M
C6	-	-	BE99DA	-	0.0	18.0	-	VIOLET	0.0	-	27	1703M
C12	-	-	NK40	2643673 R1	0.79	18.0	Std. Wall XLPE Primary Cable	GREY	1365.0	-	B2	J3-1600
D1	-	-	AA101BJ	-	0.0	18.0	-	TAN	0.0	-	4	A67_170 3M
D2	-	-	AA10EJ	-	0.0	18.0	-	WHITE	0.0	-	23	A67_170 3M
D4	-	-	WA101BA	-	0.0	18.0	-	WHITE	0.0	-	28	A67_170 3M

Connector Name 1
Part Number 2241346C1
Instances Power Lift Gate:Diagram1



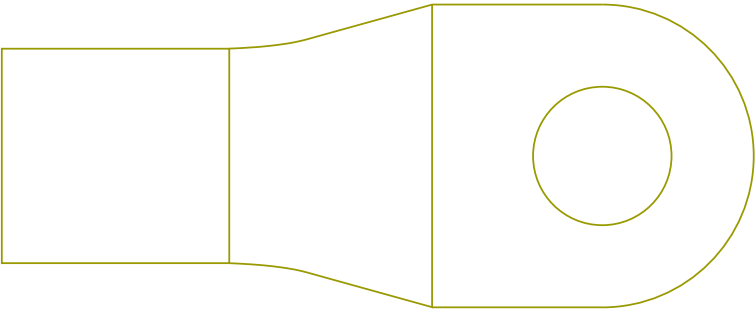
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	Smart Part	-	0.0	0.0	-	RED	0.0	-	A	2

Connector Name 1
Part Number 2241397C1
Instances Power Lift Gate:Diagram1
Mates RLY-Power_Lift_Gate_Relay- 2038-02-01B



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	Smart Part 2	-	0.0	0.0	-	RED	0.0	-	A	2

Connector Name 2G
Part Number 2241342C1
Short Description Ground Stud
Instances Battery Management System (Post 05-2022) Option 2:Diagram1
Battery Management System (Post 05-2022) Option 2:Diagram2
Battery Management System (Pre 05-2022):Diagram1
Battery Management System (Pre 05-2022):Diagram2
Charging System (W/VCU) Dual DC/DC Converter W/ Power
Solutions 0008WUC:Diagram1
eVehicle Charging (W/VCU) Onboard Charging
Modules:Diagram1
Heating Ventilation & Air Conditioning (HVAC) (W/
VCU):Diagram3 - EV Components
Hybrid Auxiliary Power Generator for HEV (DC/AC
Inverter):Diagram1
Powertrain Ground Distribution:Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K11	-	0.0	2.0	-	WHITE	0.0	-	PIN1	-

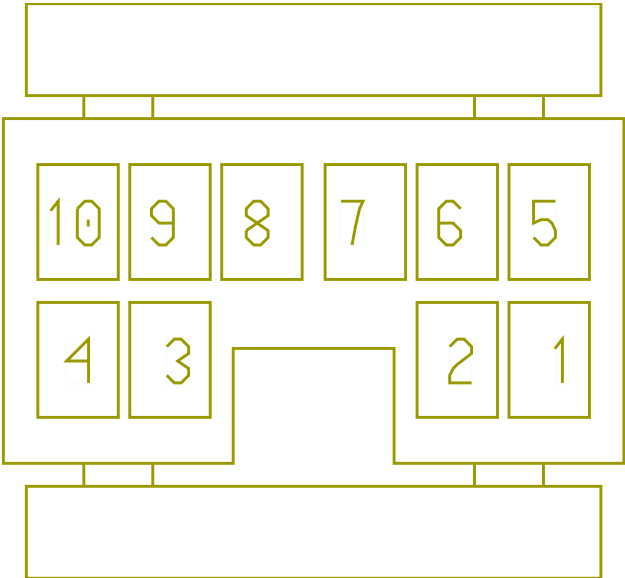
Connector Name2000F

Part Number3544687C1

Short DescriptionROOF/IP CONNECTION

InstancesPark / Turn Lights Splice Packs 1623/1625/400:Diagram1

Mates2000



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	D58T	2643672 R1	0.79	18.0	Std. Wall XLPE Primary Cable	BROWN	2000.0	-	-	-

Connector Name

2000

Part Number

3544688C1

Short Description

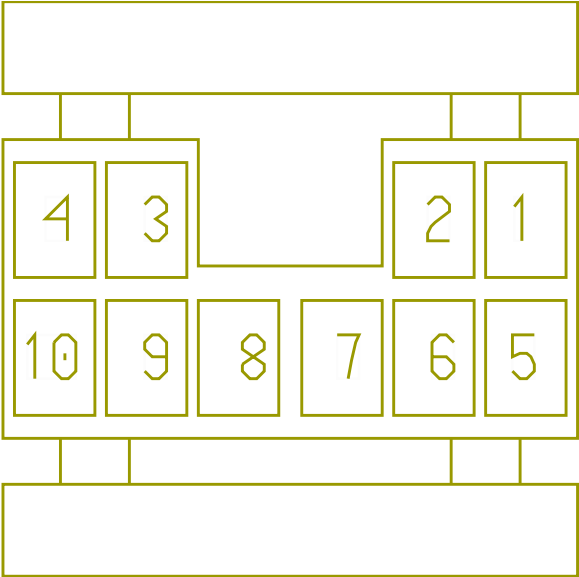
IP/ROOF CONNECTION

Instances

Park / Turn Lights Splice Packs 1623/1625/400:Diagram1

Mates

2000F



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	YP58T	3510305 R1	0.79	18.0	Thin Wall XLPE Primary Cable	BROWN	0.0	-	F	1623
1	-	-	YS58T	3510305 R1	0.79	18.0	Thin Wall XLPE Primary Cable	BROWN	1085.0	-	D	1623

Connector Name 2
Part Number BLUNT_SL_VC
Instances Power Lift Gate:Diagram1
Mates BLNT-Lift_Gate_PWR-2038-02 -01B

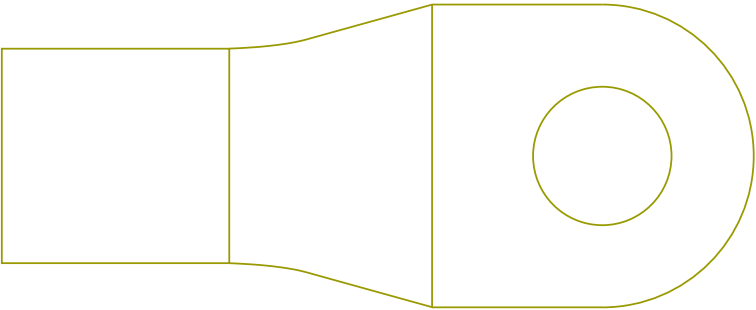
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	Smart Part 2	-	0.0	0.0	-	RED	0.0	-	A	1

Connector Name2

Part Number2241345C1

InstancesPower Lift Gate:Diagram1

MatesRLY-Power_Lift_Gate_Relay- 2038-02-01B

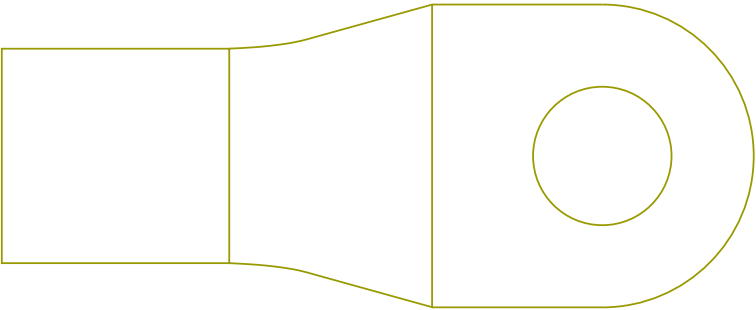


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	Smart Part	-	0.0	0.0	-	RED	0.0	-	A	1

Connector Name3G

Part Number2241337C1

InstancesBattery Thermal Management (W/VCU) BTMS:Diagram1
Powertrain Ground Distribution:Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K11A	-	0.0	4.0	-	WHITE	0.0	-	-	-
A	-	-	K11A	-	0.0	4.0	-	WHITE	0.0	-	A	K03_605 9B

Connector Name

3200F

Part Number

1661201C1

Short Description

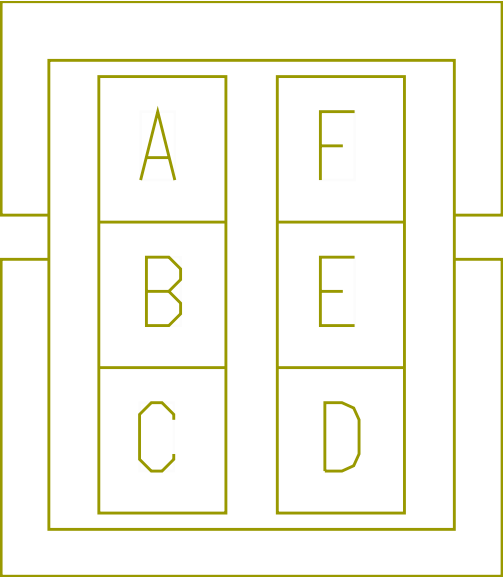
DOOR/IP INTERCONNECT

Instances

Ambient Temperature (No Display, Mirror Sensor, VCU):Diagram1

Mates

3200M



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E	-	-	ET41D	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	1025.0	-	C	E01_3000
F	-	-	ET41E	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	1025.0	-	D	E01_3000

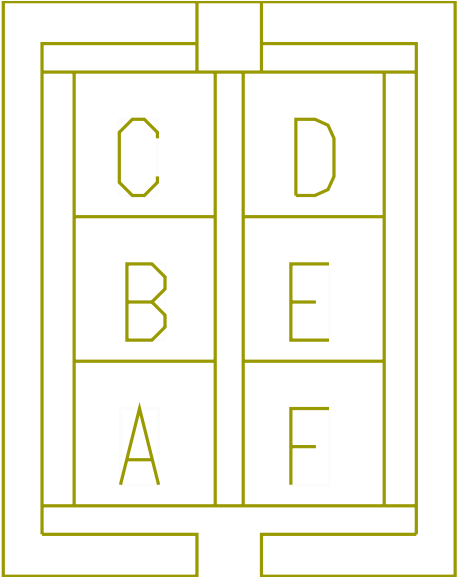
Connector Name3200M

Part Number1661200C1

Short DescriptionIP/DOOR INTERCONNECT 2

InstancesAmbient Temperature (No Display, Mirror Sensor, VCU):Diagram1

Mates3200F



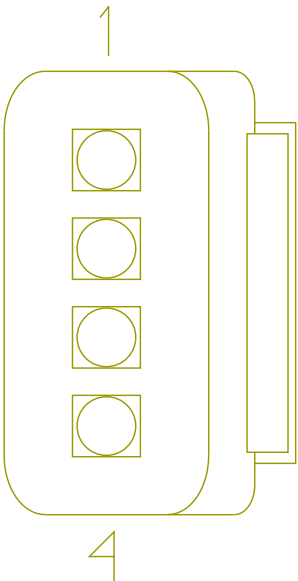
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
E	-	-	MB41DJ	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	2785.0	-	29	1703M
F	-	-	MB41EJ	3510329 R1	0.79	18.0	Thin Wall XLPE Primary Cable	TAN	2785.0	-	30	1703M

Connector Name3202M

Part Number3820176C1

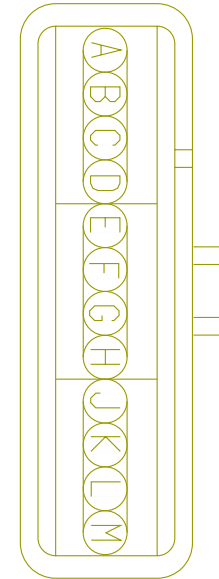
InstancesLow Speed J1939 (125Kbps):Low Speed J1939 (125Kbps)
Power Door Locks (2-Door):Diagram1
Remote Keyless Access:Diagram1

MatesDEV-FRONT_PS_DOOR_POD-01



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
2	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	WIRE196494	-	0.0	-	-	-	0.0	-	B	E01_3200F
3	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	WIRE196495	-	0.0	-	-	-	0.0	-	A	E01_3200F

Connector Name 400
Part Number 3543733C1
Instances Park / Turn Lights Splice Packs 1623/1625/400:Diagram1
Mates SP-TURN_SIGNAL_SPLICE_PACK -B000-10-A1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	YU57A	-	0.0	16.0	-	ORANGE	0.0	-	-	-
B	-	-	AAP57T	-	0.0	16.0	-	ORANGE	0.0	-	-	-
C	-	-	YX57BC	3510300 R1	1.16	16.0	Thin Wall XLPE Primary Cable	LIGHT GREEN	805.0	-	-	-
E	-	-	AAD56AA	-	0.0	16.0	-	ORANGE	0.0	-	-	-
F	-	-	AAP56T	-	0.0	16.0	-	ORANGE	0.0	-	-	-
H	-	-	YX56BC	3510336 R1	1.16	16.0	Thin Wall XLPE Primary Cable	YELLOW 2	805.0	-	-	-
J	-	-	ZC71BA	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	0.0	-	-	-

Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
J	-	-	ZJ71AB	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	1805.0	-	-	-
J	-	-	ZL71AC	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	1805.0	-	-	-
J	-	-	ZH71AC	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	2250.0	-	-	-
J	-	-	ZA71BK	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	2855.0	-	-	-
K	-	-	ZG71BC	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	175.0	-	-	-
K	-	-	ZK71CB	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	175.0	-	-	-
K	-	-	ZA71A	-	0.0	16.0	-	ORANGE	0.0	-	-	-
K	-	-	ZC71BK	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	0.0	-	-	-
K	-	-	ZE71AD	3510318 R1	1.16	16.0	Thin Wall XLPE Primary Cable	ORANGE	805.0	-	-	-

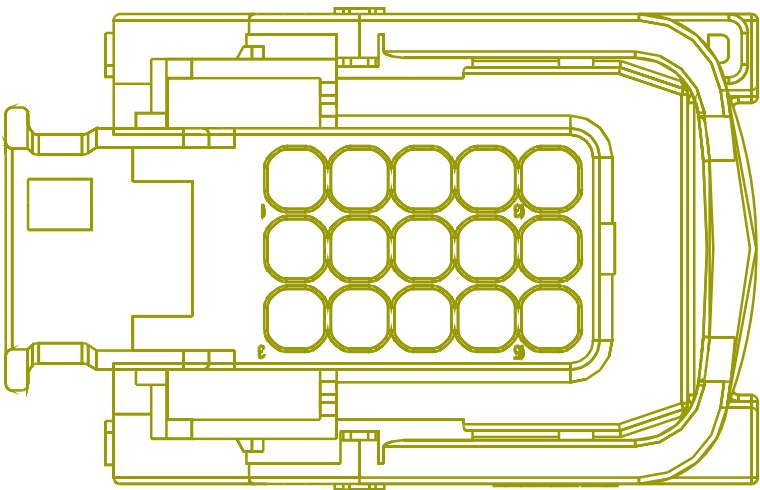
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
M	-	-	ZU71D	3510317 R1	0.79	18.0	Thin Wall XLPE Primary Cable	ORANGE	1175.0	-	-	-

Connector Name6081

Part Number6113341C1

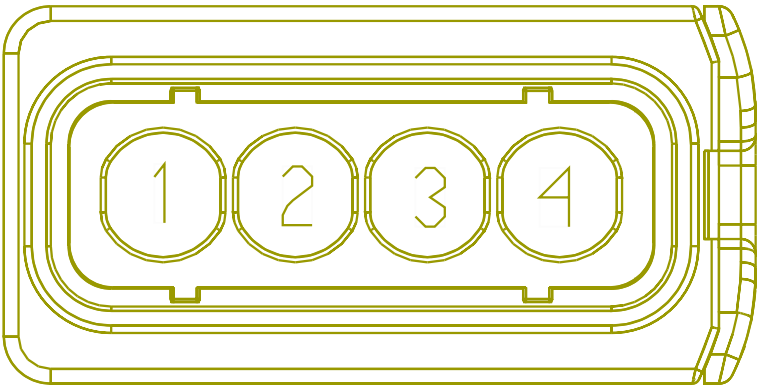
Instances(PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU Mounted PDM (PDM 1) and Underhood PDM (PDM 2)

MatesCP-B1-K03-3D



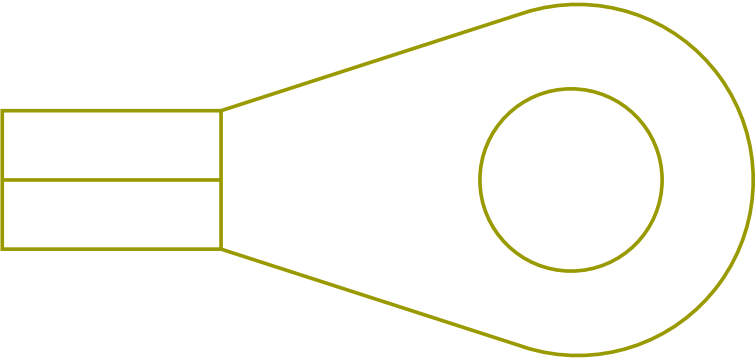
Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K23T	-	0.0	14.0	-	ORANGE	0.0	-	PIN1	-
4	-	-	K14W	-	0.0	16.0	-	RED	0.0	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-

Connector Name 6082
Part Number 6113338C1
Instances (PDM 1) VCU PDM and (PDM 2) Underhood PDM (Rev 2):VCU
Mounted PDM (PDM 1) and Underhood PDM (PDM 2)
Mates CP-B1-K03-2E



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	K74B	-	0.0	12.0	-	RED	0.0	-	-	-

Connector Name 9300A
Part Number 3762701C1
Short Description Ground Stud
Instances Battery Management System (Post 05-2022) Option 2:Diagram1
Battery Management System (Pre 05-2022):Diagram1
Powertrain Ground Distribution:Diagram1

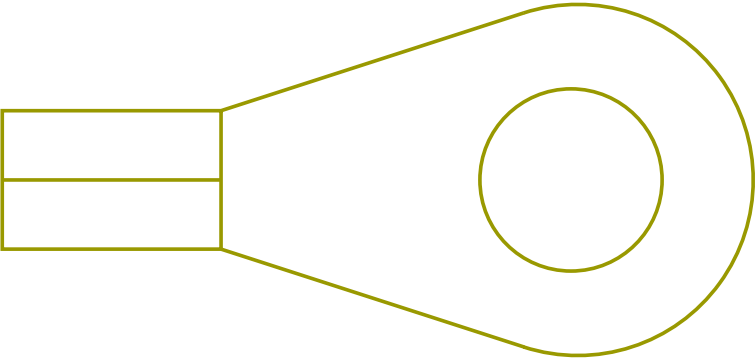


Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K10C	-	0.0	10.0	-	WHITE	0.0	-	PIN1	-

Connector Name9300B

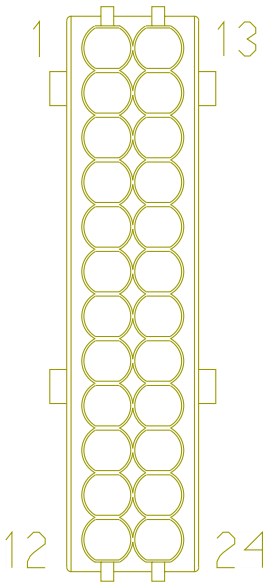
Part Number3762701C1

InstancesPowertrain Ground Distribution:Diagram1



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material descrip tion	Wire Color Descrip tion	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
A	-	-	K10D	-	0.0	10.0	-	WHITE	0.0	-	PIN1	-

Connector Name 9800
Part Number 3558022C1
Short Description CONNECTION TO CENTER HARNESS
Instances Traction Control (Bendix, VCU):Diagram1
Mates 9800



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	94BD	-	0.0	16.0	-	BROWN	0.0	-	1	R01_4950
2	-	-	94BE	-	0.0	16.0	-	GREY	0.0	-	-	-

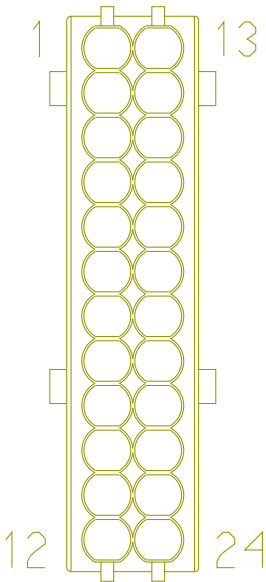
Connector Name9800

Part Number3558022C1

Short DescriptionCONNECTION TO CENTER HARNESS

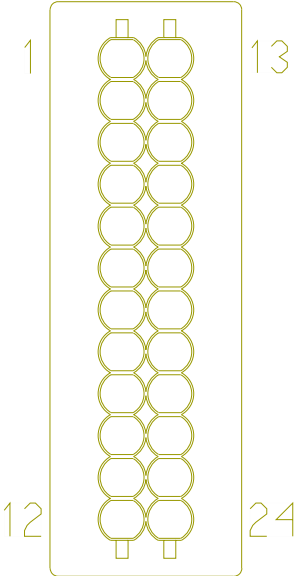
InstancesEnd of Frame Aux Work Light (One Light N/Relay):Diagram1

Mates9800



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
7	-	-	65	-	0.0	16.0	-	ORANGE	0.0	-	-	-
8	-	-	65-G	-	0.0	16.0	-	WHITE	0.0	-	B	R01_9767

Connector Name 9800
Part Number 3558026C1
Short Description CONNECTION TO REAR CHASSIS HARNESS
Instances Traction Control (Bendix, VCU):Diagram1
Mates 9800



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
1	-	-	94BD	-	0.0	16.0	-	BROWN	0.0	-	-	-
2	-	-	94BE	-	0.0	16.0	-	GREY	0.0	-	14	1701F

Connector Name

9800

Part Number

3558026C1

Short Description

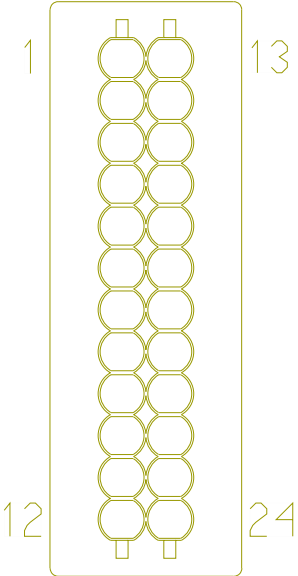
CONNECTION TO REAR CHASSIS HARNESS

Instances

End of Frame Aux Work Light (One Light N/Relay):Diagram1

Mates

9800



Name	Terminal Part Number	V-Min	Name	Wire Part Number	Wire CSA	Wire Spec	Wire Material description	Wire Color Description	Wire Length	End2 Terminal Part Number	End2 Pin Name	End2 Connect or
7	-	-	65	-	0.0	16.0	-	ORANGE	0.0	-	68	N03_170 1F
8	-	-	65-G	-	0.0	16.0	-	WHITE	0.0	-	-	-

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