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5	Antenna connections
6	Infotainment non-Antenna connections
7	MCU/Infotainment vehicle interfaces
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9	Chassis - Stability and ABS, park brake
10	Chassis - Power Steering and Steering wheel controls
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17	Body - Exterior Lights, Front
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43	Layout and Function of Fuse/Relay Boxes

Table 1: Abbreviations

LF	Left Front	RR	Right Rear
RF	Right Front	MF	Middle Front
LR	Left Rear	-	-

Table 2: Multi-way Connector Designators

LFDHC	LF Door Harness Connector	CCHC	Center Console Harness Connector
LRDHC	LR Door Harness Connector	IPHC(L/R)	Instrument Panel Harness Connector (Left/Right)
RFDHC	RF Door Harness Connector	RSFHC	Rear Subframe harness connector
RRDHC	RR Door Harness Connector	WW%#	WW=wire-to-wire %#=from-to designator
TGHC	TailGate Harness Connector	-	-

Table 3: Harness Designators

A	Body Harness, Left Floor	N	Front Harness, Right Side
B	Body Harness, Right Floor	P	Front Passenger (RF) Door Harness
C	Center Console	Q	Front Harness, Left side
D	Driver (LF) Door Harness	R	LR Door Harness
E	Sunroof Subsystem Harness	S	RR Door Harness
F	Front Bumper Harness	T	Tailgate Harness - Right
G	Rear Bumper Harness	U	Tailgate Harness - Left
H	High Voltage Wiring (for reference only)	V	HVAC Unit Subharness (part of assembly)
J	Instrument Panel (Dashpad) Harness	W	Steering Wheel Harness (from Clockspring out)
K	Headliner	X	Rear subframe subharness
L	Front End Module	Y	tbd
M	Main Harness, Lower IP and Front Trunk area	Z	Single Cables - Each circuit is a separate assembly

Table 4: Wire Color Designators

BK	Black	LB	Light Blue	RD	Red	NA	coax-center
BR	Brown	LG	Light Green	TN	Tan	SH	coax-shield
DB	Dark Blue	OR	Orange	WT	White	-	-
DG	Dark Green	PK	Pink	YL	Yellow	-	-
GY	Gray	VT	Violet (Purple)	-	-	-	-

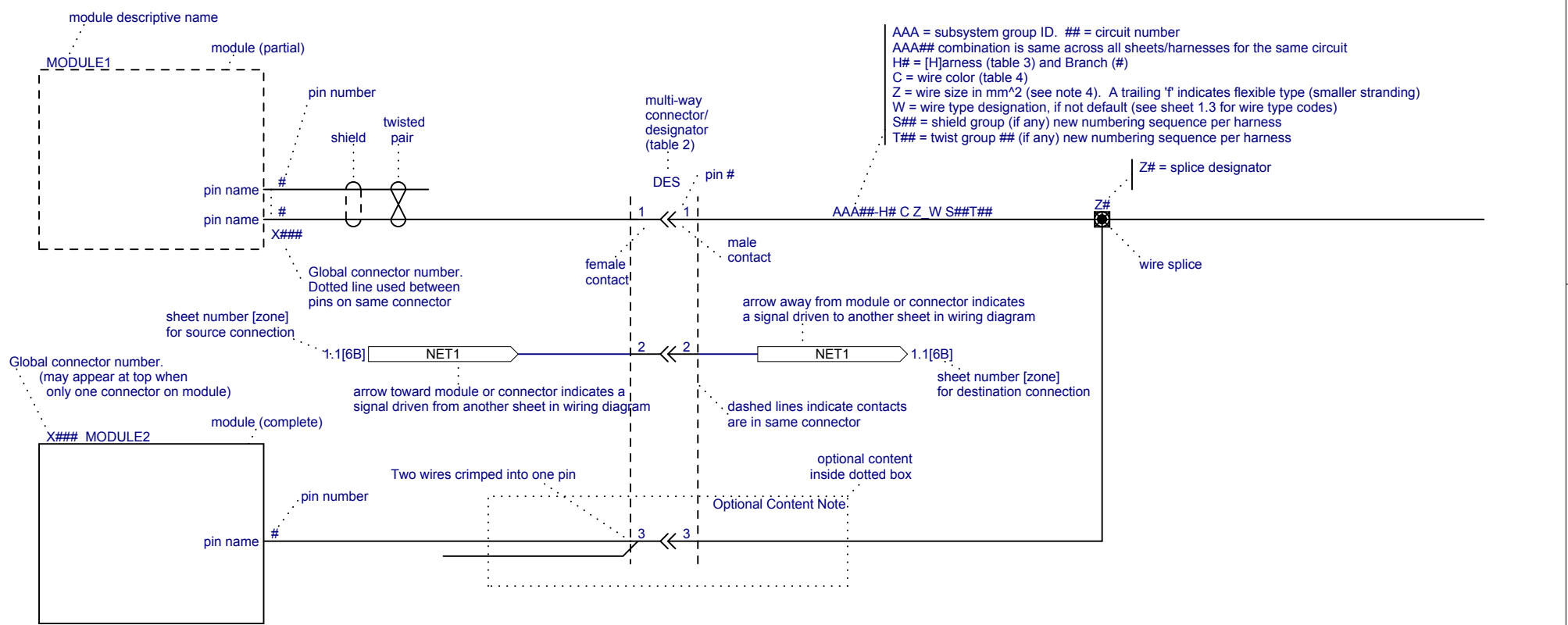
Striped wires are indicated by base-color code "-" then stripe color code.
 "BR-BK" indicates a brown wire with a black stripe.

Table 5: Wire Type Designators


TWP	SAE J1128 TWP : thin-wall 105C rated	TXL	SAE J1128 TXL : thin-wall 125C rated
STX	SAE J1127 STX : thin-wall 125C rated	SGX	SAE J1127 SGX : general purpose 125C rated
-f	flexible type (add to any type) = small strand	RFXFA	SAE J1128 TXL-f: thin-wall high-flex 125C rated
CAVS	JASO D-611 CAVS specification wire, 85C		

- General Notes:**
- 1) Switches [Relays] are shown in their inactive [de-energized] state.
 - 2) Splices may be split across pages for visual clarity with respect to the function displayed on the particular page.
 - 3) Some connectors are split across multiple pages for clarity. There is no overall reference in this document for the signals routed to a specific connector.
 - 4) Wire sizes are specified in mm² cross-sectional area (CSA) per SAE 1127/B

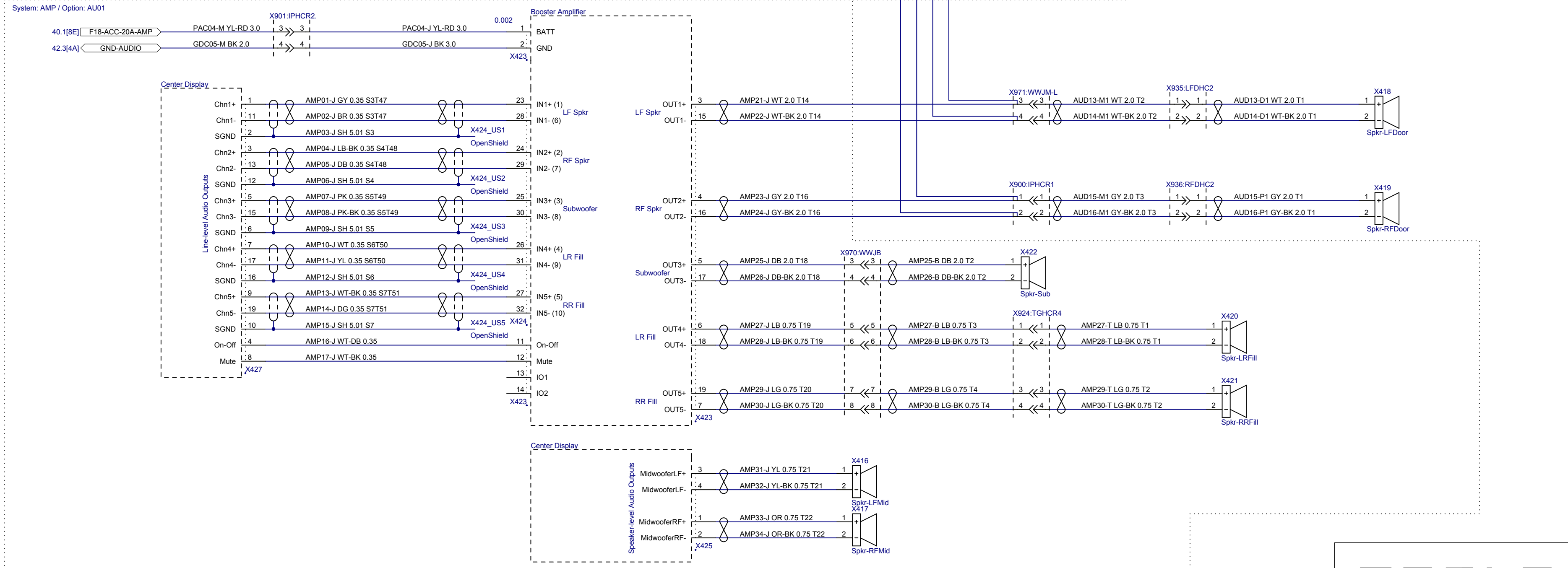
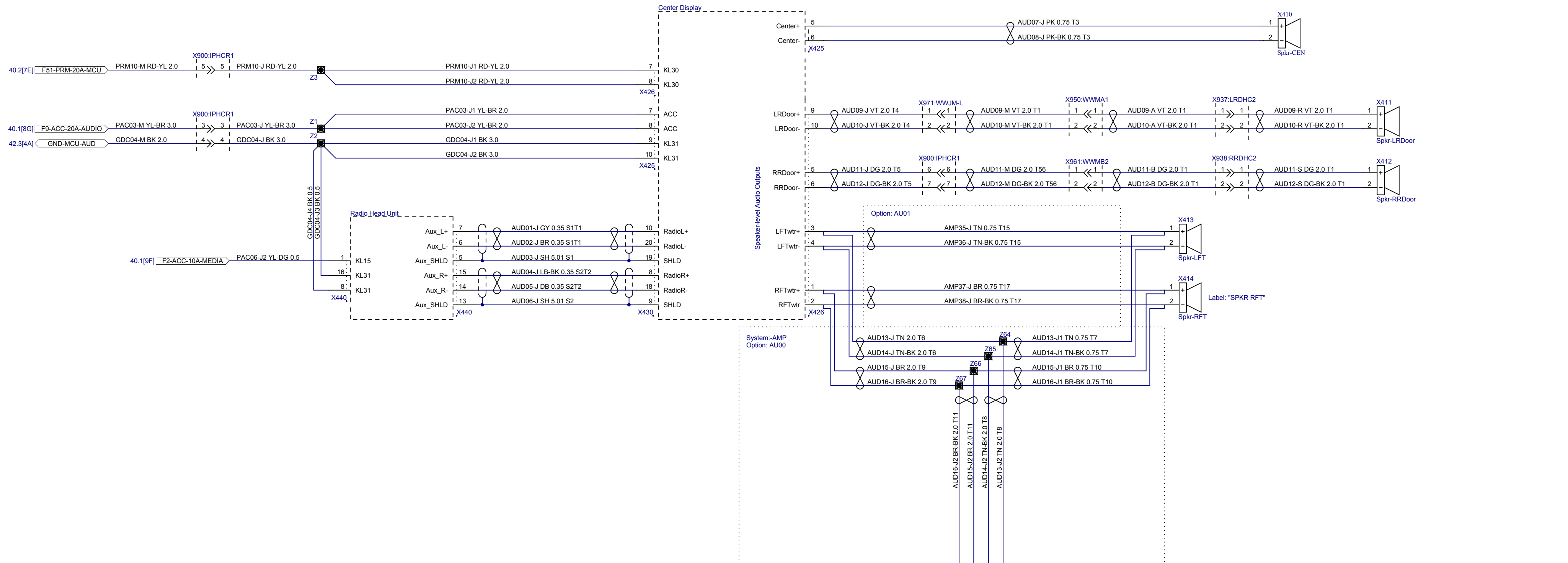
Size Shown	Wire Specification Usage	Size Shown	Wire Specification Usage
0.22	SAE 0.22 / 24AWG	5.0	SAE 5.0 / 10AWG
0.35	SAE 0.35 / 22AWG	8.0	SAE 8.0 / 8AWG
0.5	SAE 0.5 / 20 AWG	13.0	SAE 13.0 / 6AWG
0.75	SAE 0.8 / 18AWG	20.0	SAE 19.0 / 4AWG
1.0	SAE 1.0 / 16AWG	32.0	SAE 32.0 / 2AWG
2.0	SAE 2.0 / 14AWG	40.0	SAE 40.0 / 1AWG
3.0	SAE 3.0 / 12AWG	50.0	SAE 50.0 / 1/0AWG
 - 5) Wire specification: 60V, thin-wall PVC (SAE TWP type or equivalent), unless otherwise specified in wire label.
 Default wire type to be rated 60VDC/25VAC and -40C to 105C operating temperature
 See sheet 43 for further details and to correlate specific cabling types to harness application
 Twisted pairs may be manufactured of above wire by harness manufacturer.
 P=30mm +/-5mm for CSA<=1.0
 P=60mm +/-5mm for CSA>1.0
 PRMT | PARAM | WireType | Default | TWP
 - 6) Unless otherwise specified, terminal plating is to be Tin or Pre-Tin
 - 7) For connectors with multiple instances of the same wire color in a similar or the same size, the terminal may not be inserted into the exact cavity specified. This applies only to joint connectors in the G### range or X700-X799 range, where the wires are connected together internally by the joint connector.
 - 8) Inline connector gender specification is based on the terminal type.
 Inline connectors with "M" suffix have male, tab or pin terminals
 Inline connectors with "F" suffix have female, receptacle or socket terminals



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PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5	
SHEET NAME: Table of Contents			
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 8/14/2014	
DO NOT SCALE DRAWING			SHEET 1.1

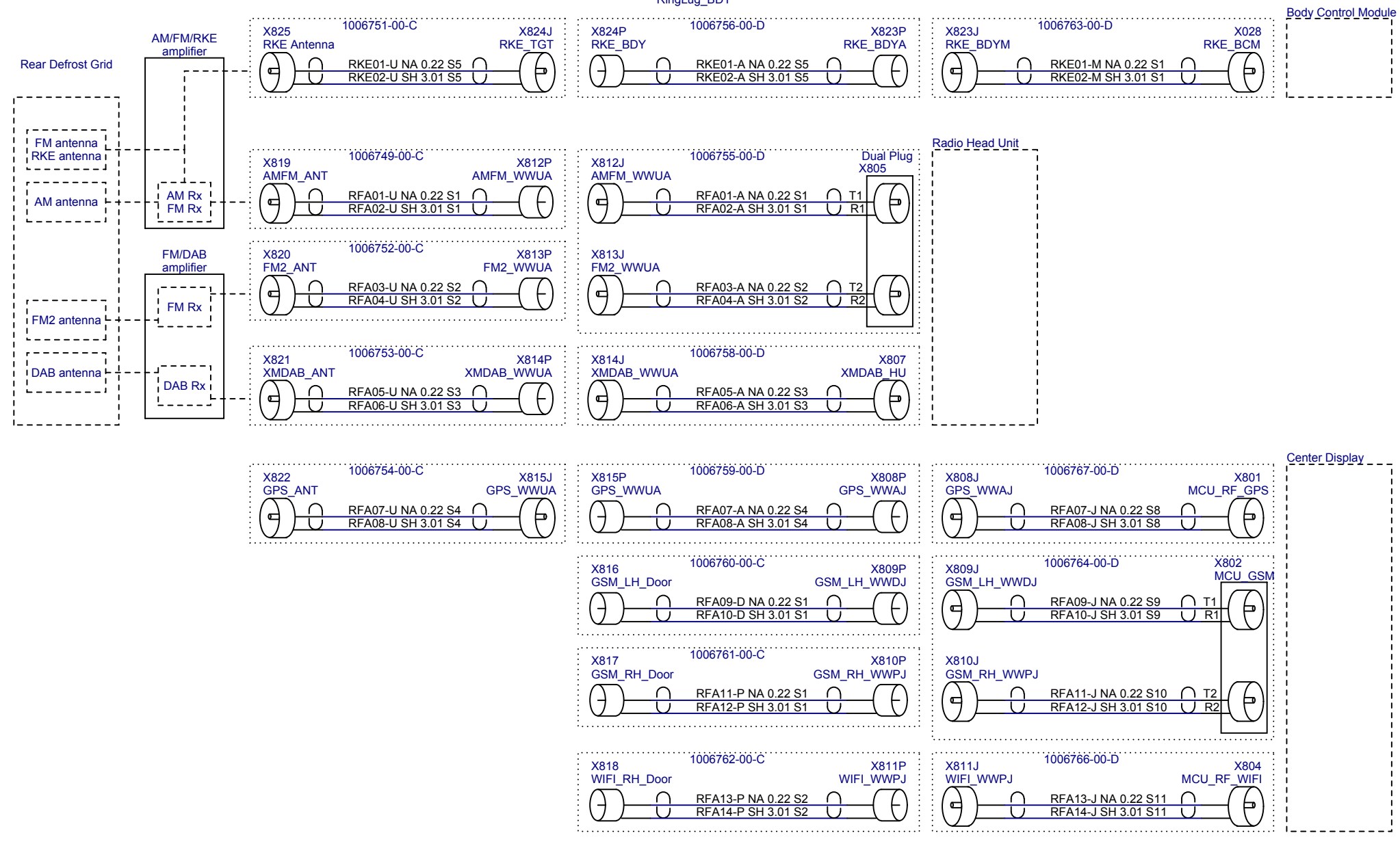


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PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5
 SHEET NAME: Audio Wiring - Premium, Base Level Comp
 ITEM NO. 1004573-00-E REVISION: 13 DATE: 10/3/2016
 DO NOT SCALE DRAWING SHEET 3.1

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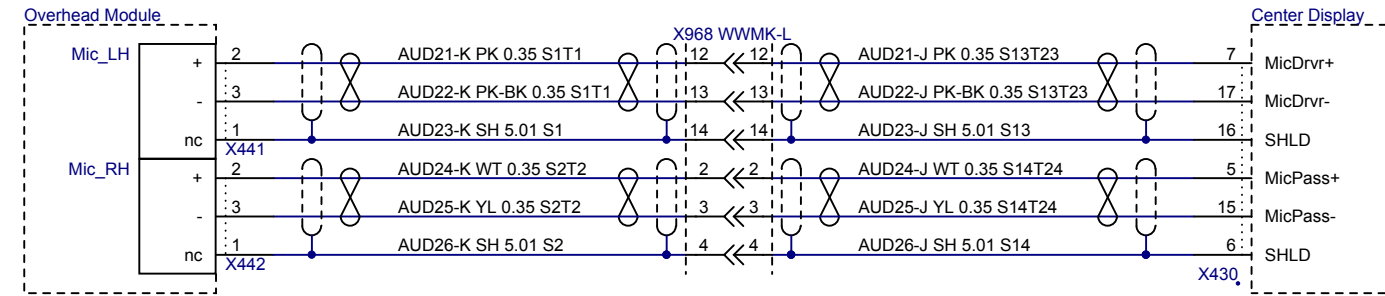
18.1[3D] GND-RF-LIFTGATE RFA15-U BK 3.0 X011 RingLug_BDY bonds to header above C-pillar to provide RF GND



PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Antenna Connections		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 12/5/2014
DO NOT SCALE DRAWING		SHEET 5.1

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X430, X441, X442, X968, X900 UNSEALED shield terminations



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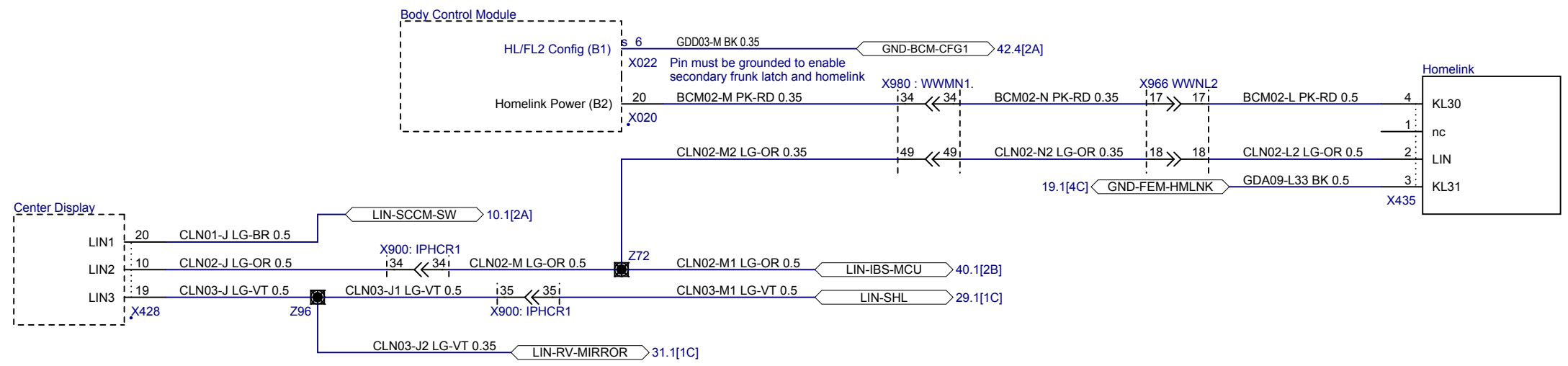
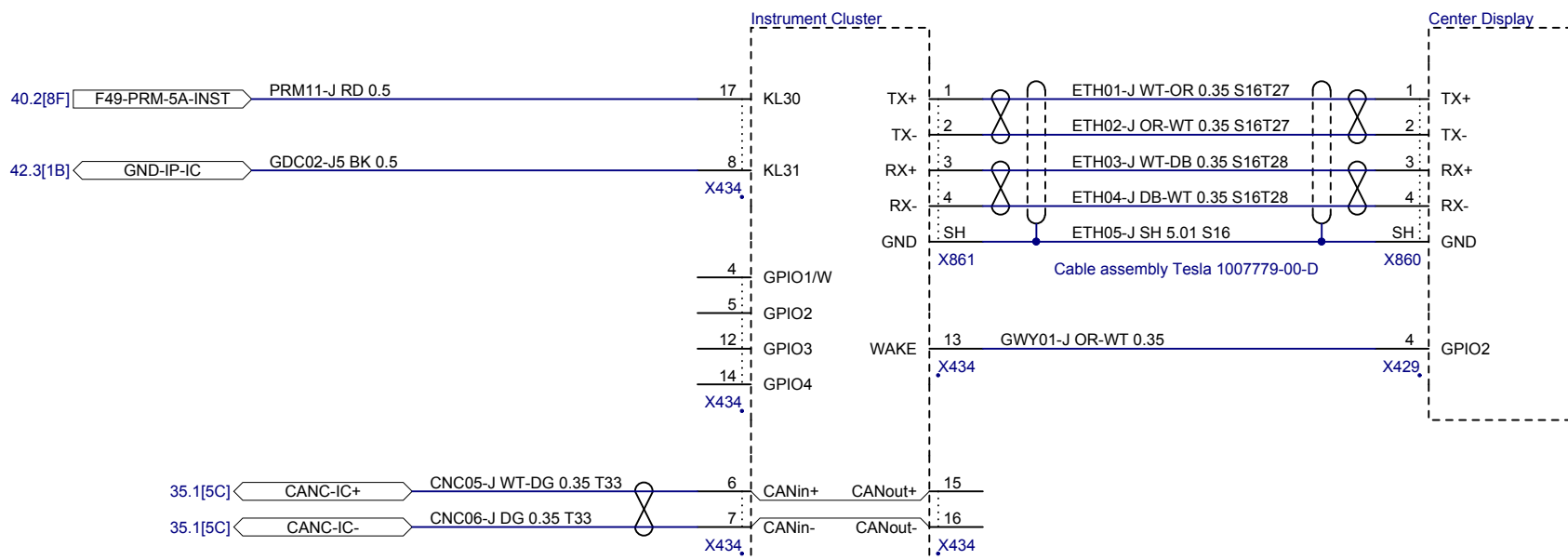
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5

SHEET NAME: Center Display - Microphone and USB

ITEM NO. 1004573-00-E REVISION: 13 DATE: 12/5/2014

DO NOT SCALE DRAWING SHEET 6.1

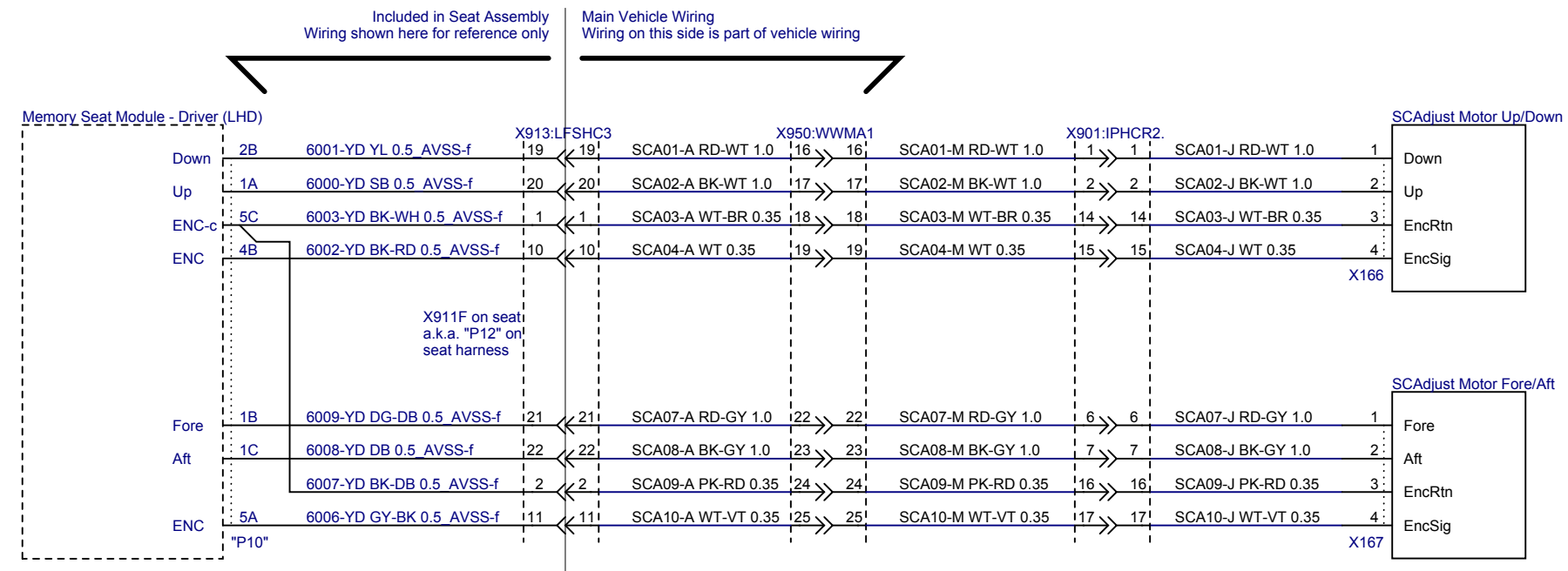
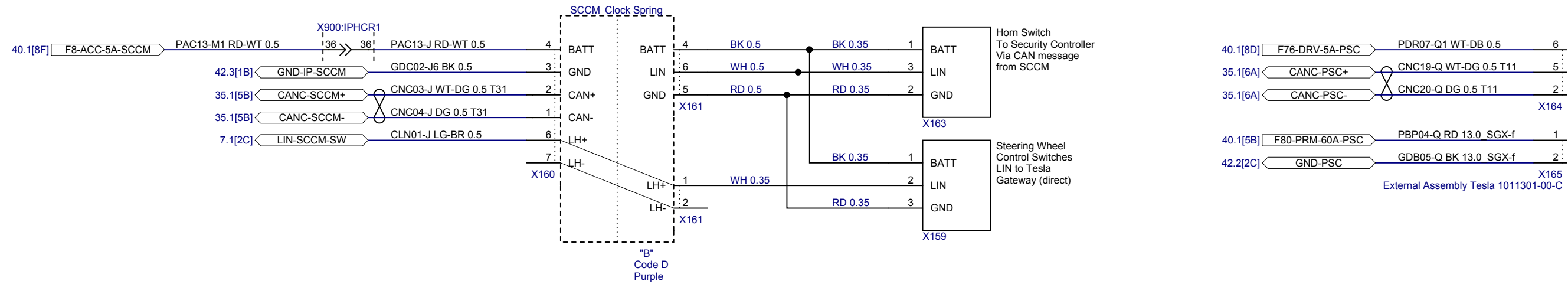
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PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Center Disp. - Inst. Cluster and LIN Interface		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 10/4/2016
DO NOT SCALE DRAWING		SHEET 7.1

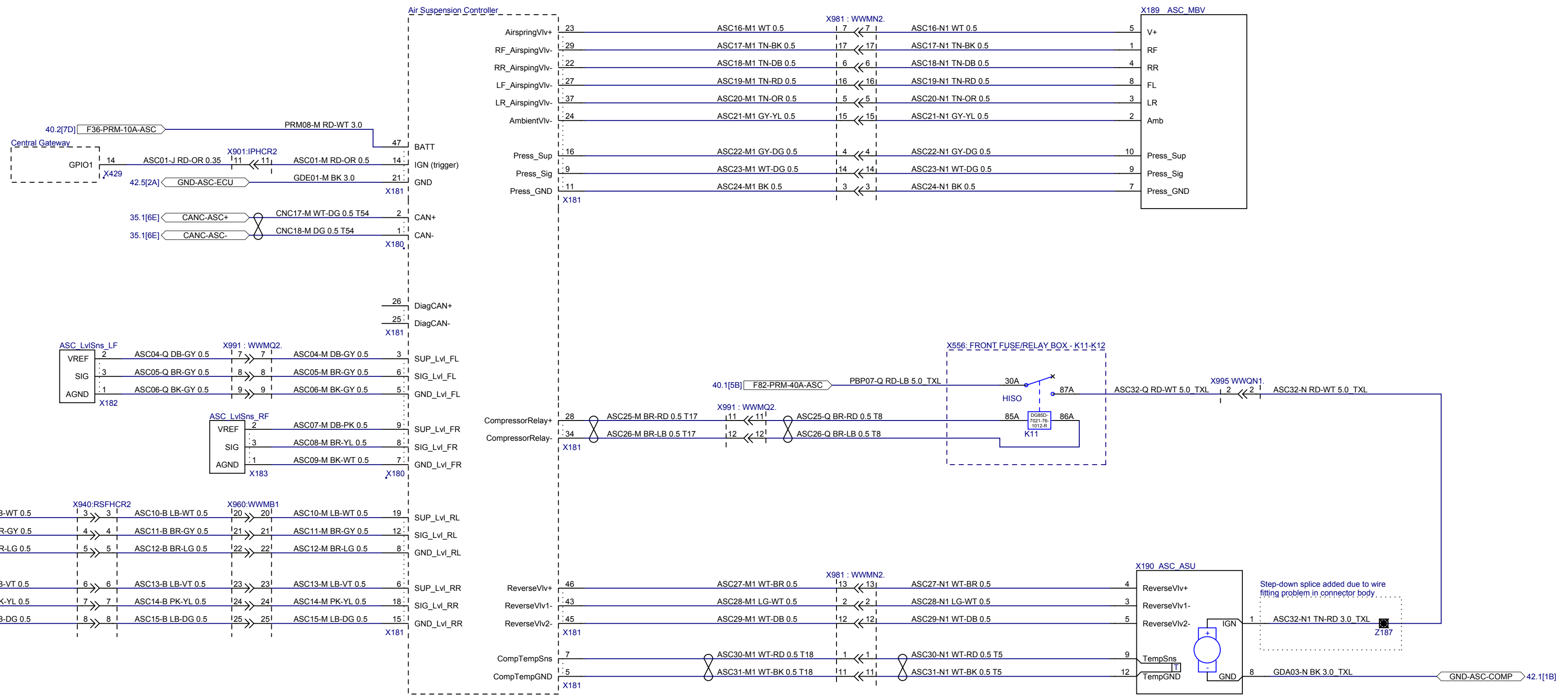
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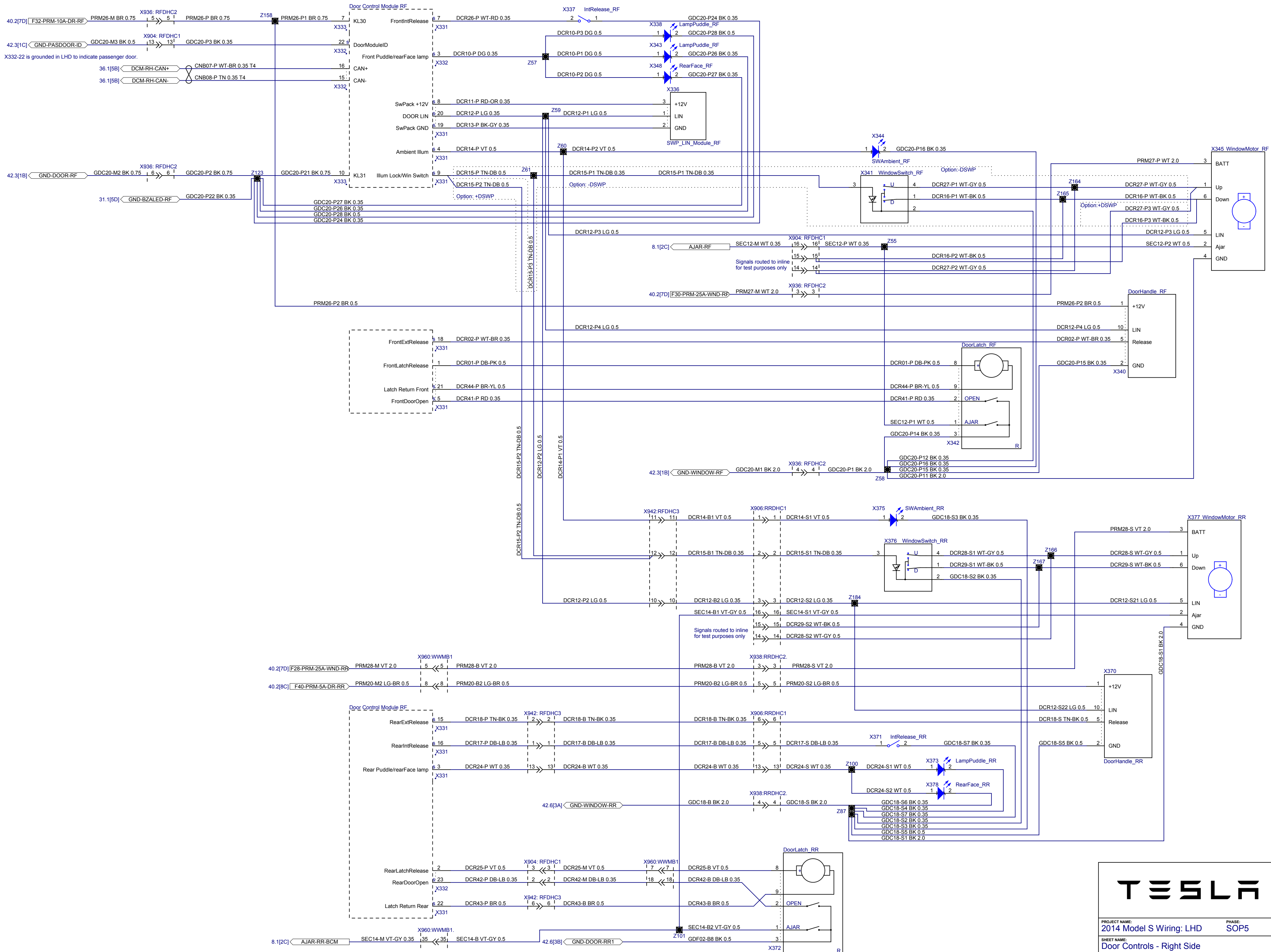
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Steering Wheel Controls / Power Steering		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 10/4/2016
DO NOT SCALE DRAWING		SHEET 10.1

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PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Chassis - Air Suspension Subsystem		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 5/29/2014
DO NOT SCALE DRAWING		SHEET 11.1

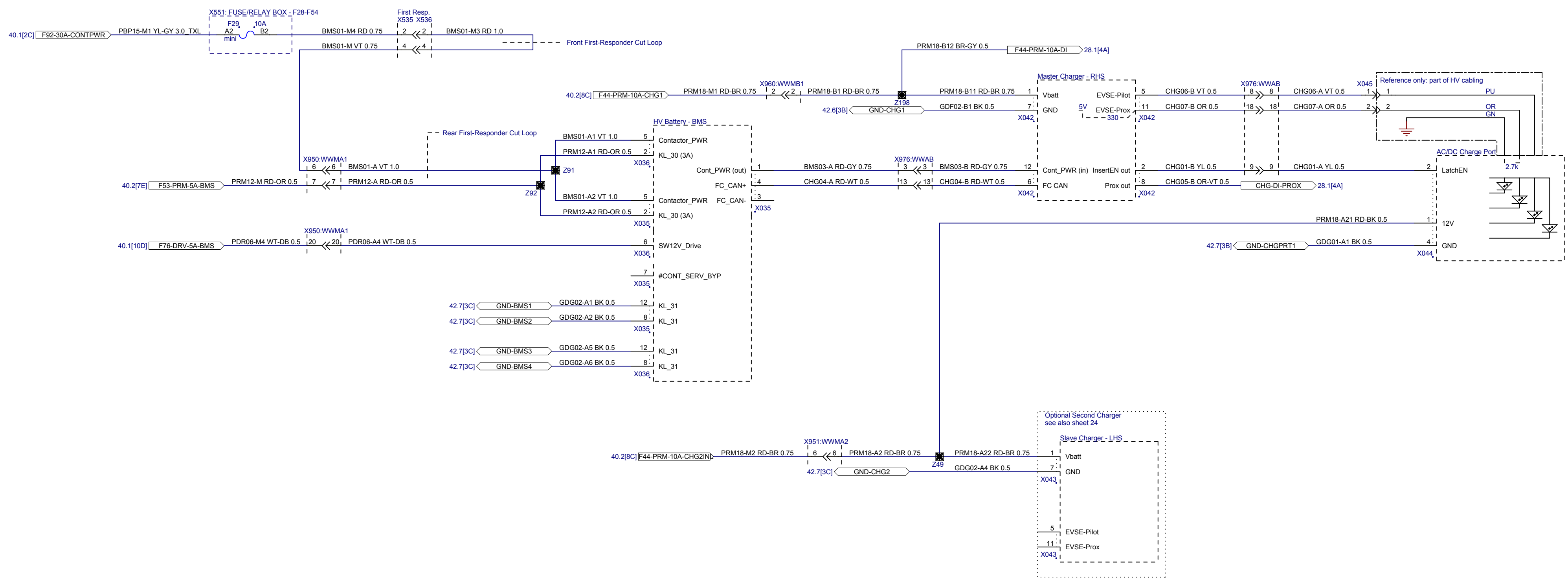
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PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Door Controls - Right Side		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 10/4/2016
DO NOT SCALE DRAWING		SHEET 14.1

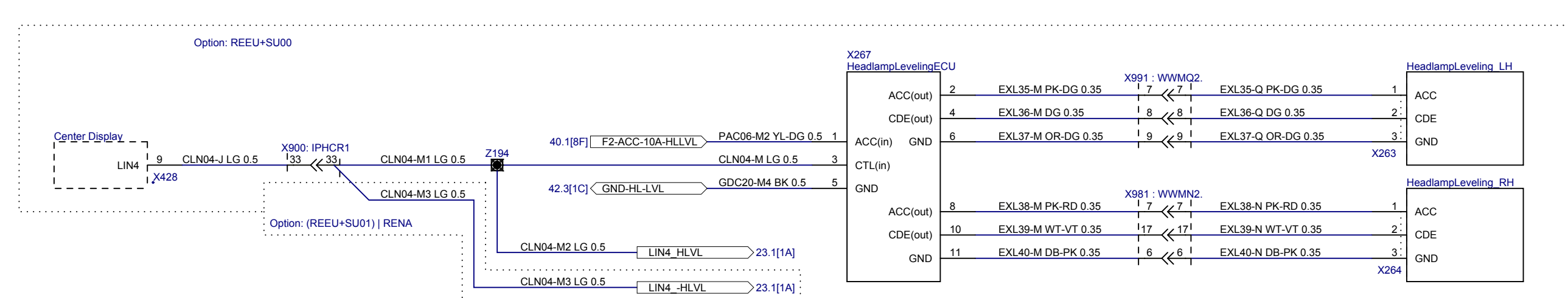
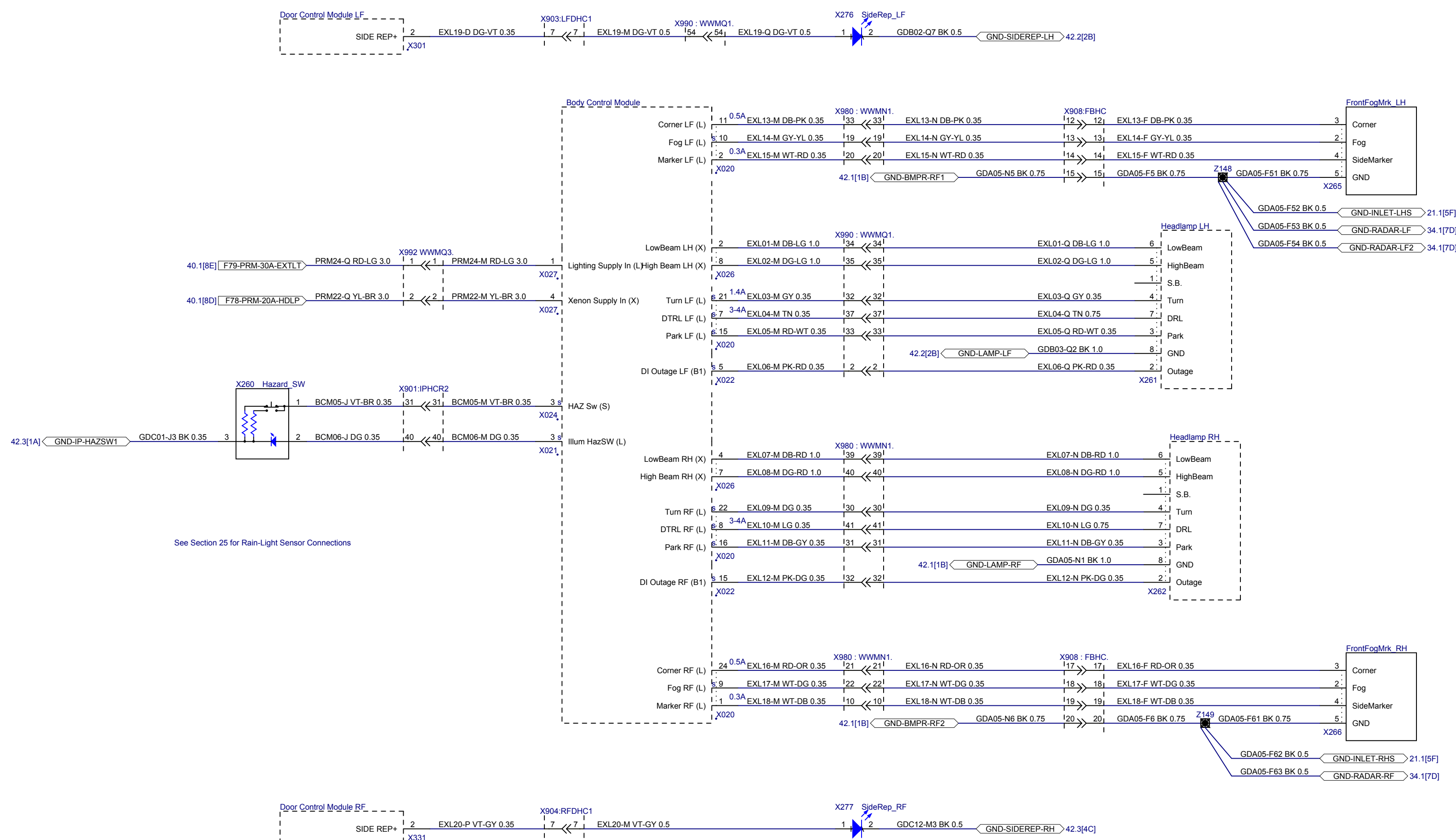
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PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Energy System - Charger Logic Connections		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 10/4/2016
DO NOT SCALE DRAWING		SHEET 16.1

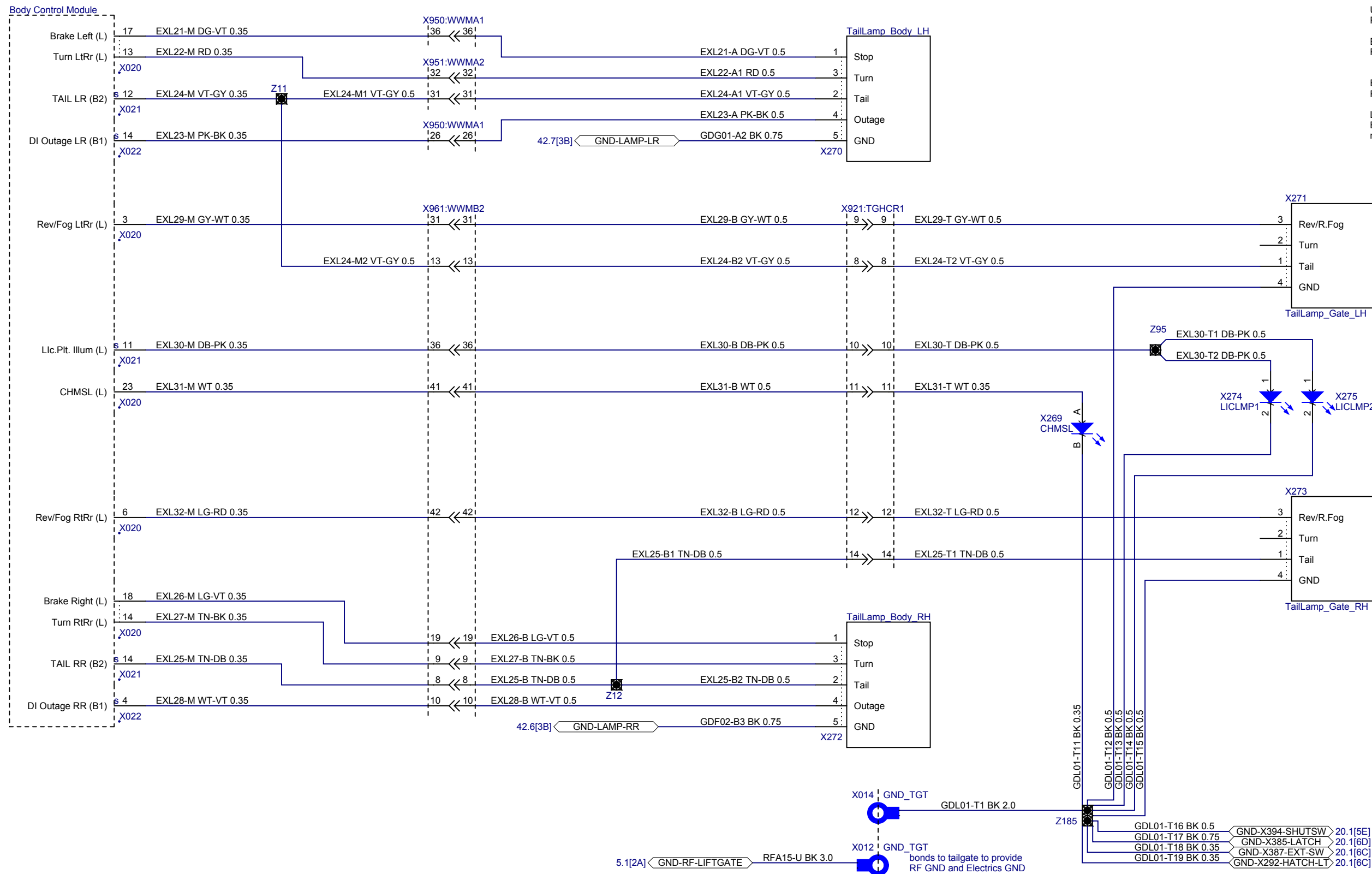
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PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5
 SHEET NAME: Exterior Illumination - Front
 ITEM NO. 1004573-00-E REVISION: 13 DATE: 5/29/2014
 DO NOT SCALE DRAWING SHEET 17.1

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Tailgate Lamp configurations:

US (federal):
Rev/R.Fog element is a reverse lamp on both left and right.

EU, LHD
Rev/R.Fog element is a reverse lamp on right, and fog lamp on left.

EU, RHD
Rev/R.Fog element is a reverse lamp on left, and fog lamp on right.

Lamp configurations are controlled by lamp assembly.
Body controls software manages the specific electrical behavior on a market basis.

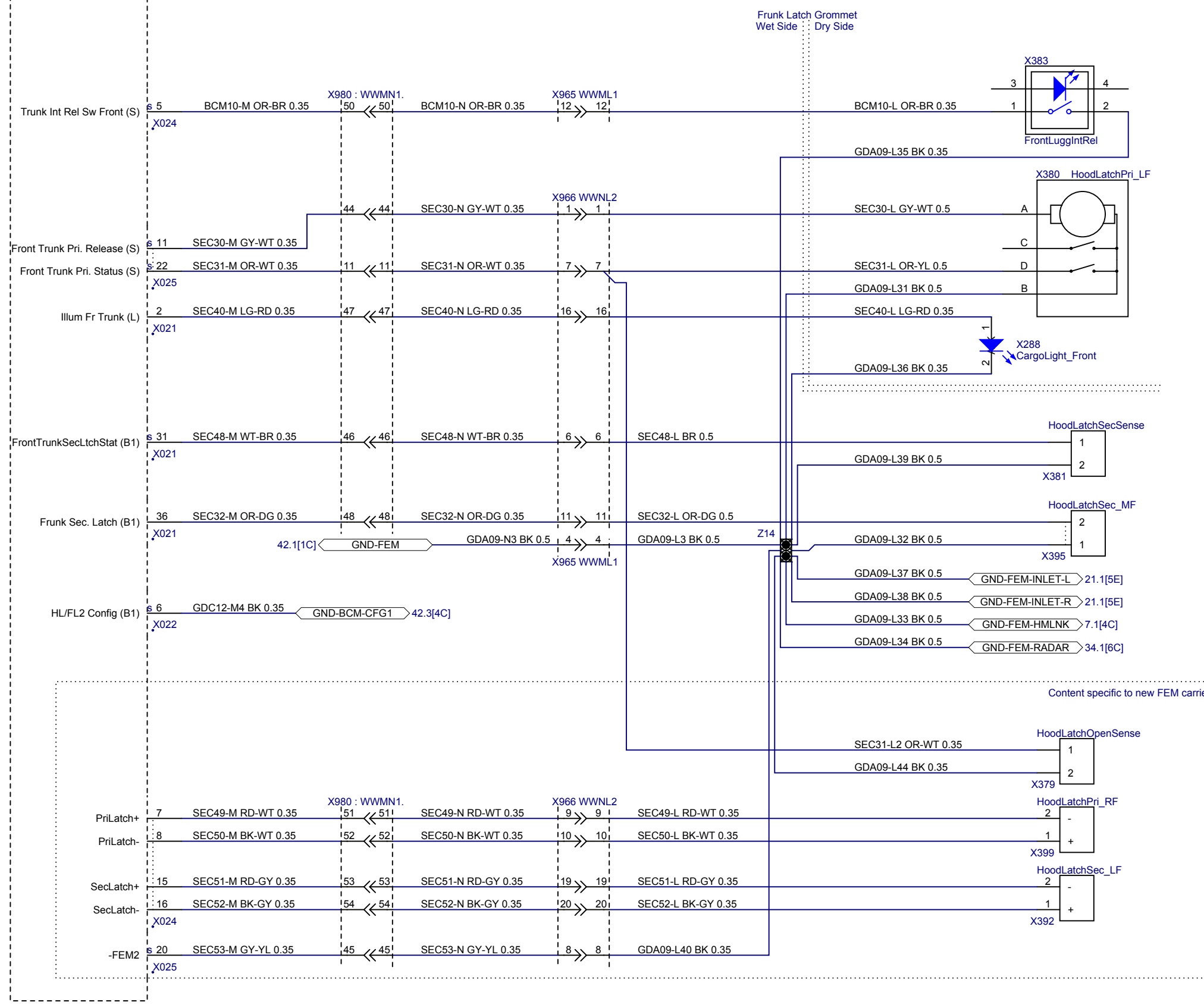


PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP5	
SHEET NAME: Exterior Illumination - Rear		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 8/14/2014
DO NOT SCALE DRAWING		SHEET 18.1

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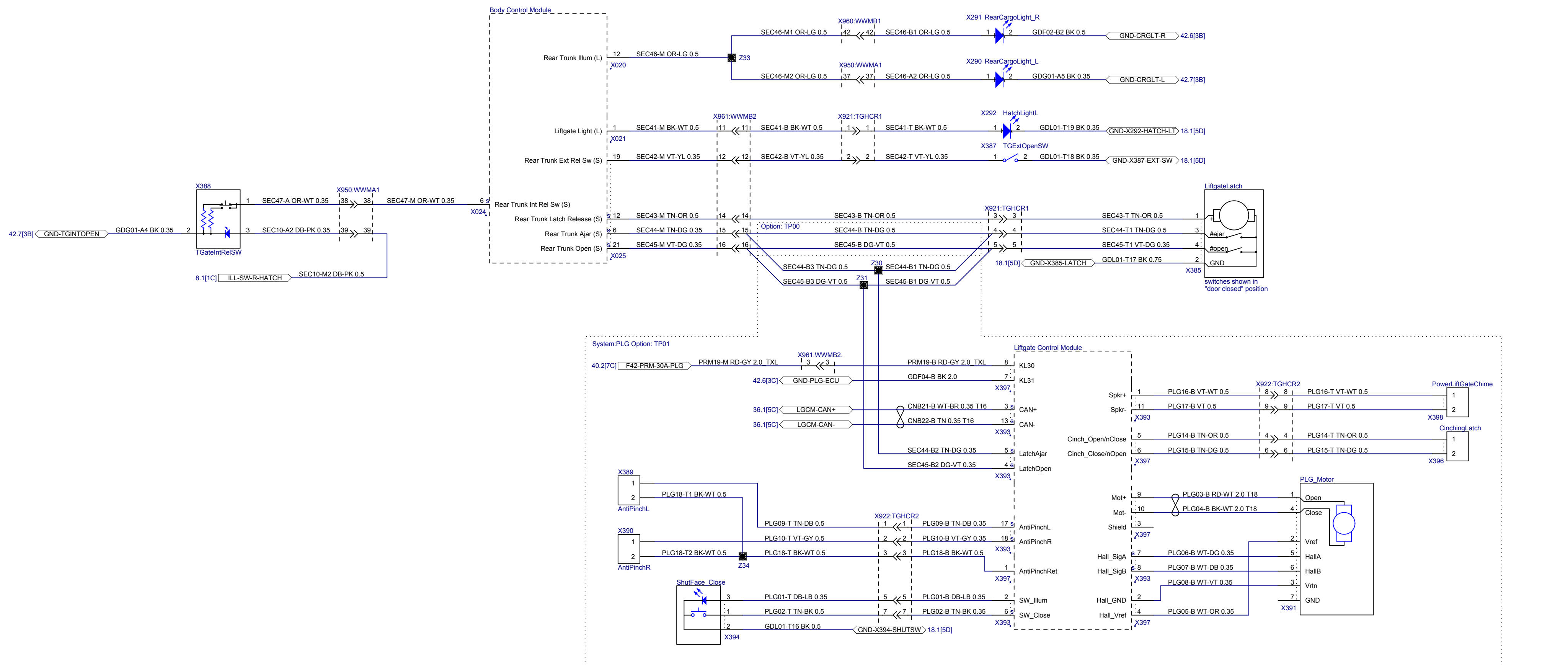
X014, X012 stack on grounding point at center of liftgate inner panel

Body Control Module



PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP5
SHEET NAME: Front Hatch Acuator/Sensors	
ITEM NO. 1004573-00-E	REVISION: 13
DATE: 5/29/2014	
DO NOT SCALE DRAWING	SHEET 19.1

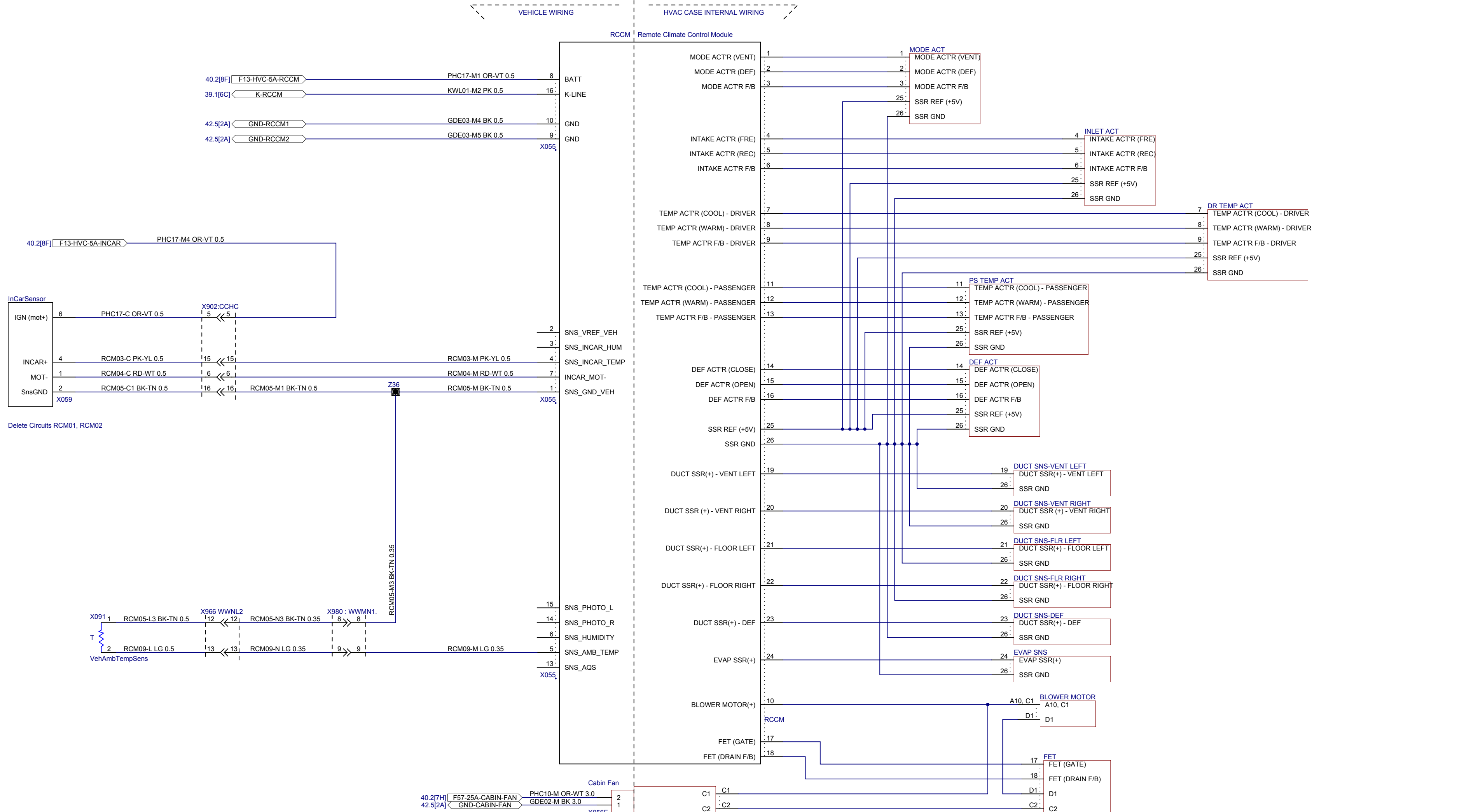
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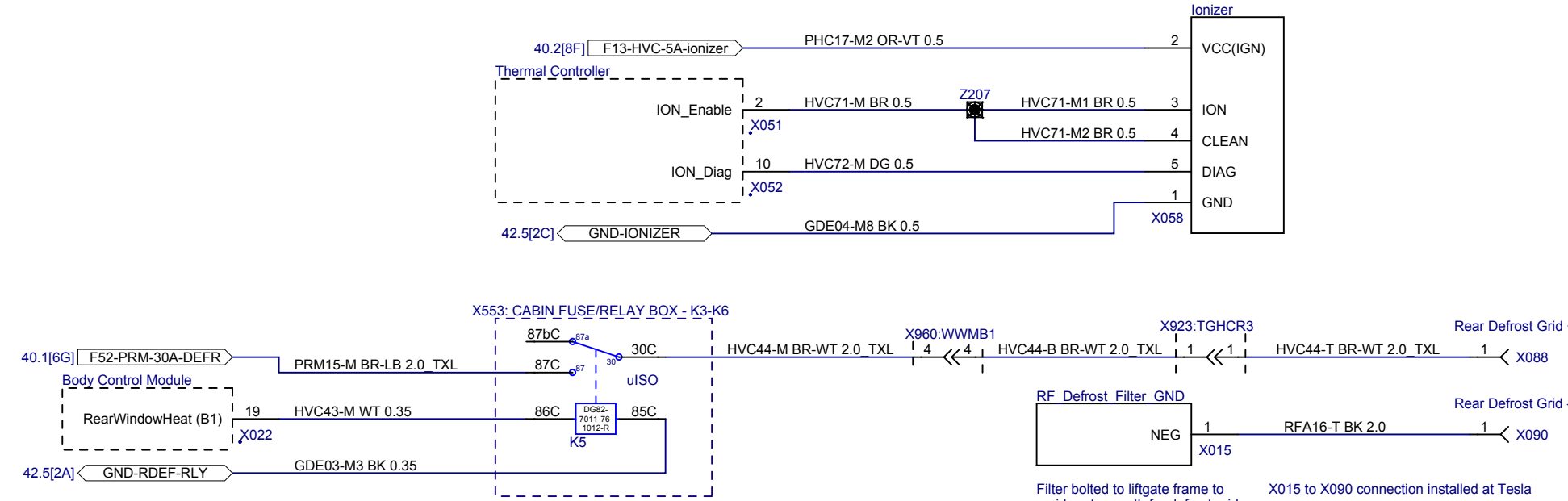
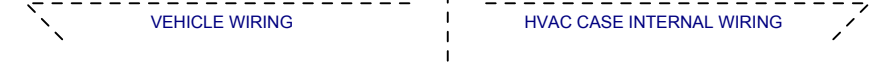
TESLA

PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Rear Hatch Acuator/Sensors + Liftgate Opt.		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 12/5/2014
DO NOT SCALE DRAWING		SHEET 20.1

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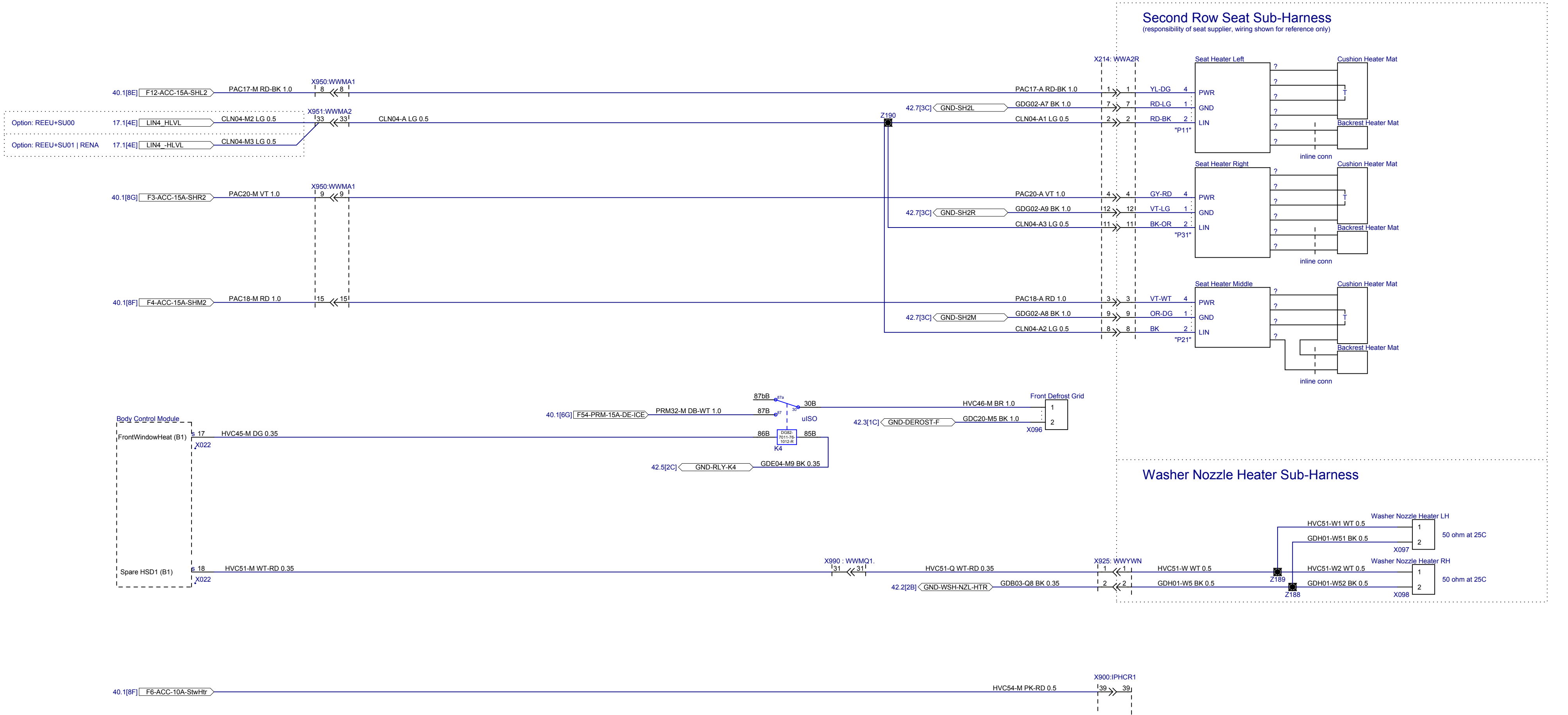
WARNING: pin numbering not consistent at blower connection



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PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5
 SHEET NAME: HVAC - Cabin Climate Controls, Rear Defrost
 ITEM NO. 1004573-00-E REVISION: 13 DATE: 10/7/2016
 DO NOT SCALE DRAWING SHEET 22.3

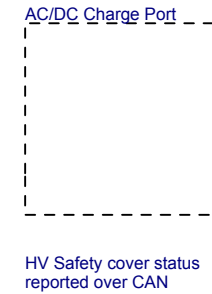
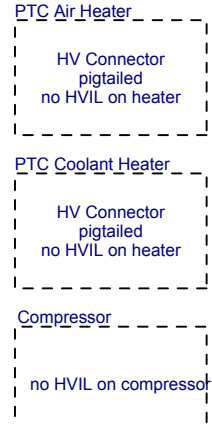
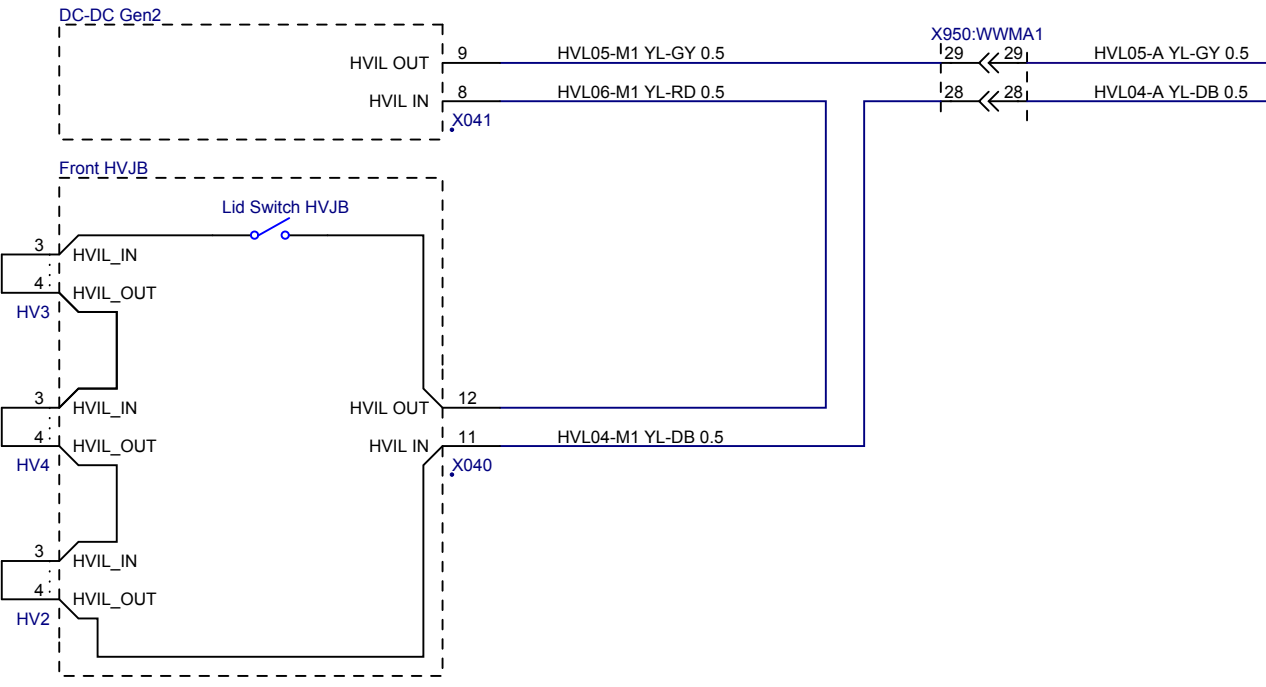
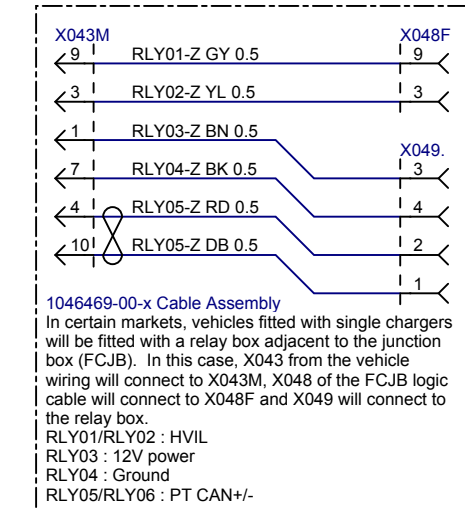
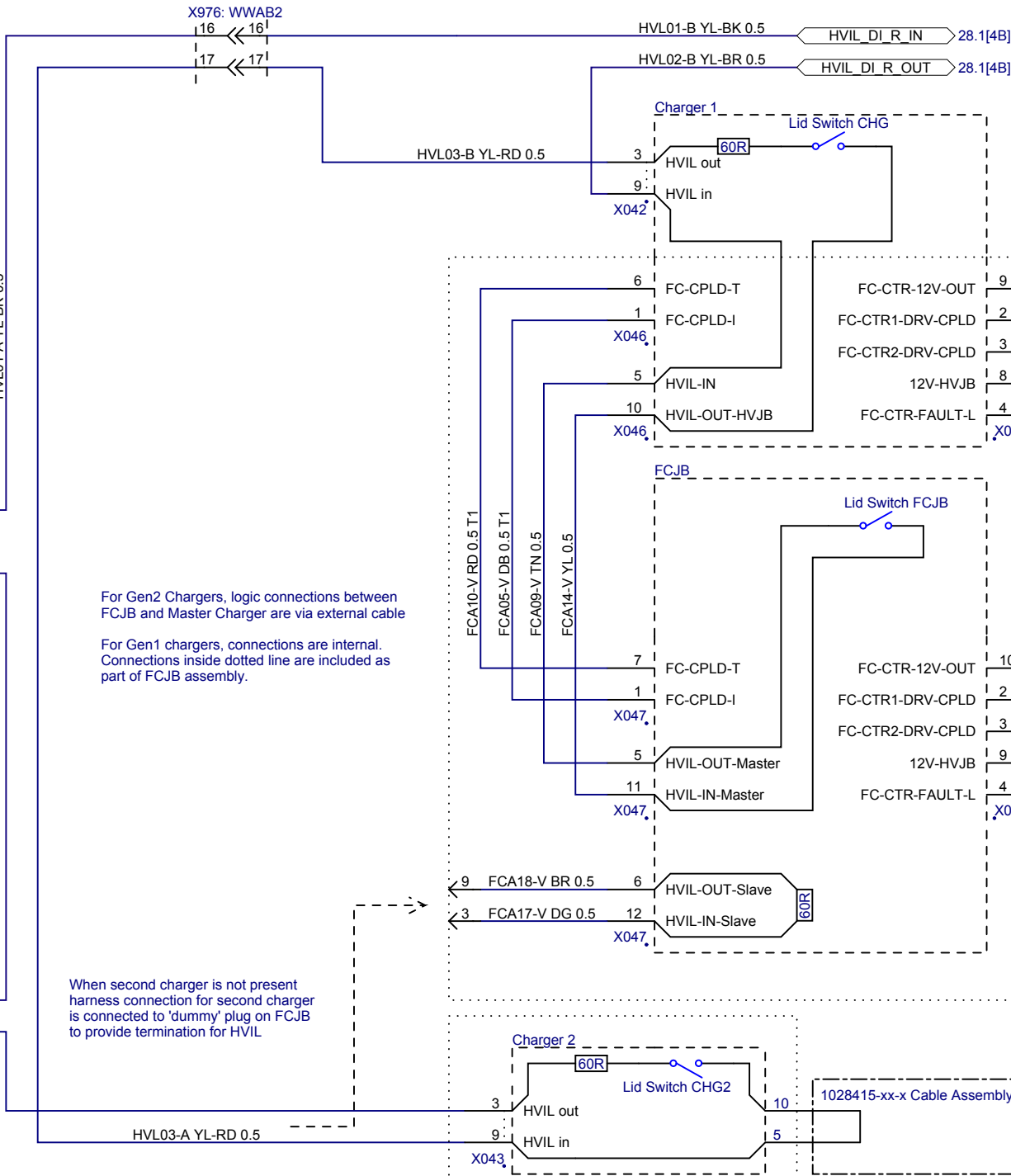
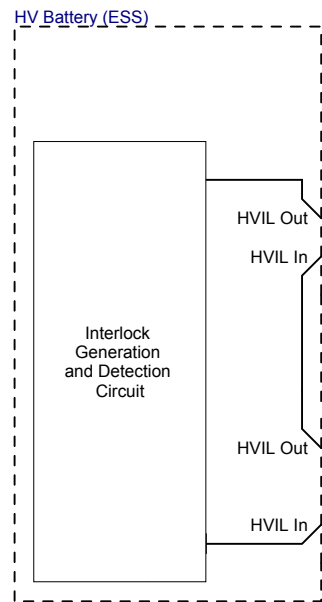
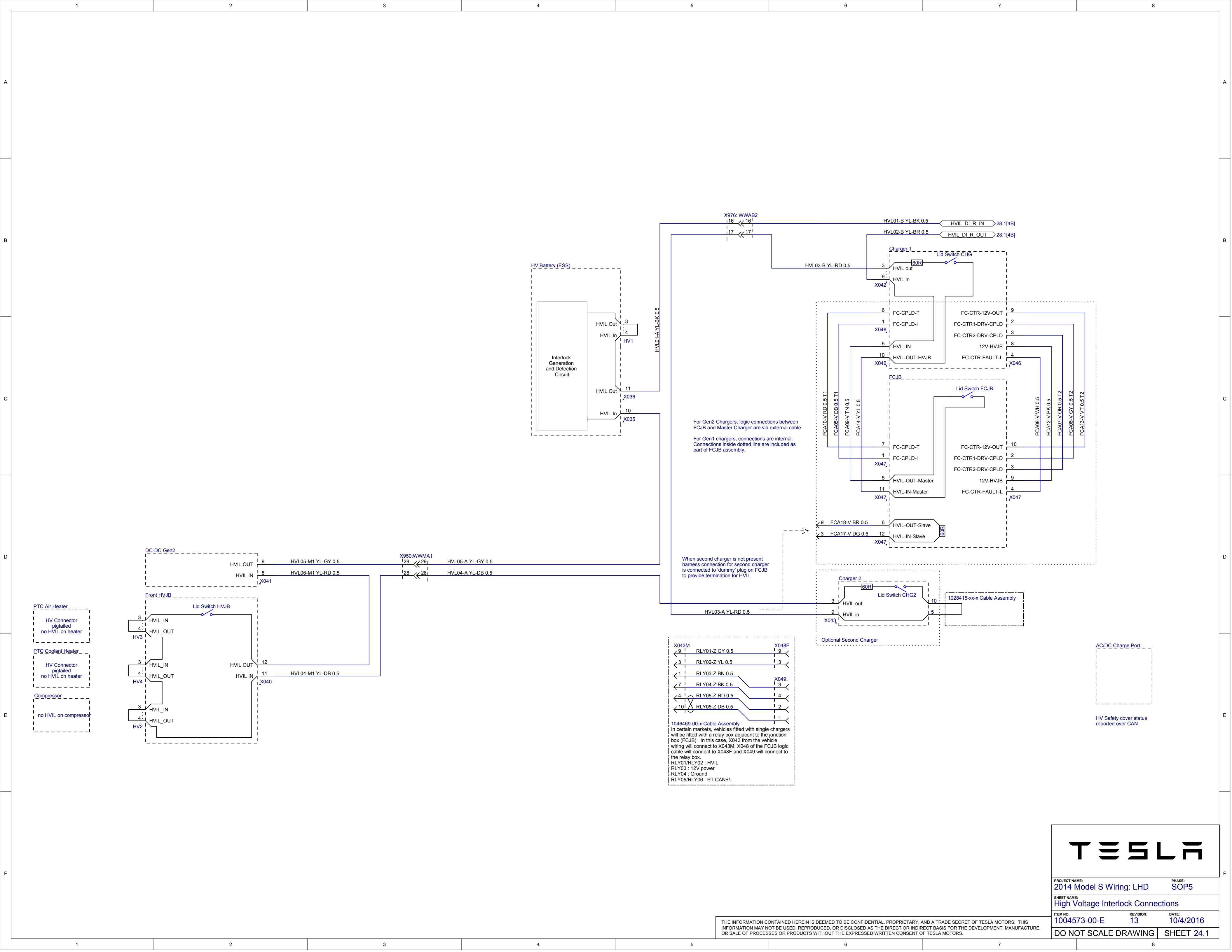
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PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP5
SHEET NAME: Cold Weather Package Content	
ITEM NO. 1004573-00-E	REVISION: 13
DATE: 8/14/2014	
DO NOT SCALE DRAWING	SHEET 23.1

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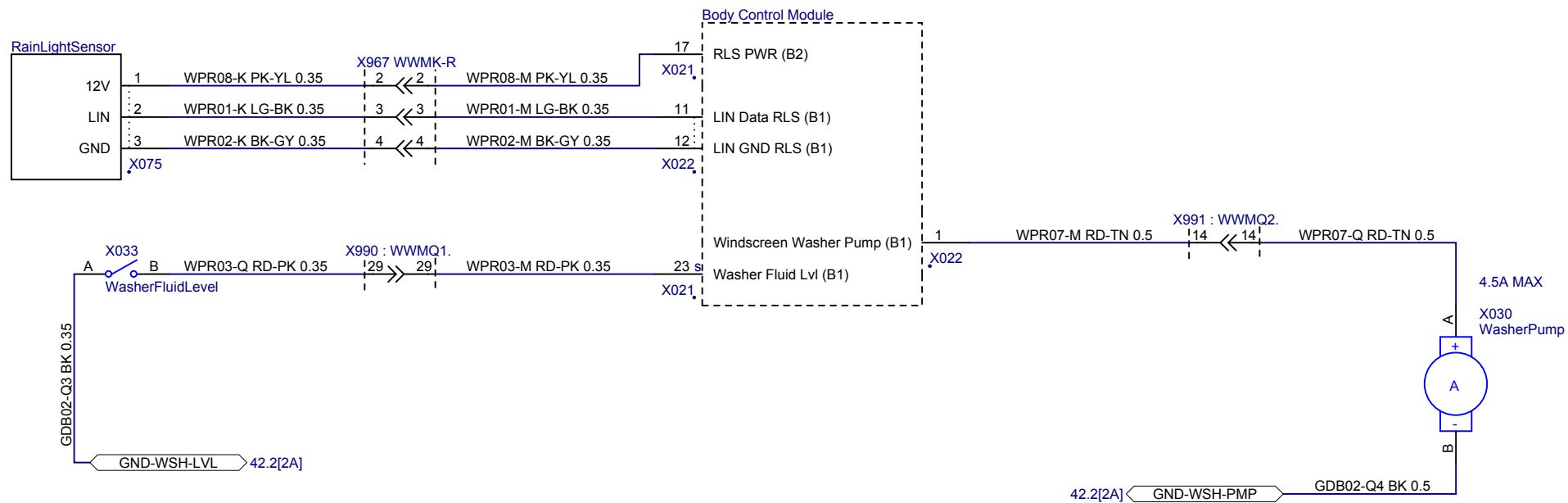
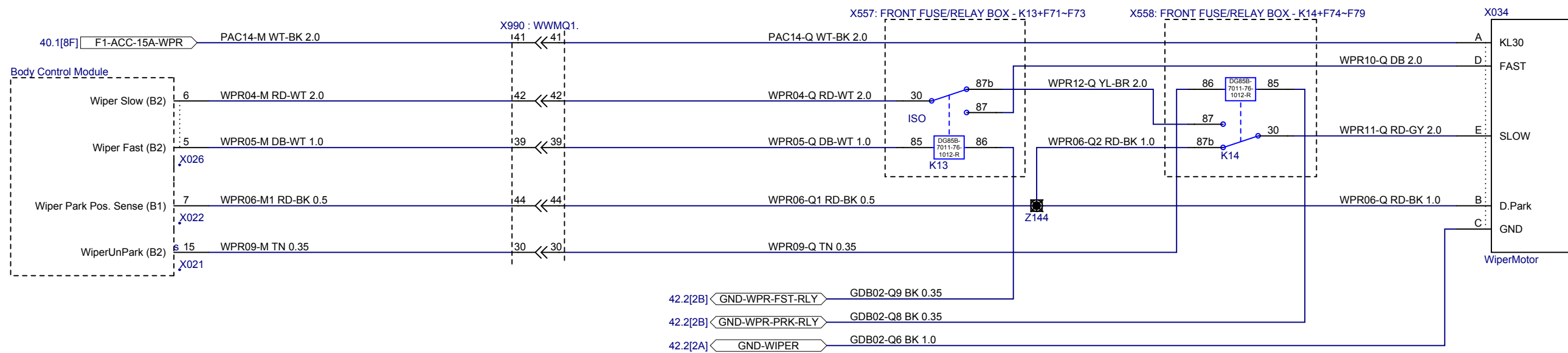
For Gen2 Chargers, logic connections between FCJB and Master Charger are via external cable
 For Gen1 chargers, connections are internal. Connections inside dotted line are included as part of FCJB assembly.

When second charger is not present harness connection for second charger is connected to 'dummy' plug on FCJB to provide termination for HVIL

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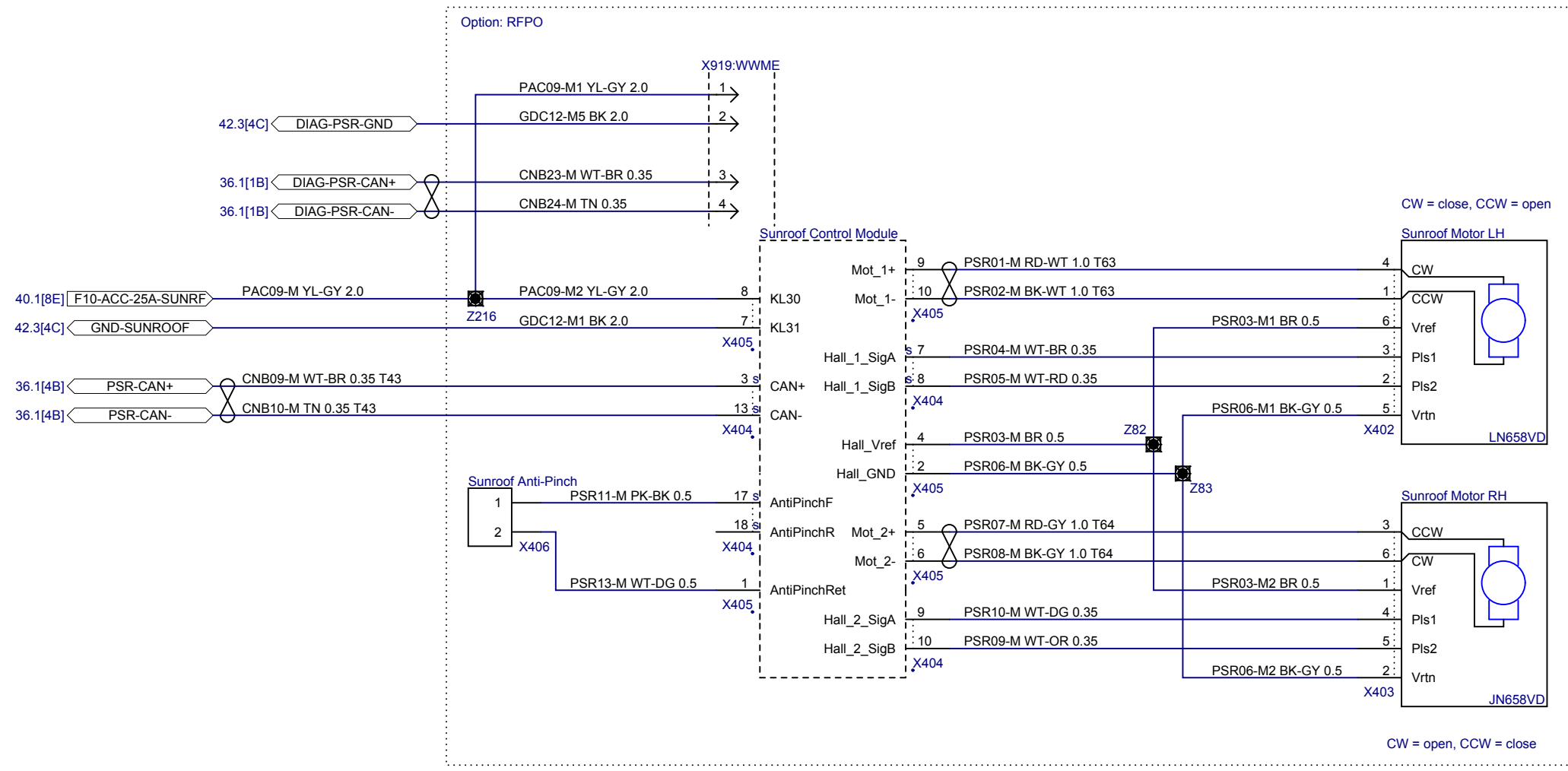
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5
 SHEET NAME: High Voltage Interlock Connections
 ITEM NO. 1004573-00-E REVISION: 13 DATE: 10/4/2016
 DO NOT SCALE DRAWING SHEET 24.1

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PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Windscreen Wiper/Washer, Rain Sensor		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 8/14/2014
DO NOT SCALE DRAWING		SHEET 25.1

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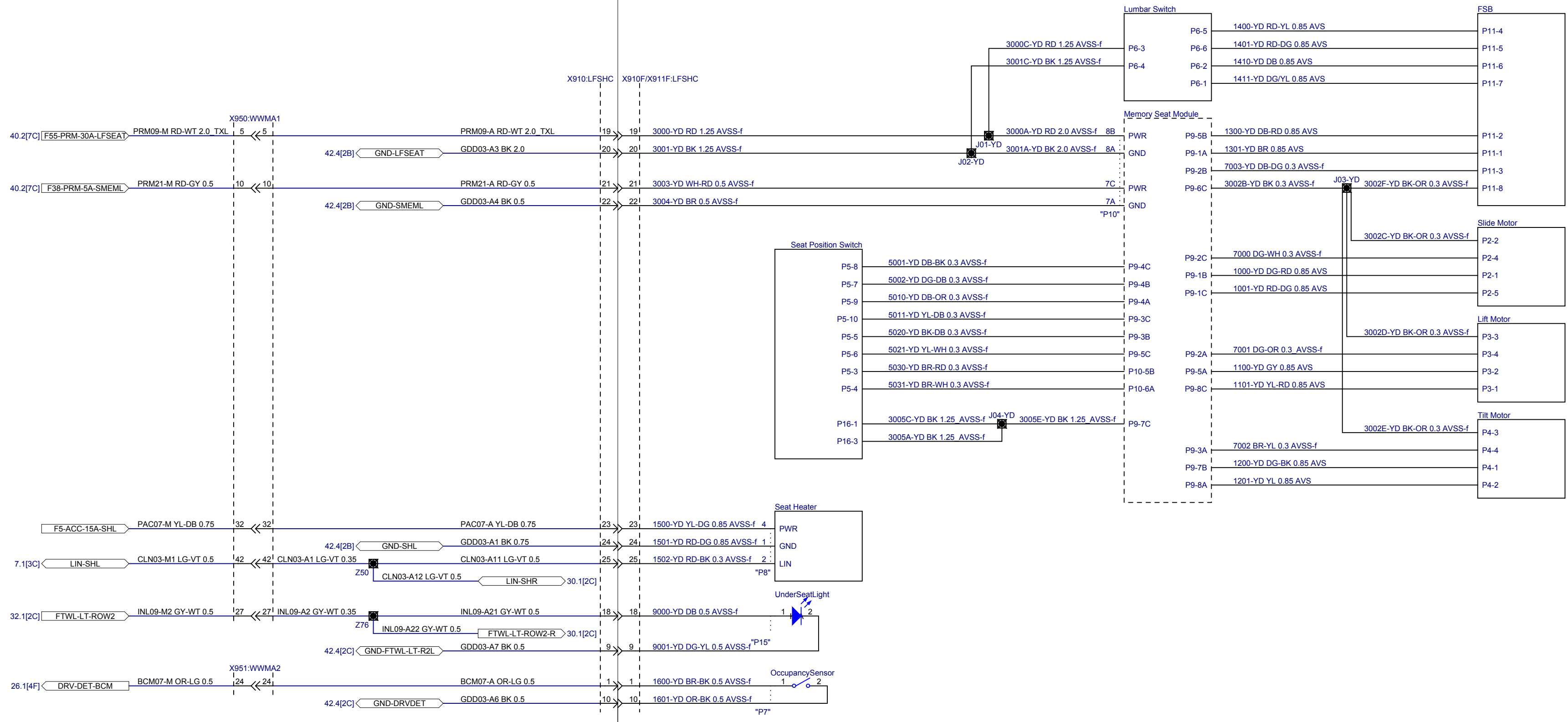
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Panoramic Sunroof		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 8/14/2014
DO NOT SCALE DRAWING		SHEET 27.1

THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

Main Vehicle Wiring
Wiring on this side is part of vehicle wiring

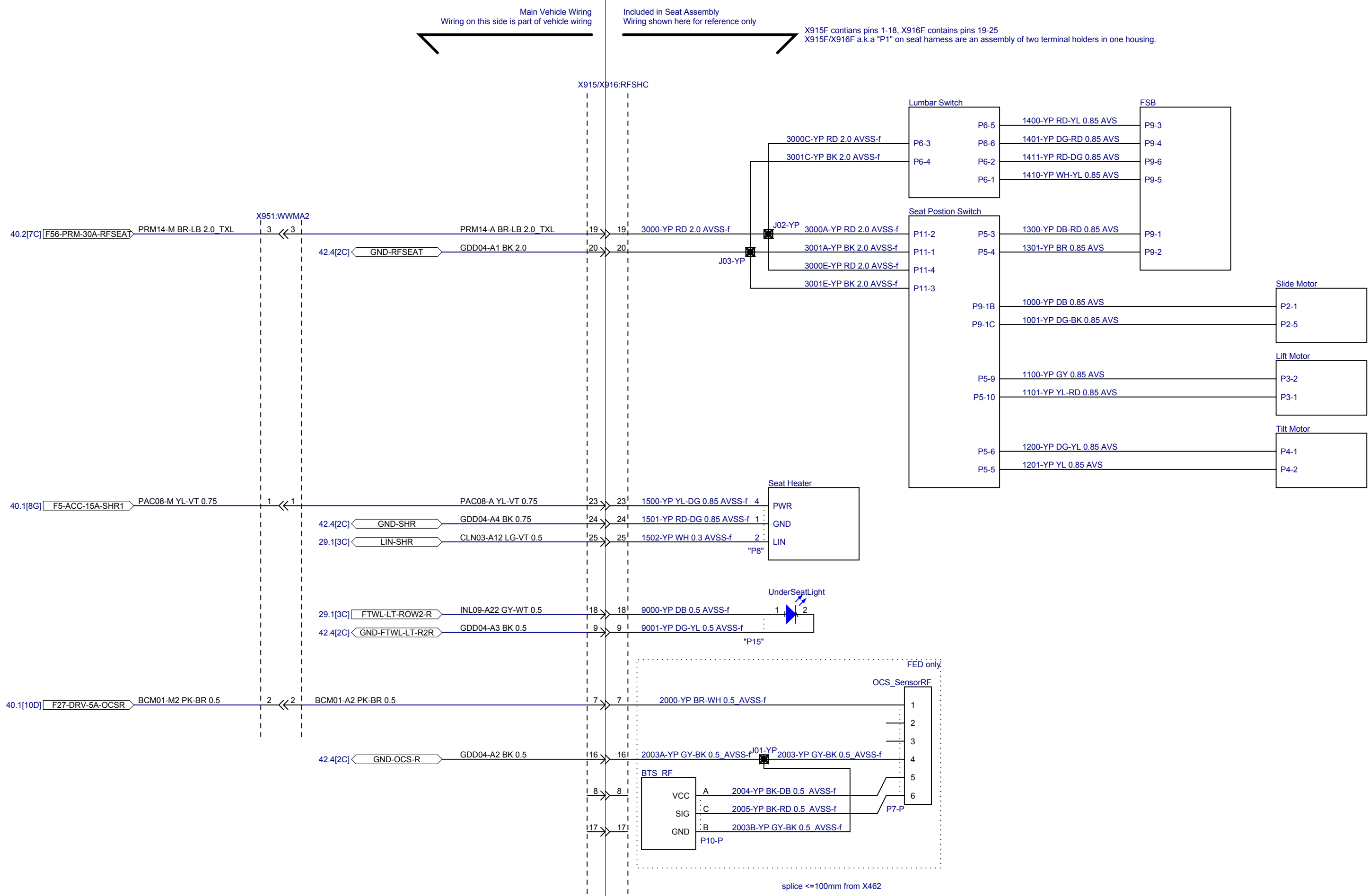
Included in Seat Assembly
Wiring shown here for reference only

X910F contains pins 1-18, X911F contains pins 19-25
X910F/X911F a.k.a "P1" on seat harness are an assembly of two terminal holders in one housing.



PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5	
SHEET NAME: Left Front Seat Vehicle Interface			
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 8/14/2014	
DO NOT SCALE DRAWING			SHEET 29.1

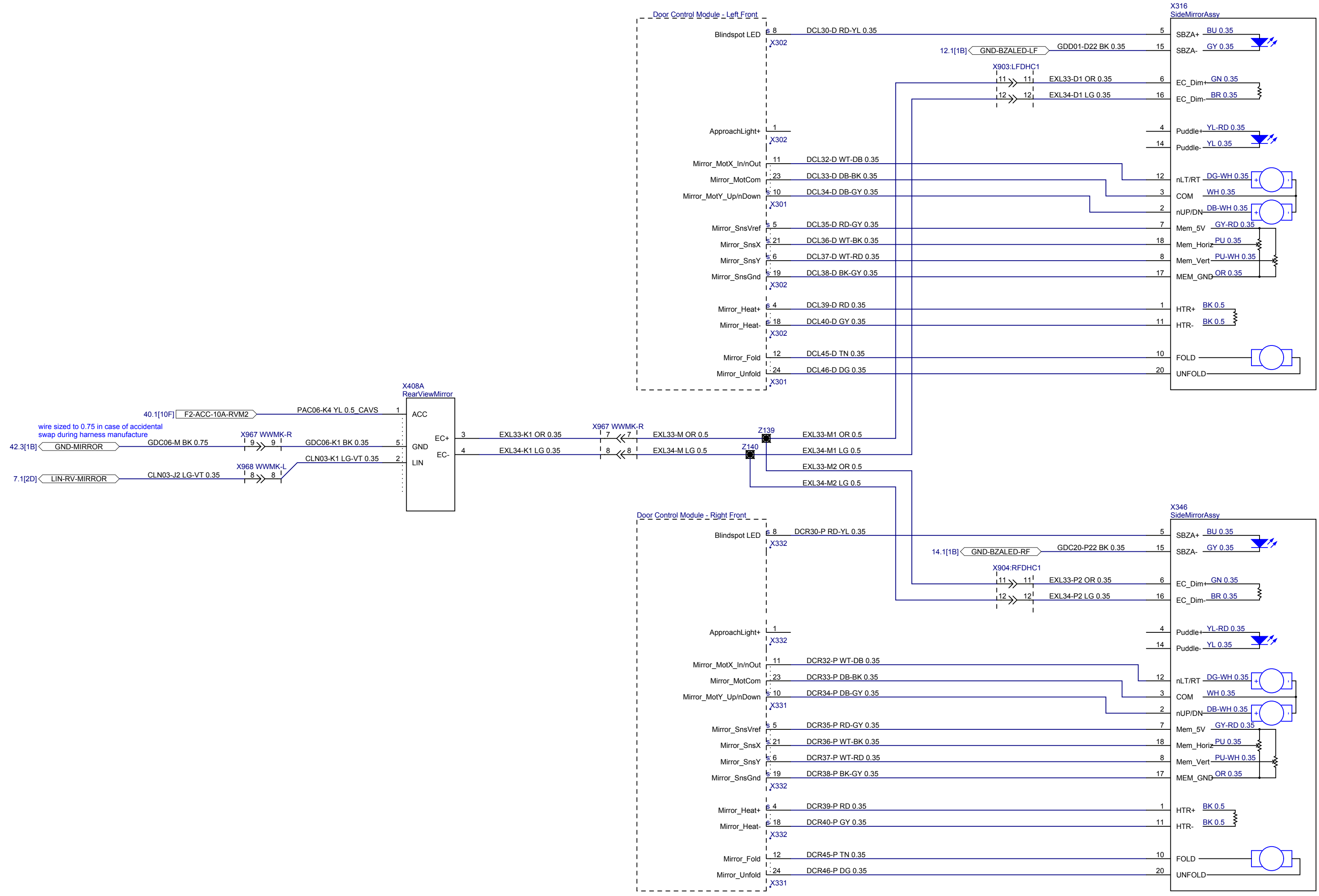
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Right Front Seat Vehicle Interface		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 10/1/2014
DO NOT SCALE DRAWING		SHEET 30.1

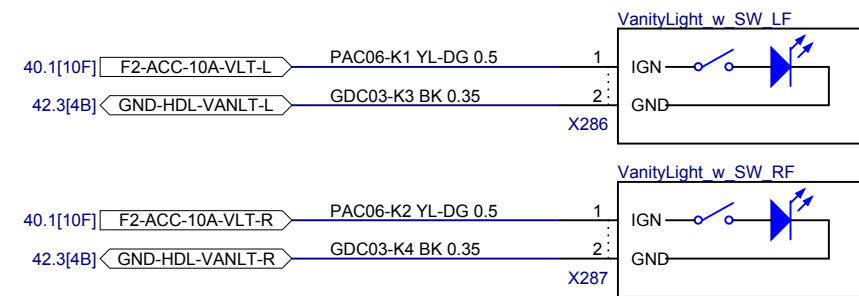
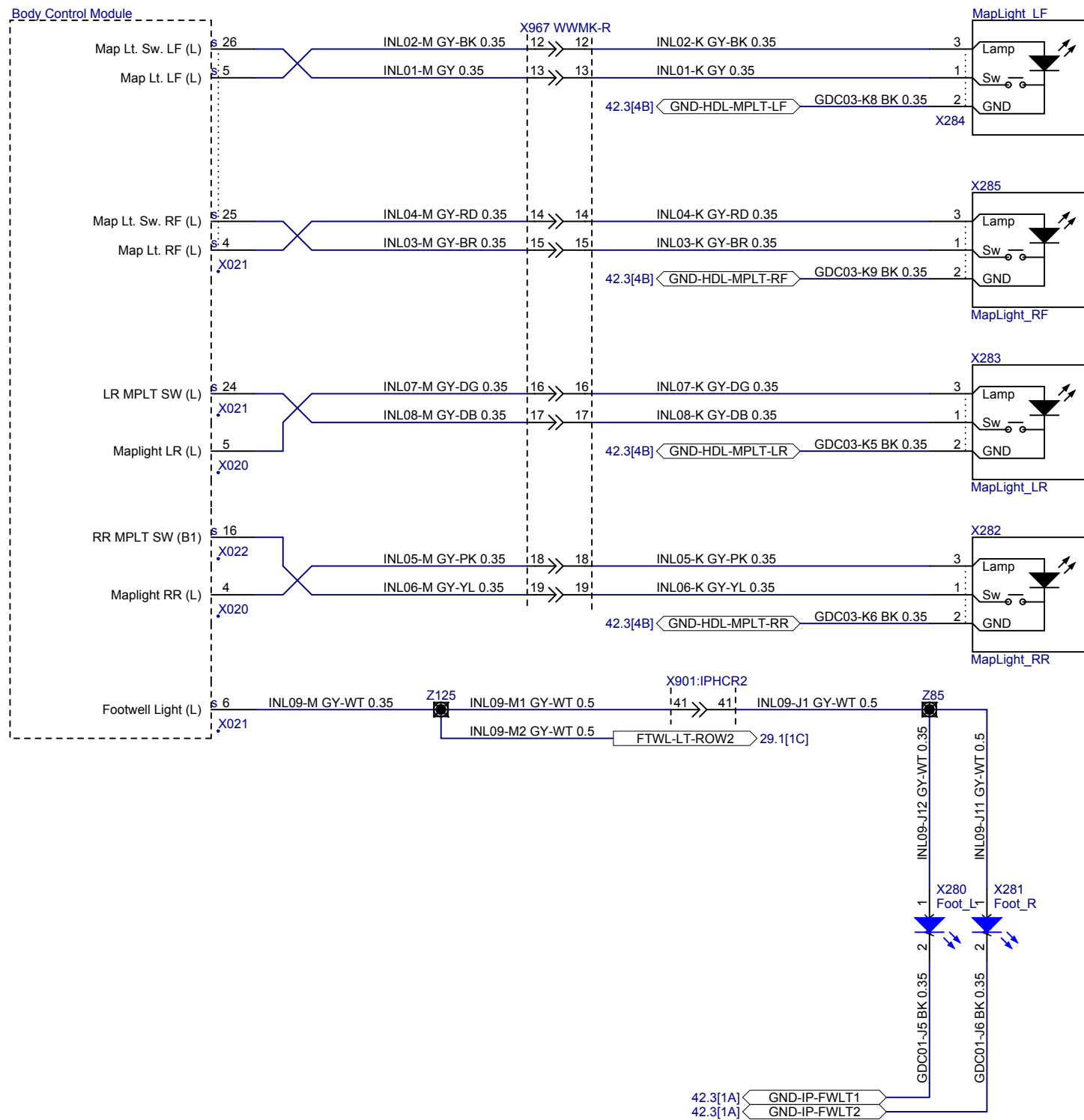
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



Mirror control commands come to the drive door control module via LIN from the driver-door switchpack module. Mirror controls for the passenger side mirror are then passed over CAN to the passenger door control module.

THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

TESLA	
PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP5
SHEET NAME: Mirrors - Center and Side	
ITEM NO. 1004573-00-E	REVISION: 13
DATE: 12/5/2014	
DO NOT SCALE DRAWING	SHEET 31.1

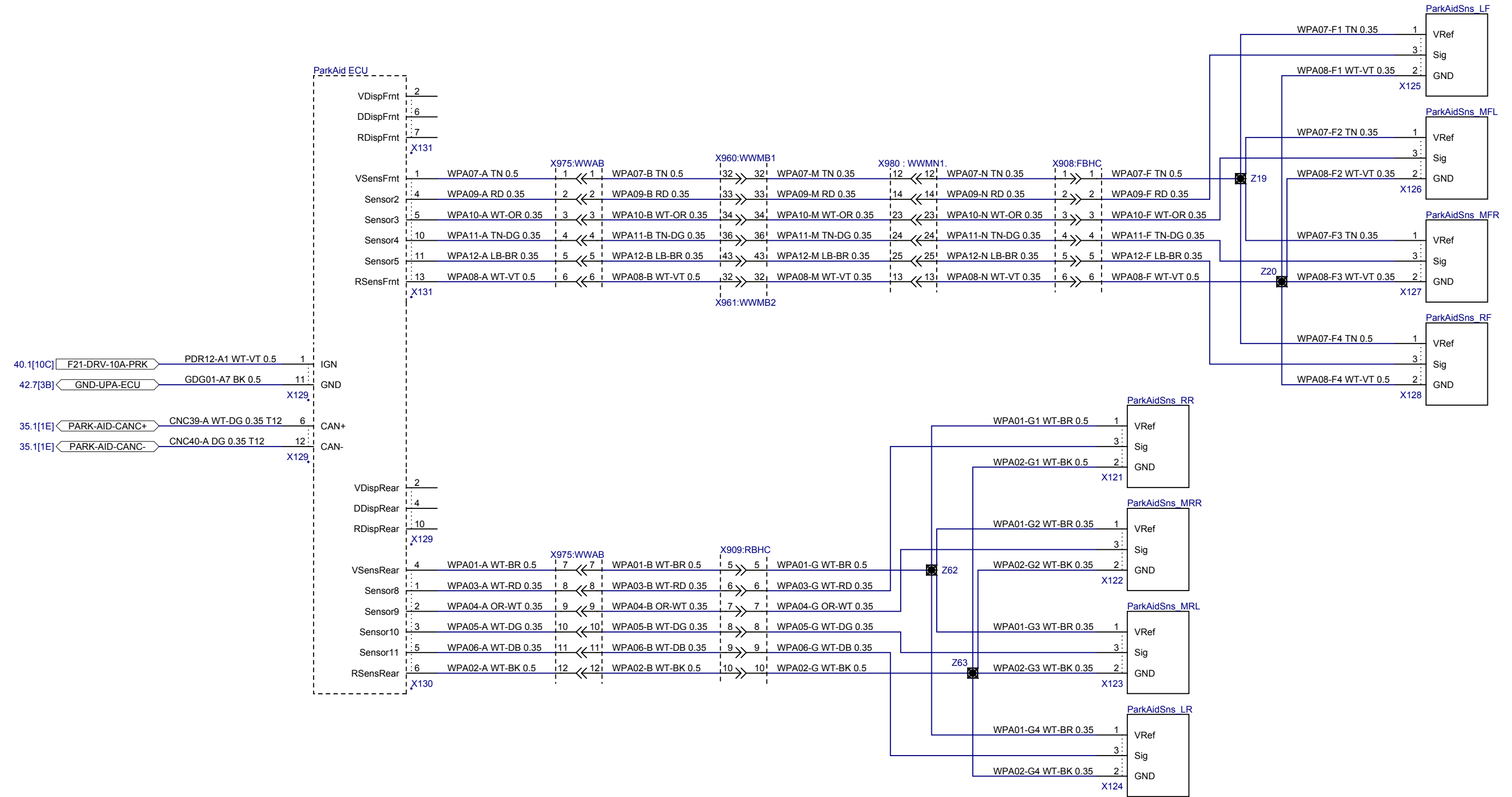


TESLA

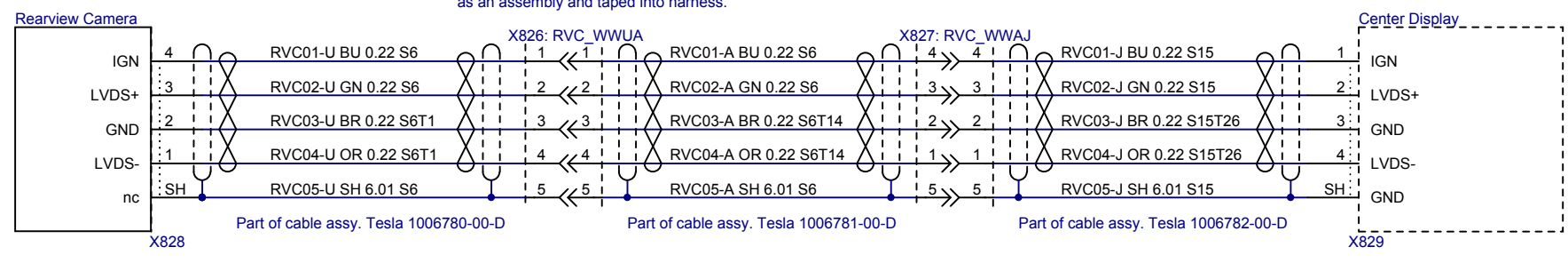
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Interior Lighting - Maplights		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 8/14/2014
DO NOT SCALE DRAWING		SHEET 32.1

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Applies to vehicles with PK01 option built before seq# 3997 September 18, 2014



Applies to all vehicles.



Video Cabling for rear view camera will be purchased as an assembly and taped into harness.

TESLA

PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5

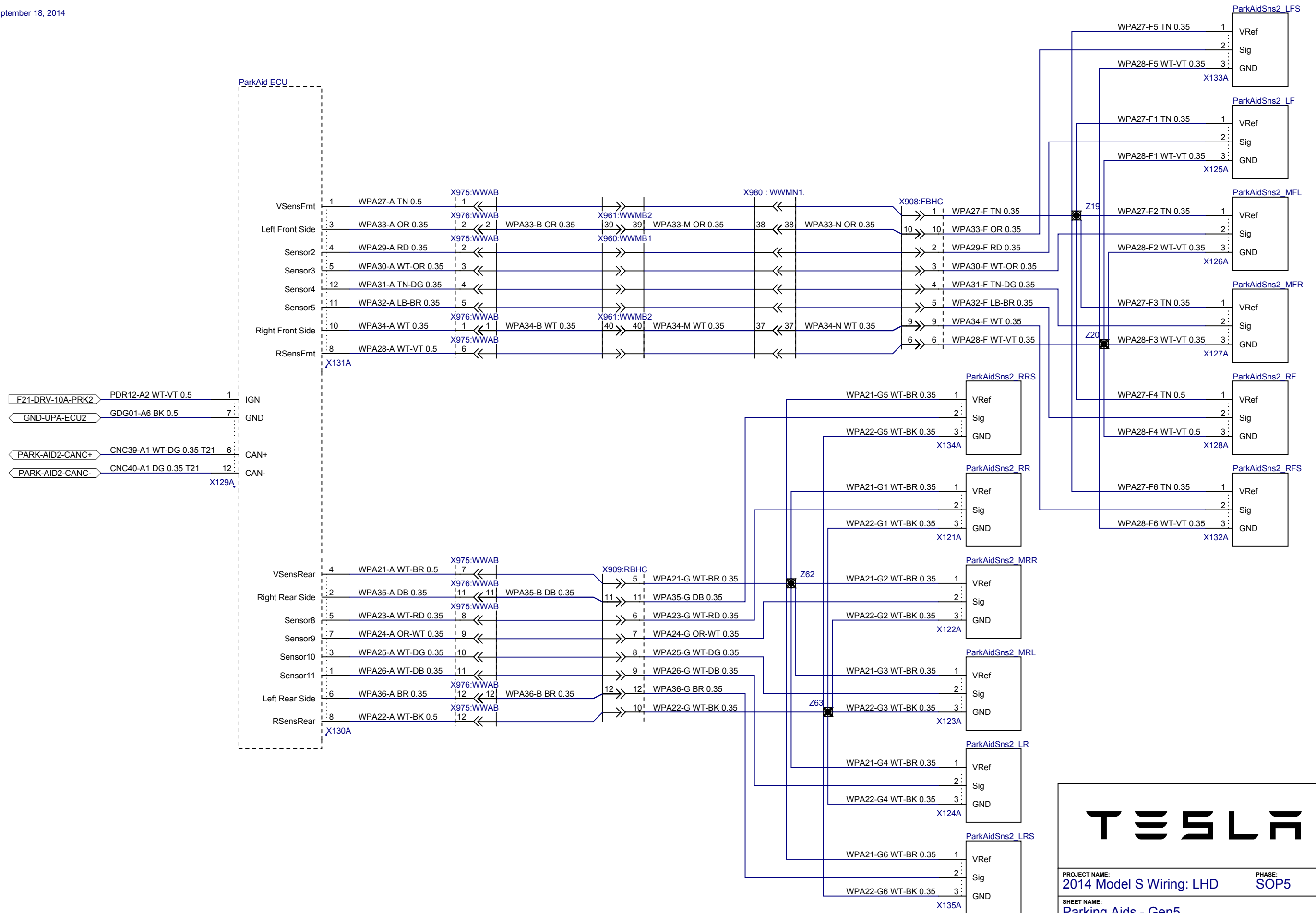
SHEET NAME: Parking Aids

ITEM NO. 1004573-00-E REVISION: 13 DATE: 9/27/2014

DO NOT SCALE DRAWING SHEET 33.1

THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

Applies to all vehicles built on or after seq# 3997 September 18, 2014



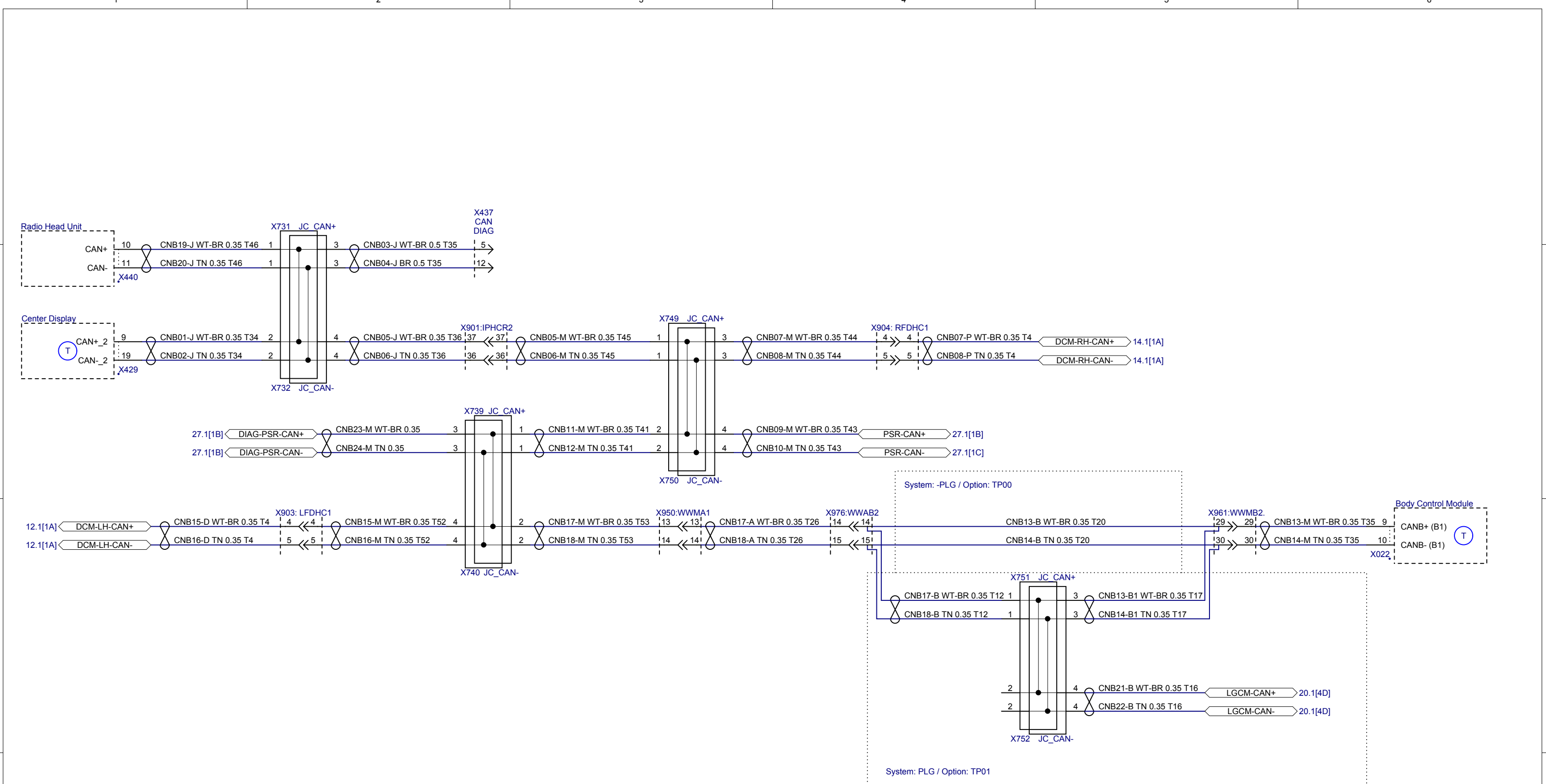
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5

SHEET NAME: Parking Aids - Gen5

ITEM NO. 1004573-00-E REVISION: 13 DATE: 9/27/2014

DO NOT SCALE DRAWING SHEET 33.2

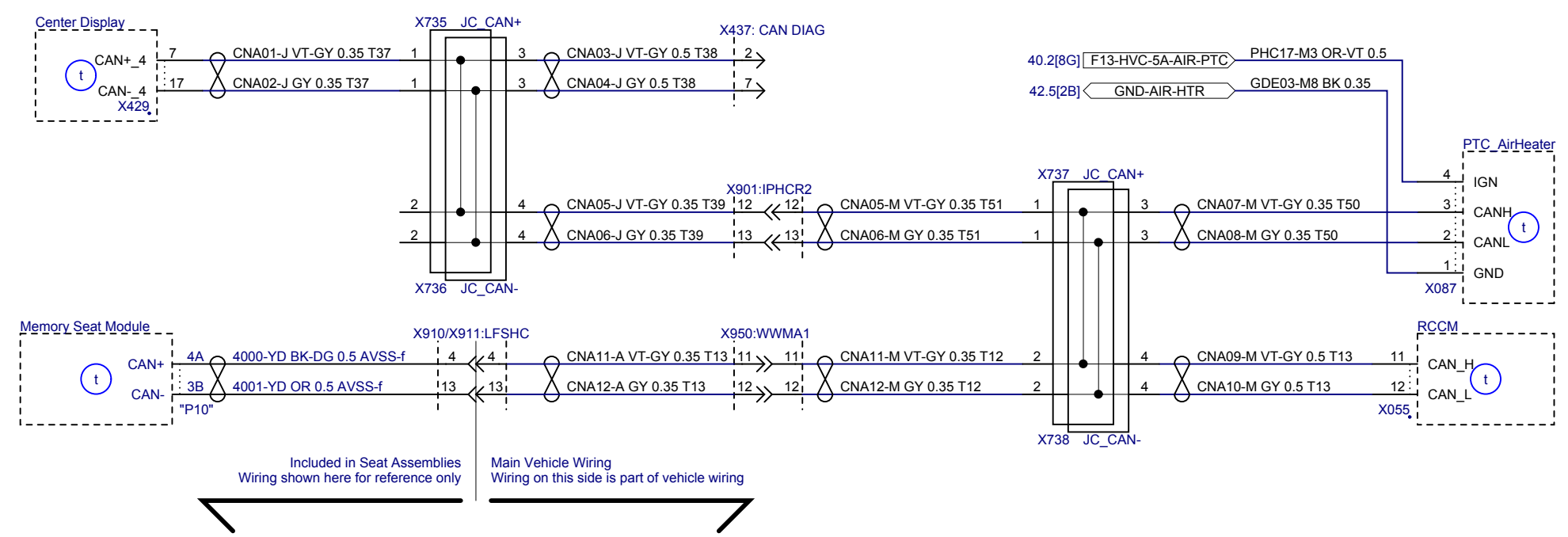
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5
SHEET NAME: Body CAN Network		
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 5/29/2014
DO NOT SCALE DRAWING		SHEET 36.1

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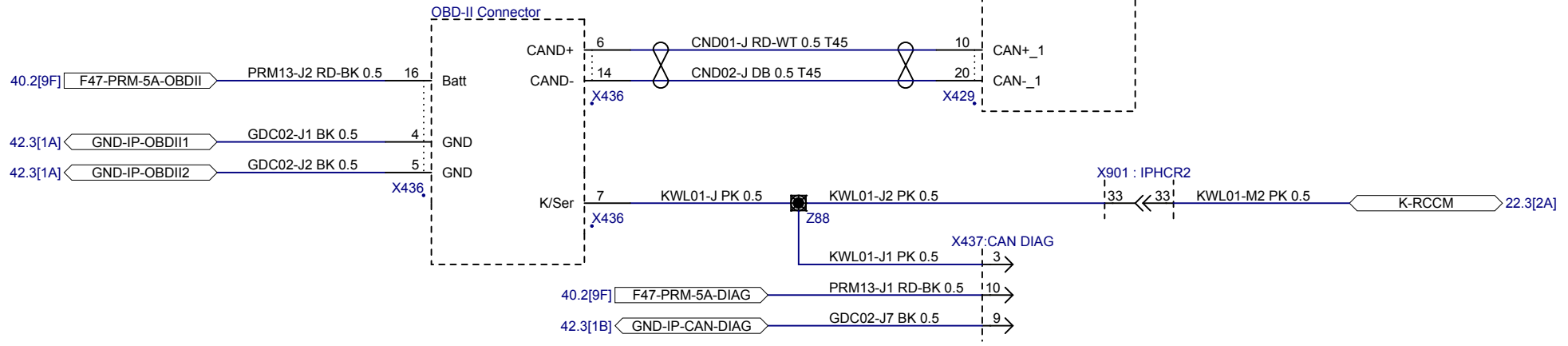
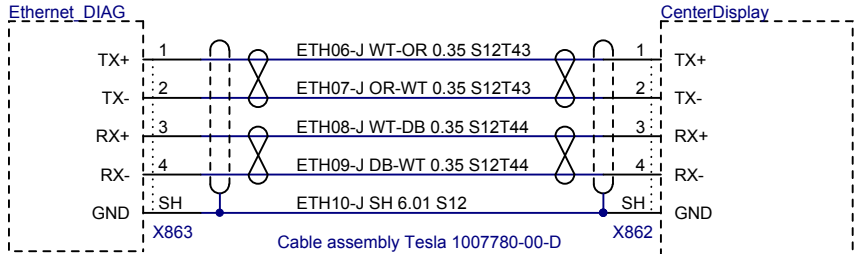
Included in Seat Assemblies
Wiring shown here for reference only

Main Vehicle Wiring
Wiring on this side is part of vehicle wiring

TESLA

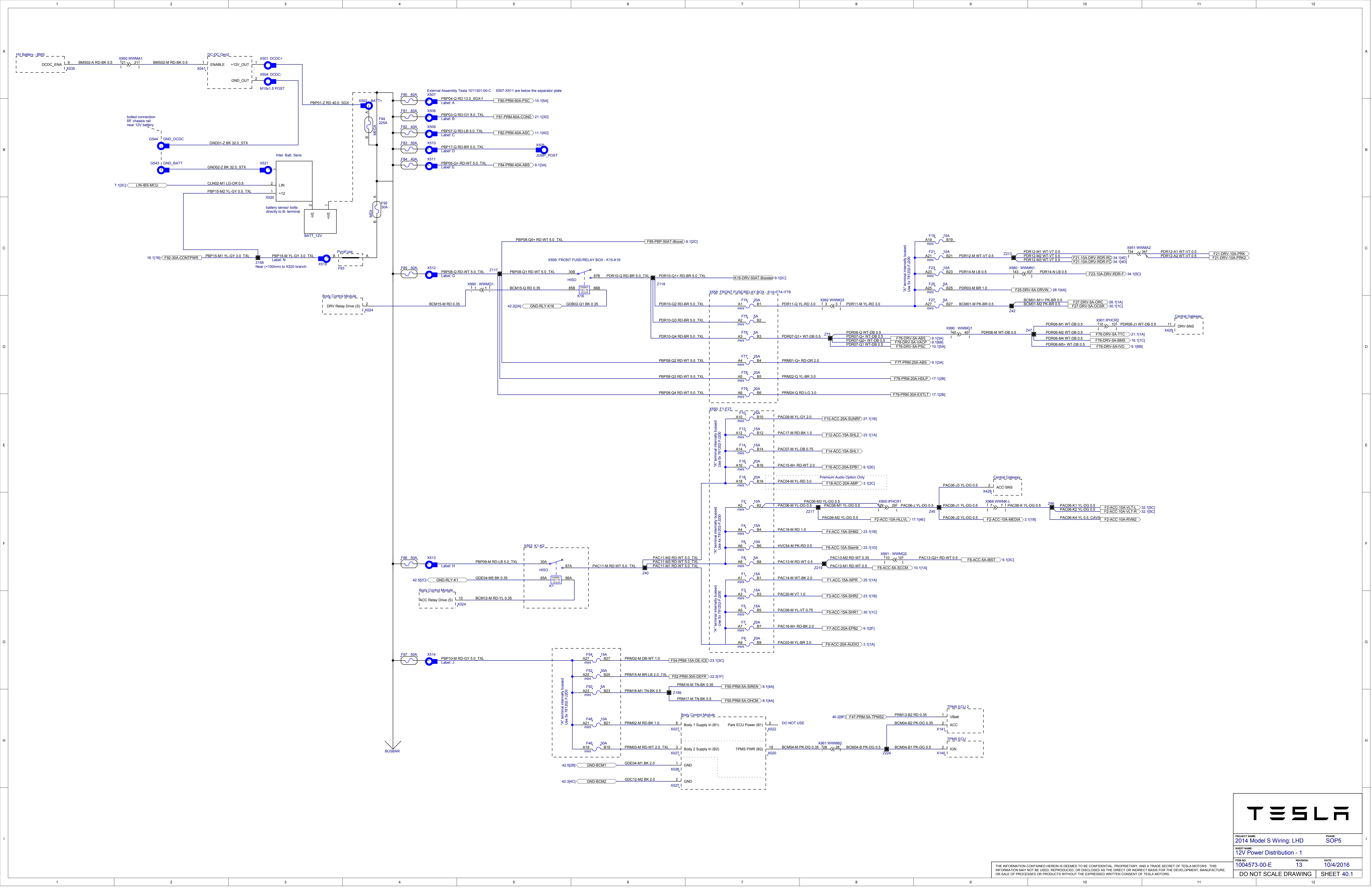
PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP5
SHEET NAME: Body FT CAN Network	
ITEM NO. 1004573-00-E	REVISION: 13
DATE: 11/21/2014	
DO NOT SCALE DRAWING	SHEET 37.1

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PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5	
SHEET NAME: Vehicle Diagnostic Connections			
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 12/5/2014	
DO NOT SCALE		SHEET 39.1	

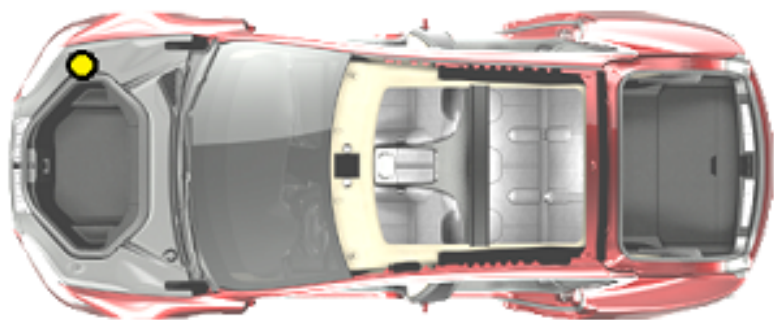
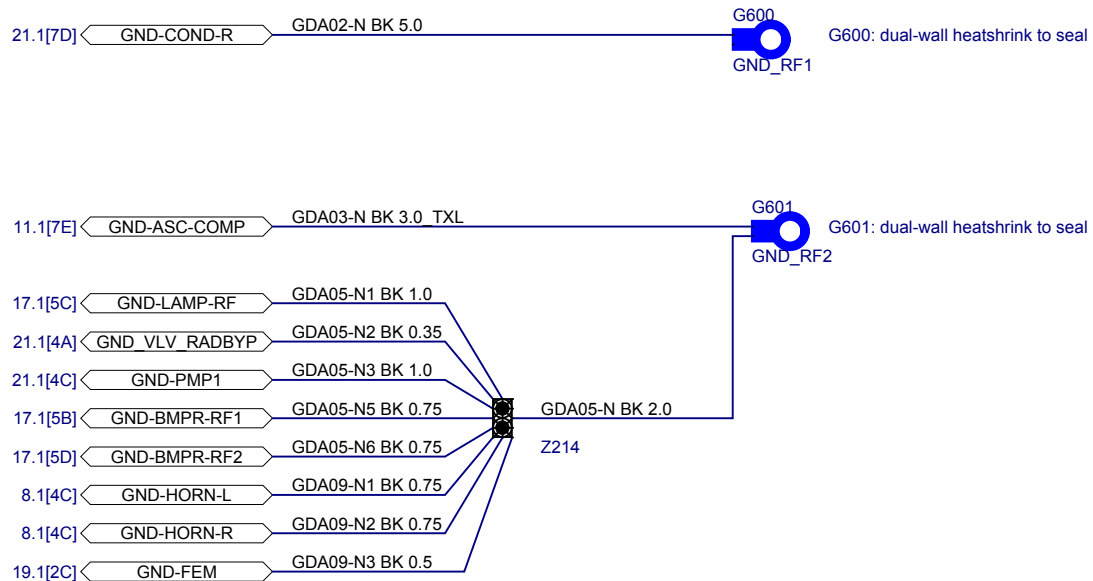
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP5
SHEET NAME: 12V Power Distribution - 1	REVISION: 13
DATE: 10/4/2016	DATE: 10/4/2016
DO NOT SCALE DRAWING	SHEET 40.1

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RF Ground Point - Forward of Wheel



TESLA

PROJECT NAME:
2014 Model S Wiring: LHD

PHASE:
SOP5

SHEET NAME:
Ground Distribution - Right Front

ITEM NO.
1004573-00-E

REVISION:
13

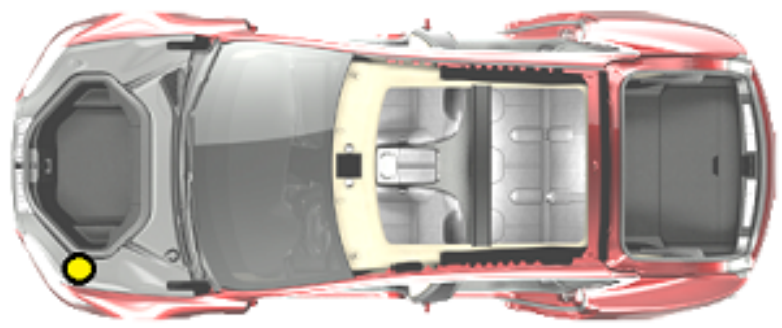
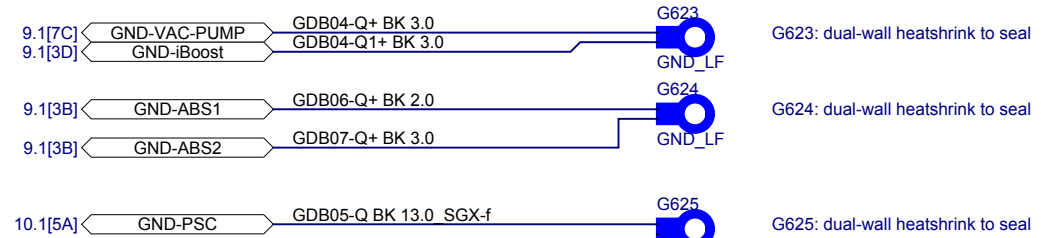
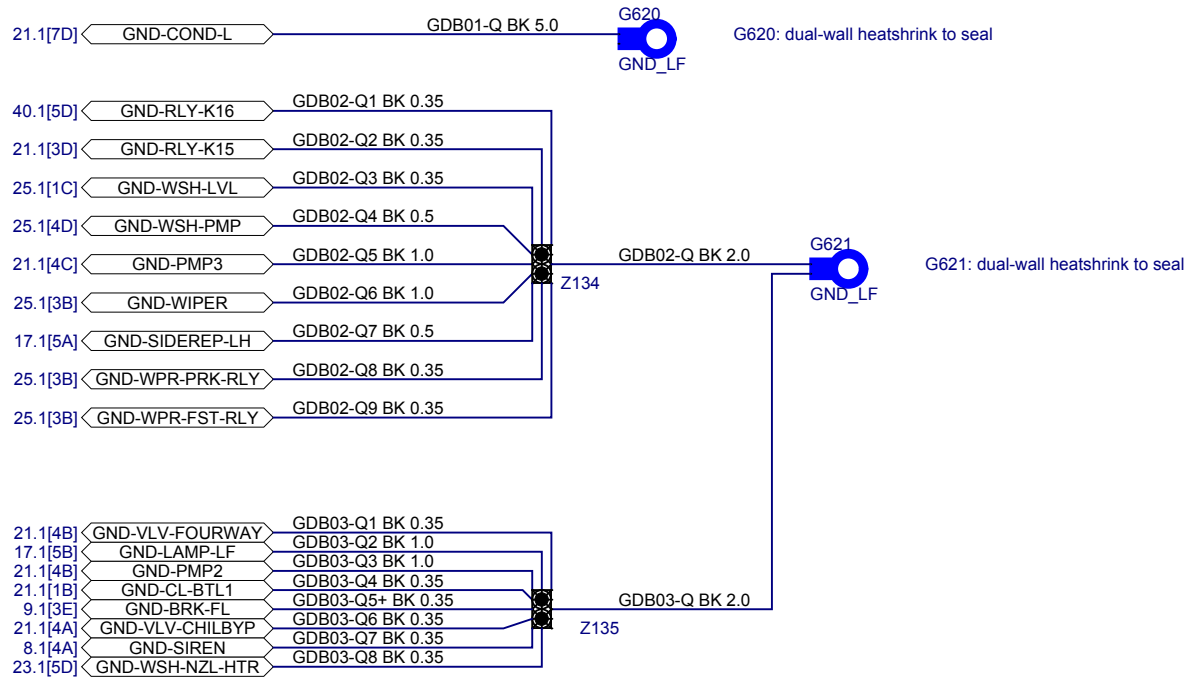
DATE:
5/29/2014

DO NOT SCALE

SHEET 42.1

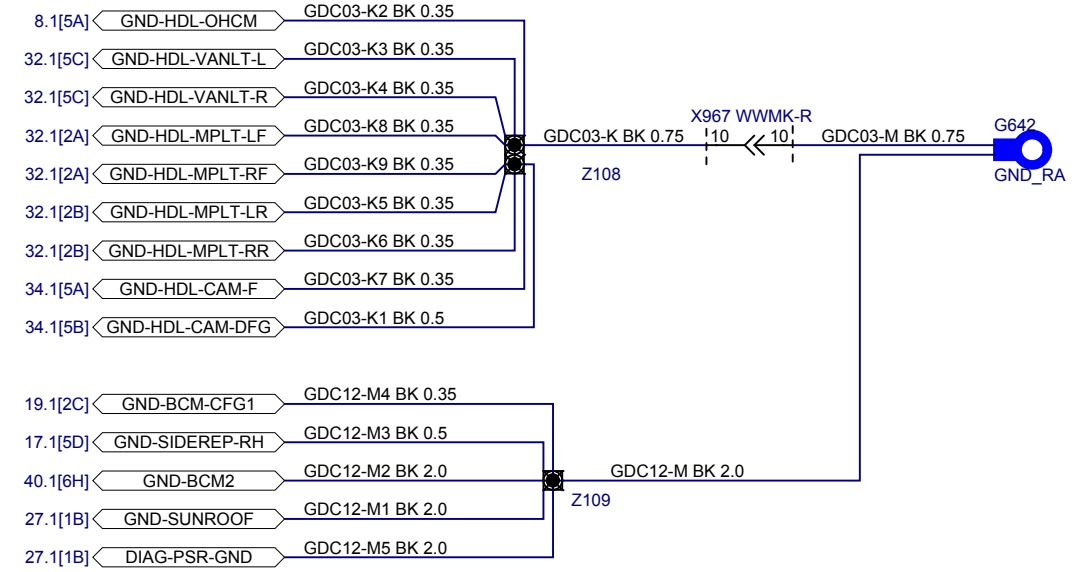
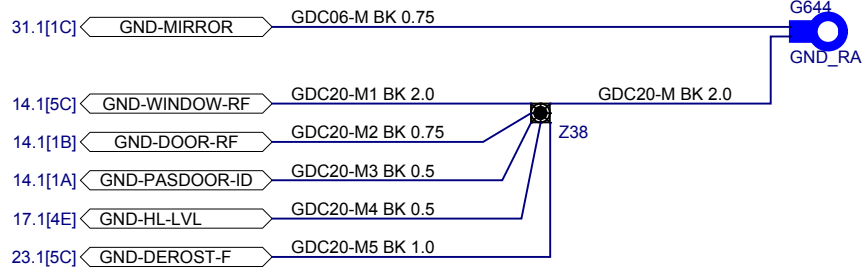
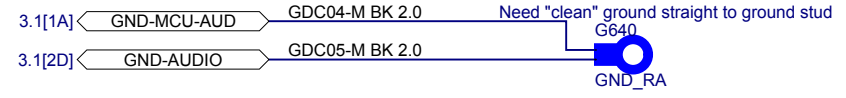
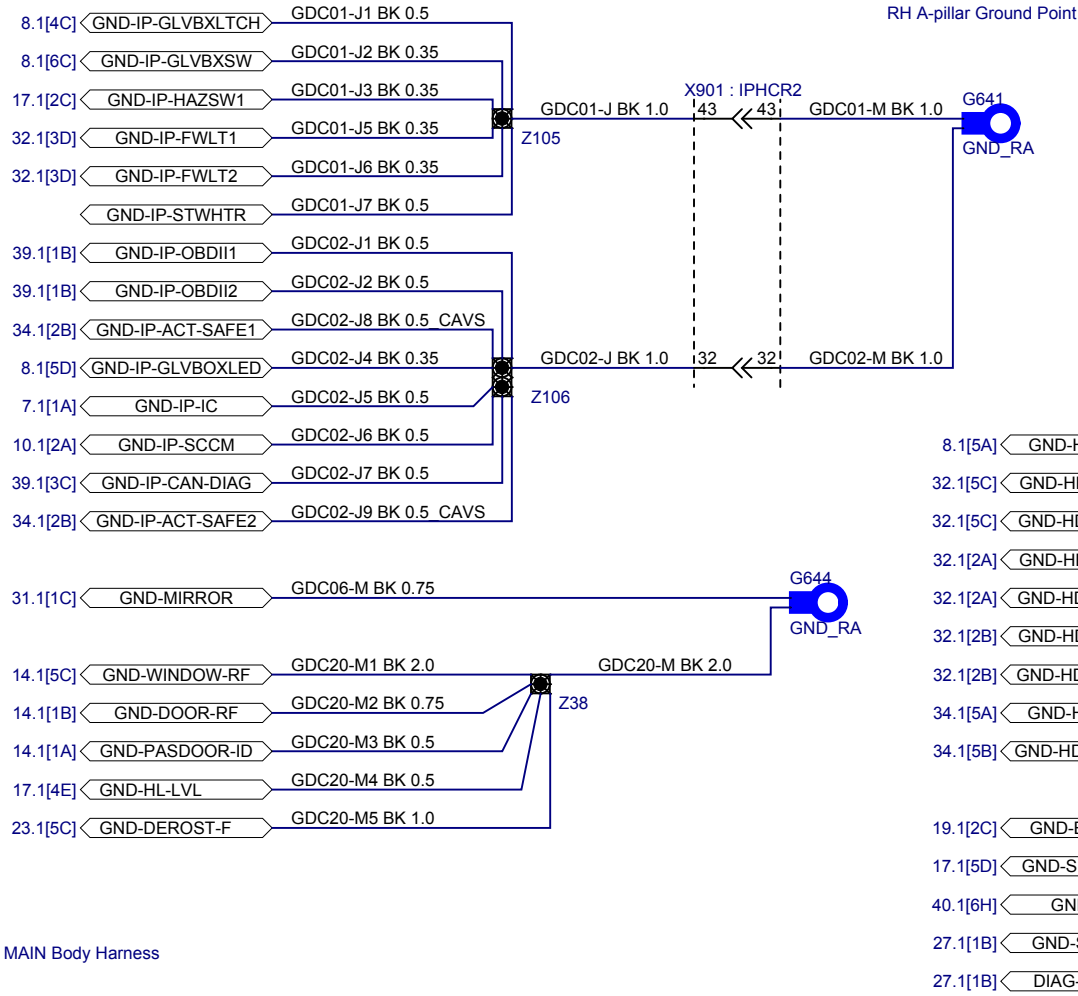
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

LF Ground Point - Forward of Wheel

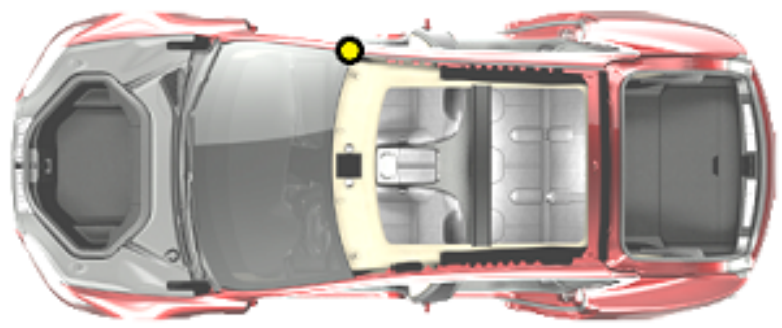


PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5	
SHEET NAME: Ground Distribution - Left Front			
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 5/29/2014	
DO NOT SCALE		SHEET 42.2	

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MAIN Body Harness



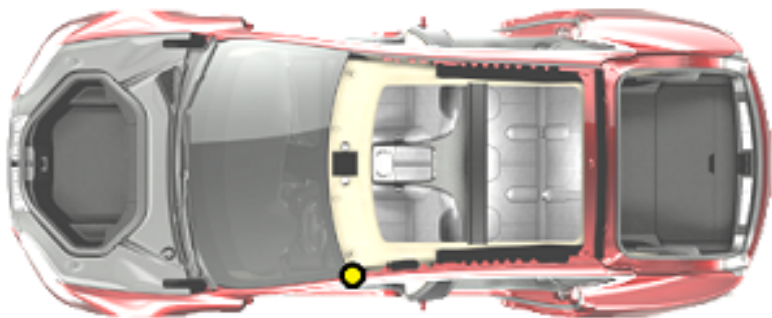
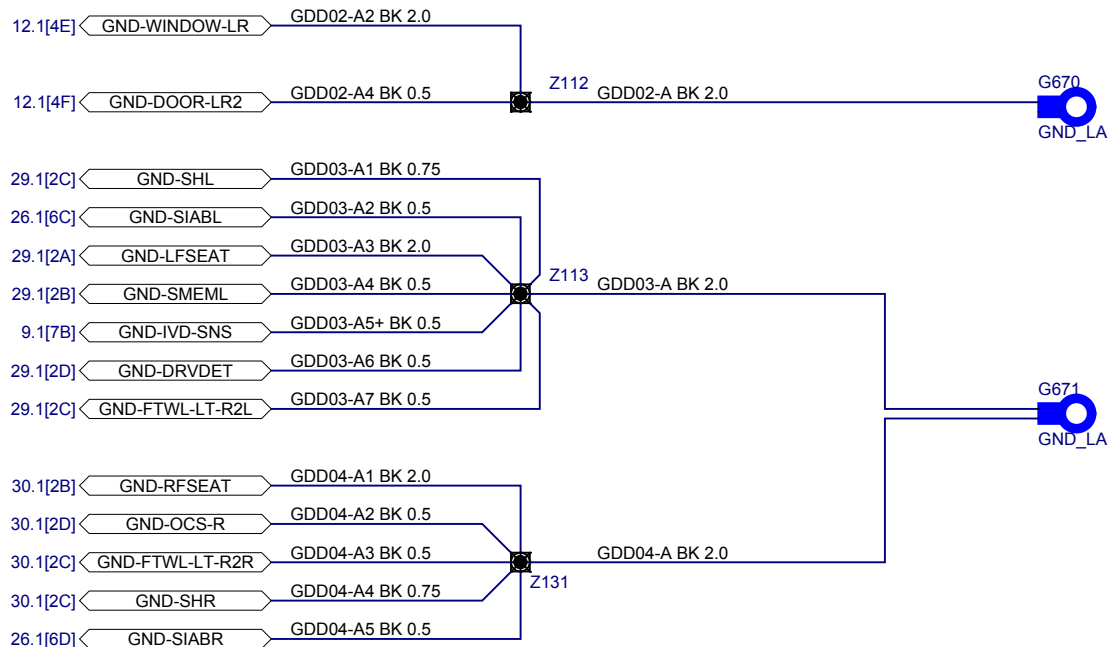
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5	
SHEET NAME: Ground Distribution - RHS A-Pillar			
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 8/14/2014	
DO NOT SCALE		SHEET 42.3	

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LH A-pillar Ground Point

MAIN Body Harness

LEFT Body Harness



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5

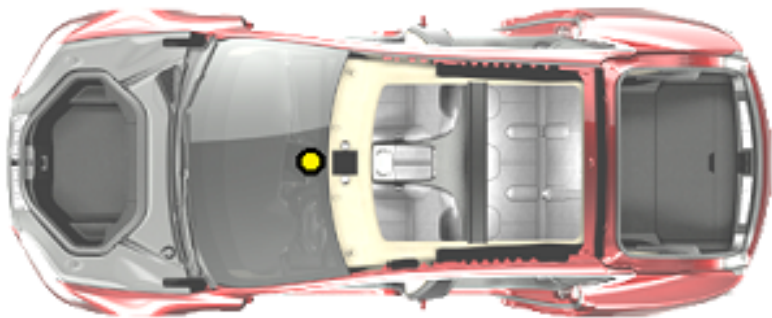
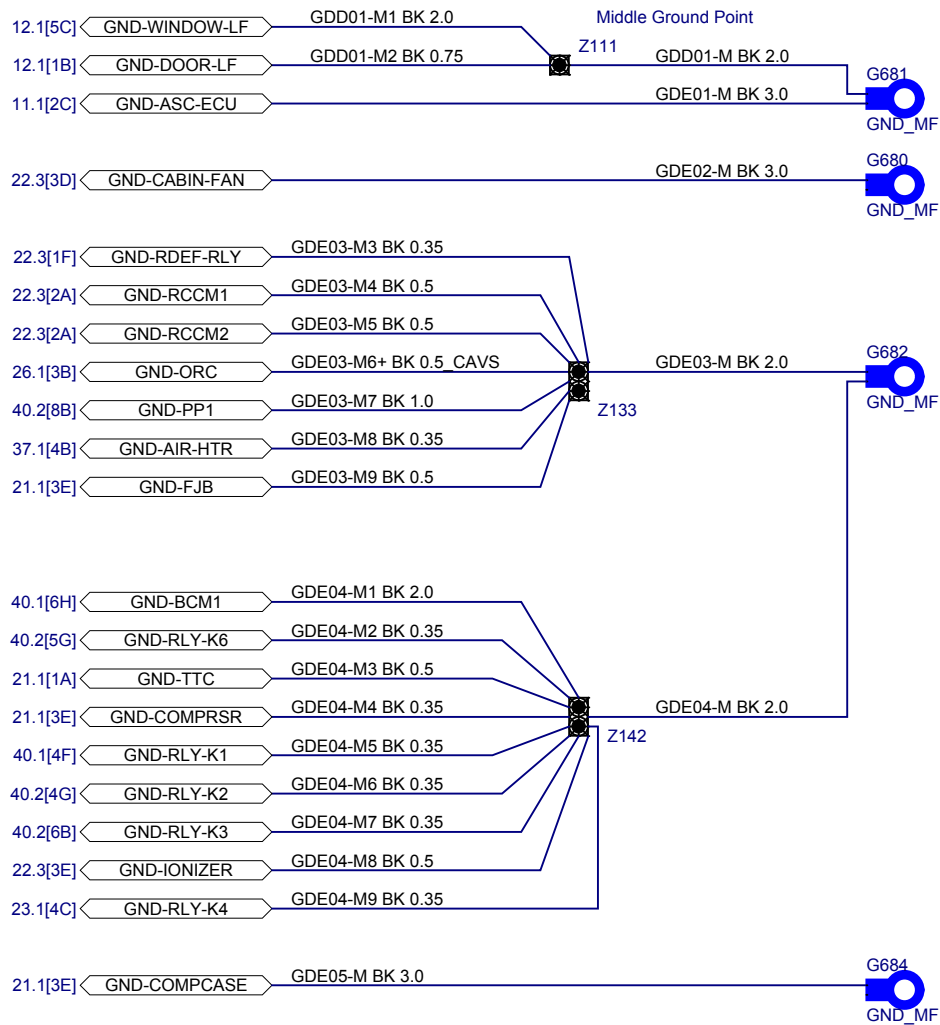
SHEET NAME: Ground Distribution - LHS A-pillar

ITEM NO. 1004573-00-E REVISION: 13 DATE: 8/14/2014

DO NOT SCALE

SHEET 42.4

THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5

SHEET NAME: Ground Distribution - Lower Center Stack

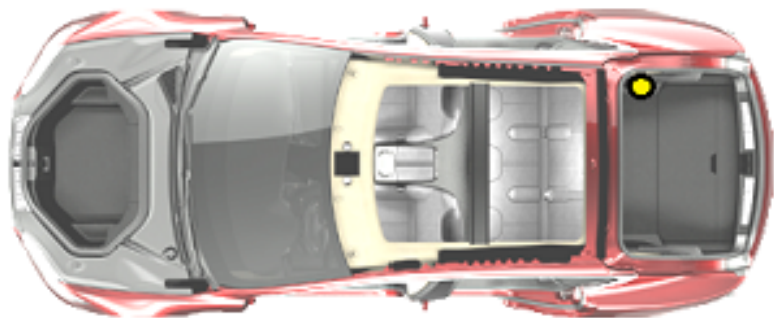
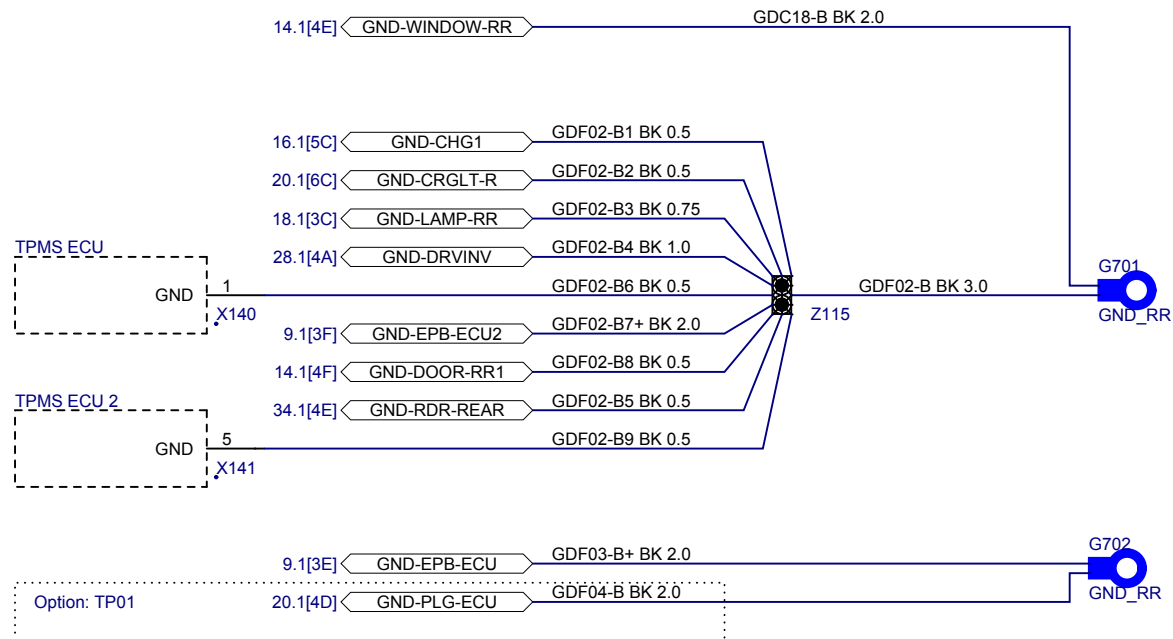
ITEM NO. 1004573-00-E REVISION: 13 DATE: 10/7/2016

DO NOT SCALE

SHEET 42.5

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RR Ground Point - Behind Wheel



TESLA

PROJECT NAME:
2014 Model S Wiring: LHD

PHASE:
SOP5

SHEET NAME:
Ground Distribution - Right Rear

ITEM NO.
1004573-00-E

REVISION:
13

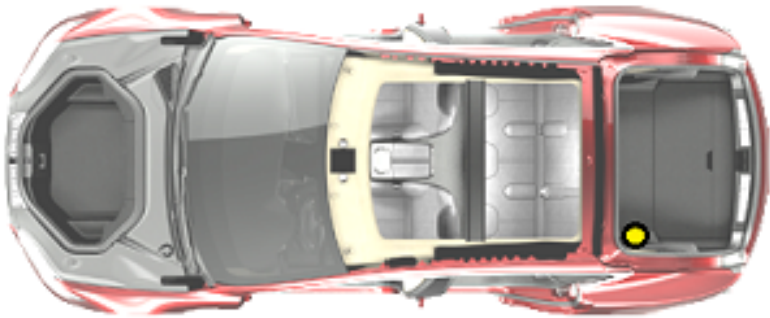
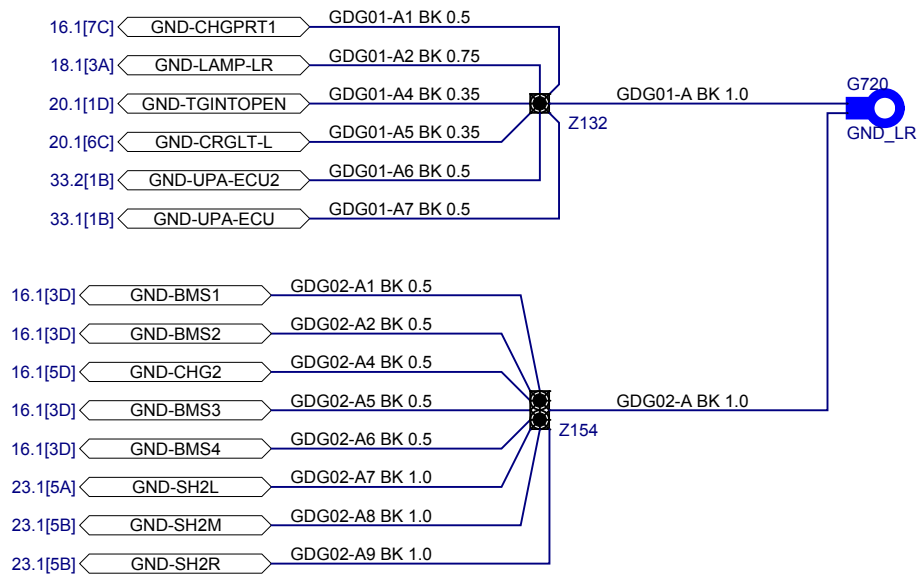
DATE:
12/5/2014

DO NOT SCALE

SHEET 42.6

THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

LR Ground Point - Behind Wheel



PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5

SHEET NAME: Ground Distribution - Left Rear

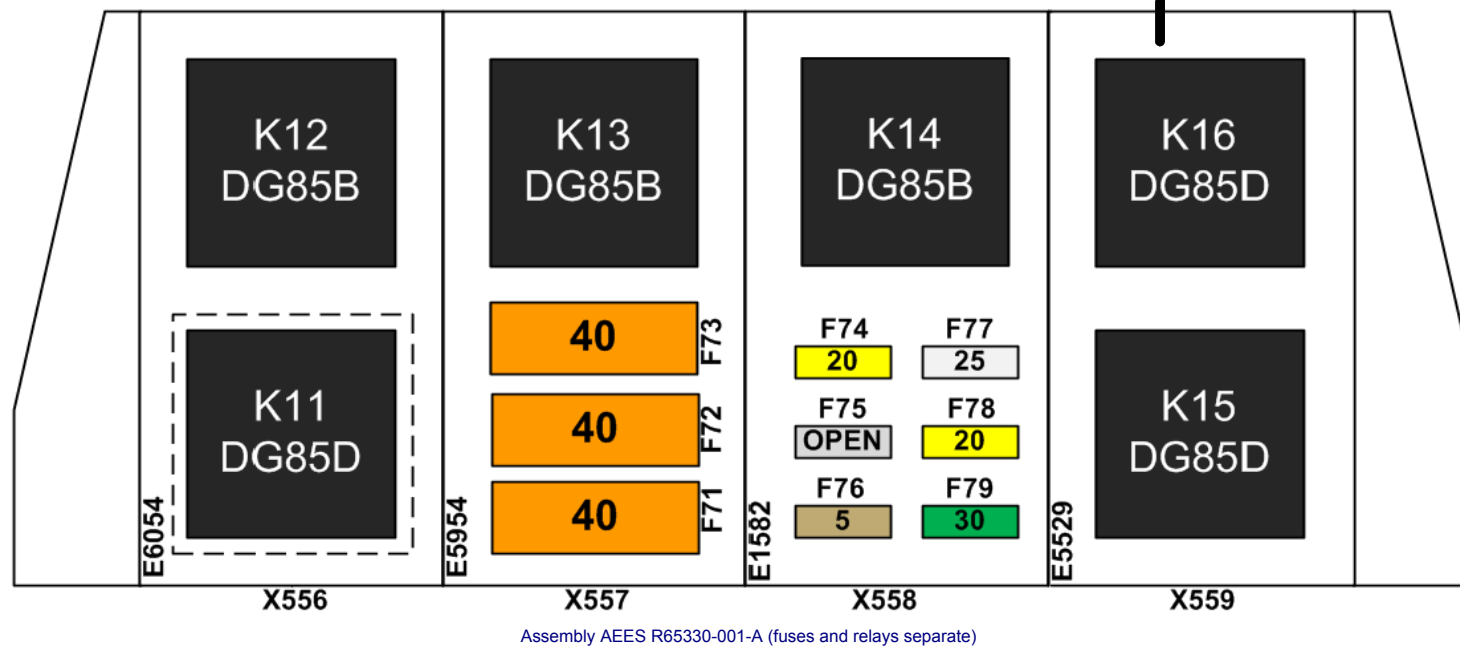
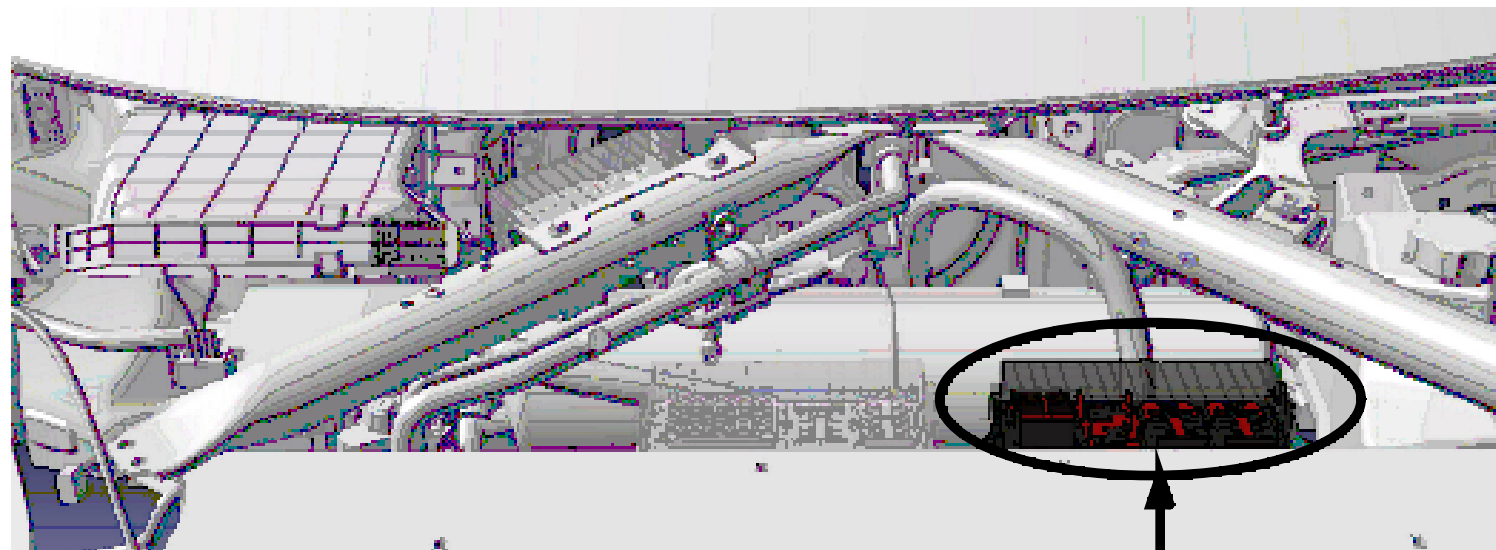
ITEM NO. 1004573-00-E REVISION: 13 DATE: 8/14/2014

DO NOT SCALE

SHEET 42.7

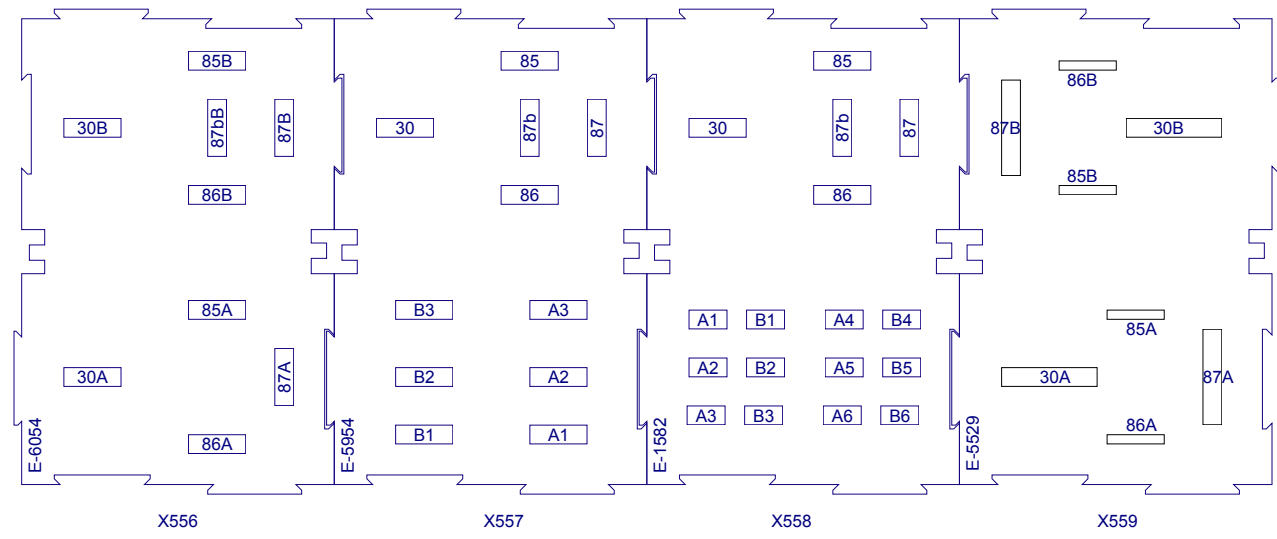
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Des. Function	Option
F71 Condenser Fan, Left	ALL
F72 Condenser Fan, Right	ALL
F73 Brake Assist (Vac.Pump/iBoost)	ALL
F74 12V Drive Rail, Cabin	ALL
F75 not used	
F76 Ignition Sense	ALL
F77 Stability Control Valves	ALL
F78 Headlight Dip/Main Beam	ALL
F79 Lighting (Exterior/Interior)	ALL
K11 Air Suspension Compressor	ASC
K12 Vacuum Pump	ALL
K13 Wiper Fast Function	ALL
K14 Wiper Park Function	ALL
K15 Condenser Fan Power	ALL
K16 Drive Switched Power	ALL



4-Module Top Cover
AssemblyLocation: Tesla

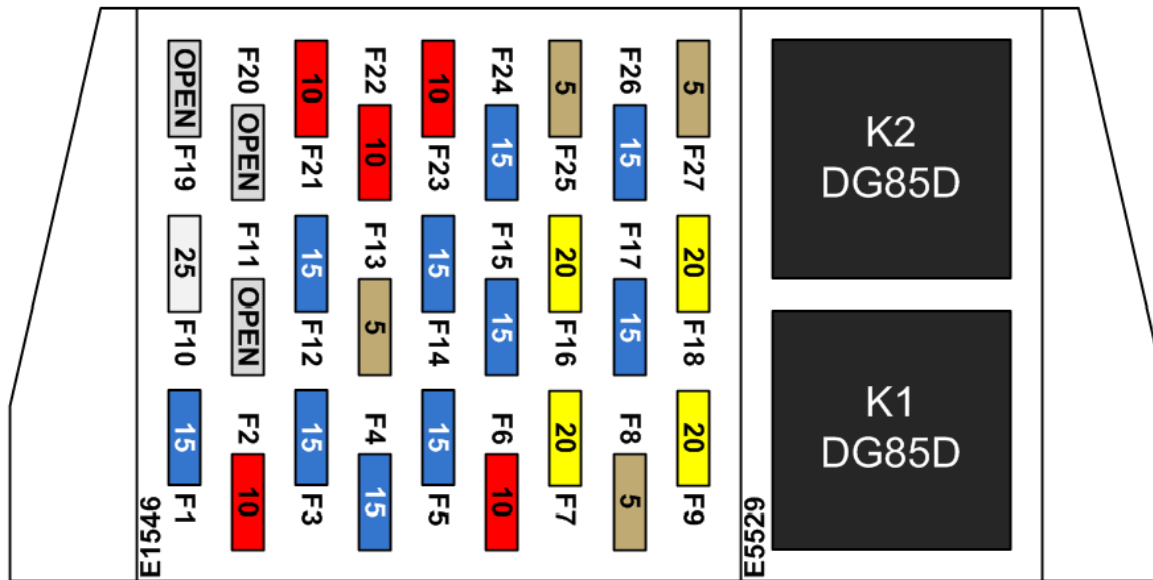
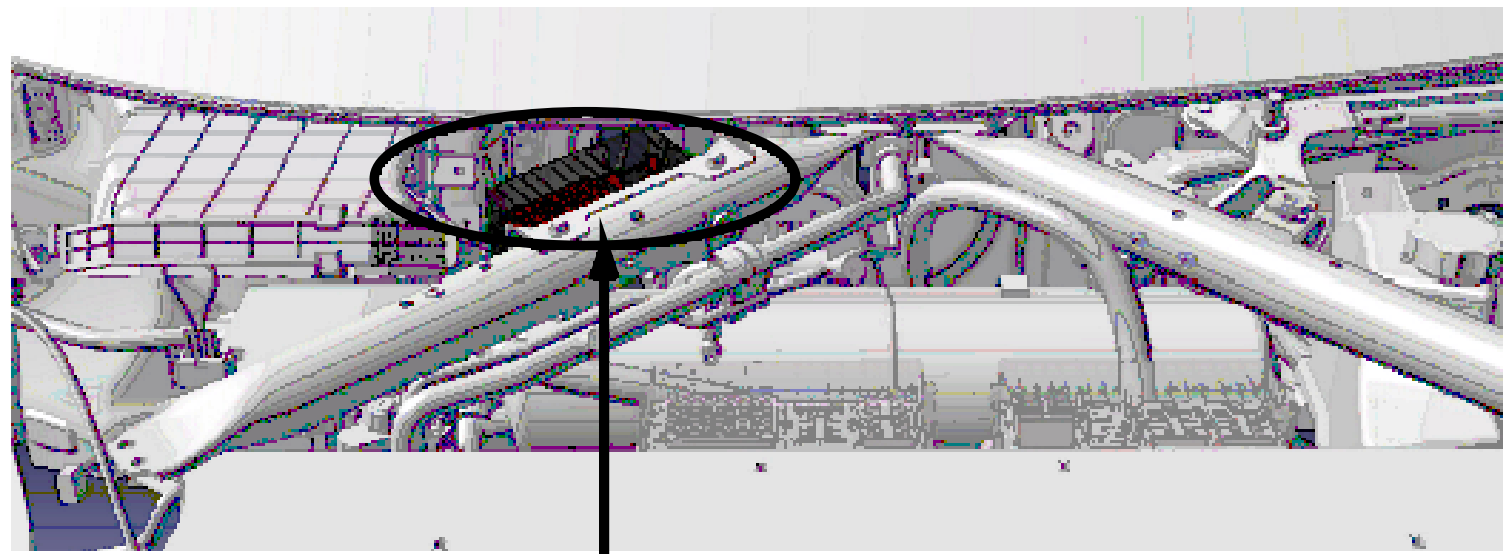
4-Module Bottom Cover
AssemblyLocation: Yazaki



PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP5
SHEET NAME: Front Fusebox Layout	
ITEM NO. 1004573-00-E	REVISION: 13
DATE: 10/4/2016	
DO NOT SCALE DRAWING	SHEET 44.1

THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

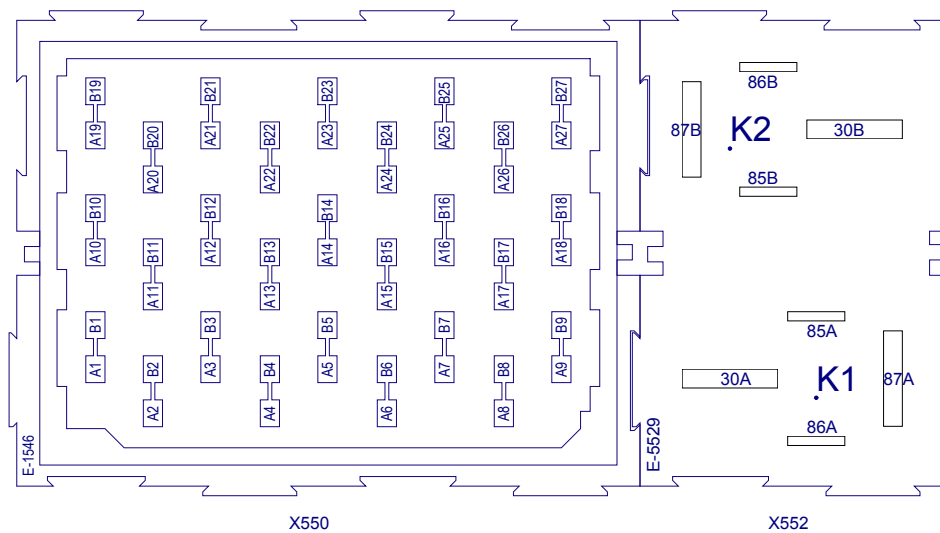
Des. Function	Option
F1 Wiper Park	ALL
F2 Headlamp leveling, Vanity Lights	ALL
F3 Seat Heater, Second Row Right	CW01
F4 Seat Heater, Second Row Middle	CW01
F5 Seat Heater, First Row Right	ALL
F6 not used	
F7 Electronic Park Brake, Redundant	ALL
F8 Steering Column Module	ALL
F9 Base Audio System	ALL
F10 Panoramic Sunroof	RFPO
F11 not used	
F12 Seat Heater, Second Row Left	CW01
F13 Cabin HVAC Functions	ALL
F14 Seat Heater, First Row Left	ALL
F15 not used	
F16 Electronic Park Brake, Primary	ALL
F17 Coolant Pump 2	ALL
F18 Premium Audio Amplifier	AU01
F19 not used	
F20 not used	
F21 Park Assist	PK01
F22 Thermal System Controls	ALL
F23 not used	
F24 Coolant Pump 3	ALL
F25 Drive Inverter	ALL
F26 Coolant Pump 1	ALL
F27 Restraints Control Module	ALL
K1 ACC Power Switch	ALL
K2 HVAC Power Switch	ALL



3-Module Top Cover
AssemblyLocation: Tesla
Y1

3-Module Bottom Cover
AssemblyLocation: Yazaki
Y2

Assembly AEES R65328-001-A (fuses and relays separate)



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP5

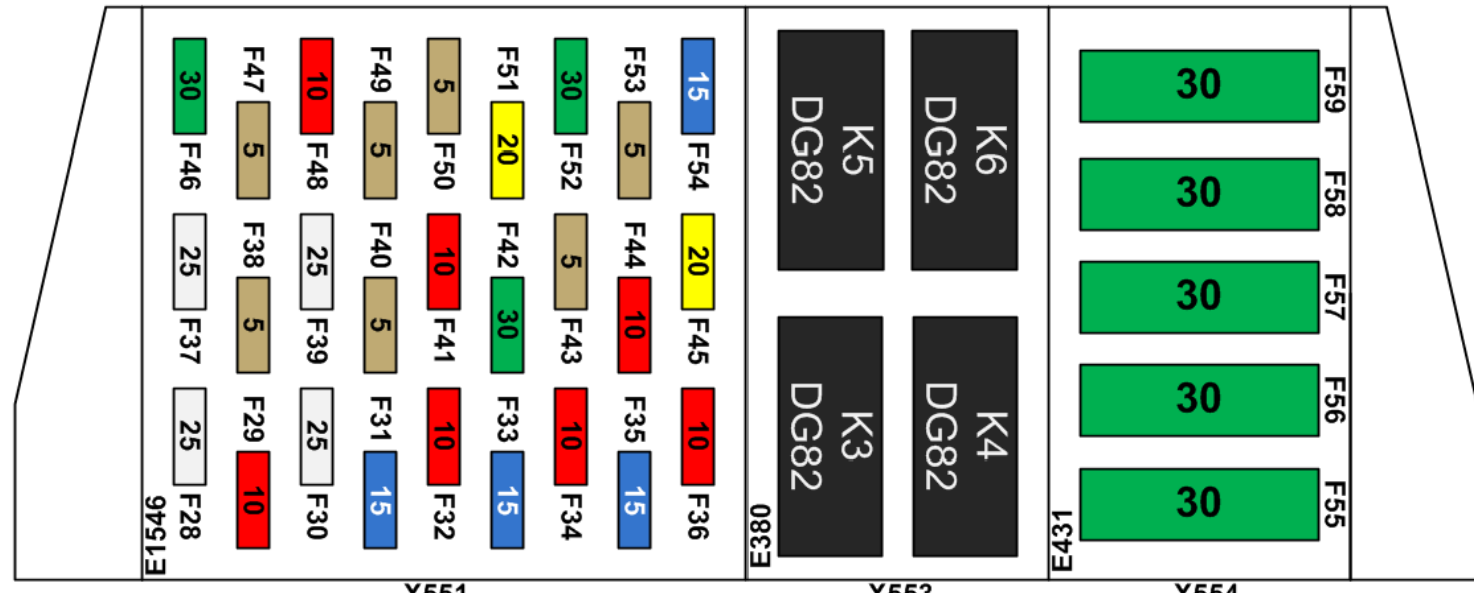
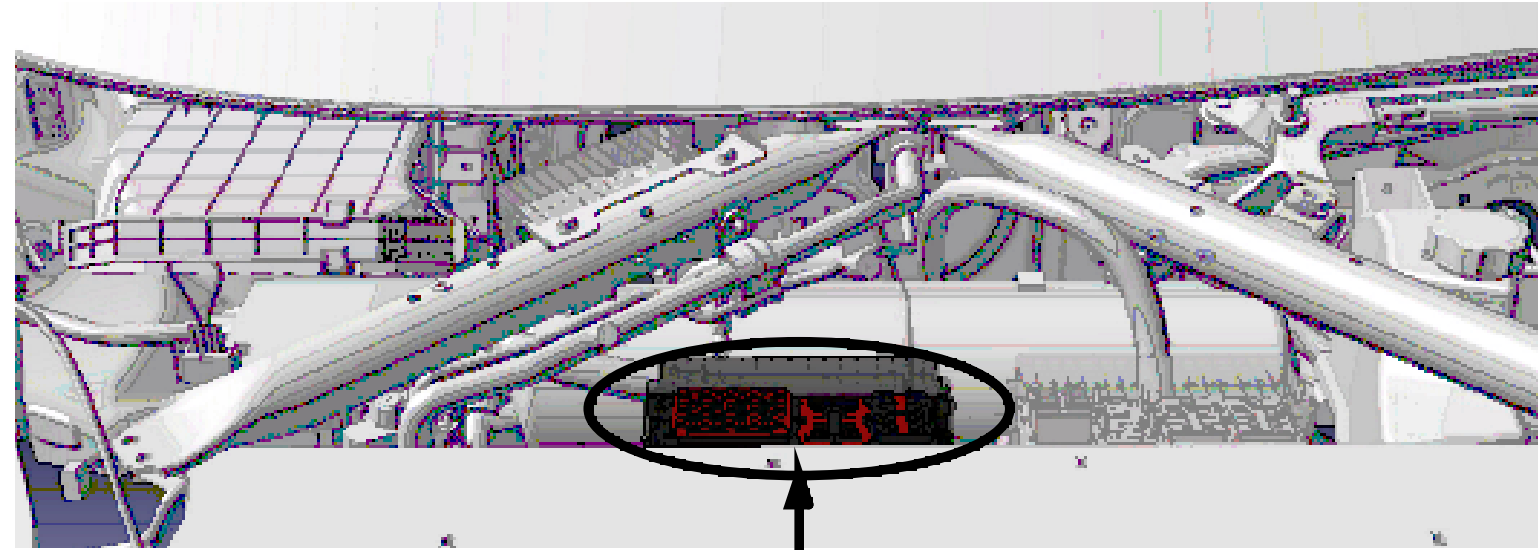
SHEET NAME: "Cabin" Fusebox 1 Layout

ITEM NO. 1004573-00-E REVISION: 13 DATE: 11/21/2014

DO NOT SCALE DRAWING SHEET 44.2

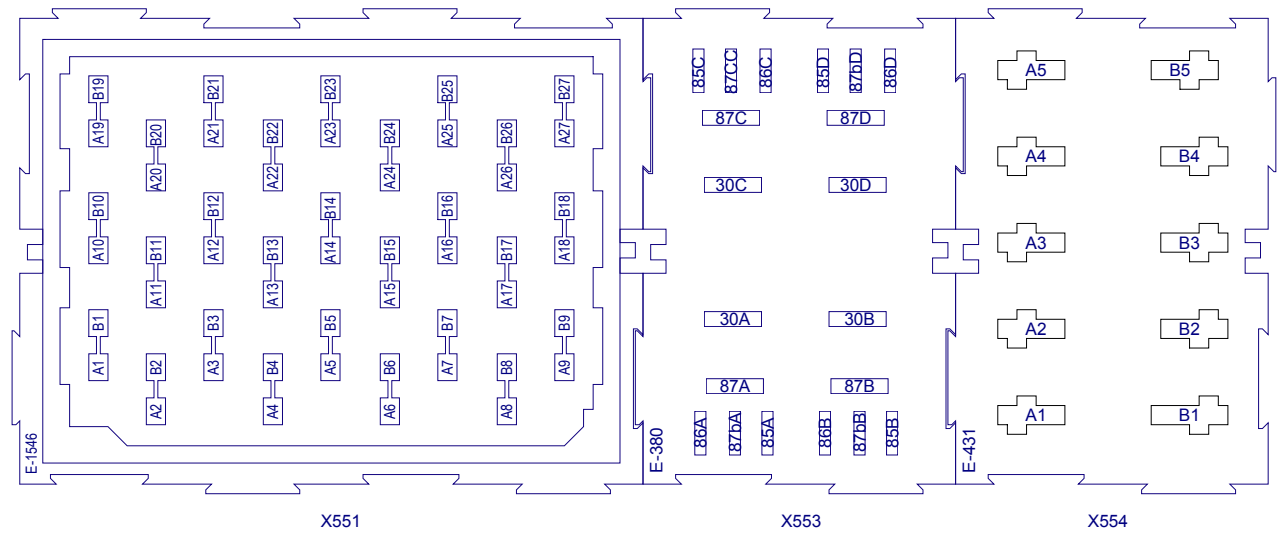
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Des. Function	Option
F28 Window Lift Motor, Right Rear	ALL
F29 Contactor Power	ALL
F30 Window Lift Motor, Right Front	ALL
F31 Forward Camera / Active Safety	NCAP/DSS
F32 Door Controls, Right Side	ALL
F33 12V Accessory Spare	ALL
F34 Forward Camera Defog	NCAP/DSS
F35 12V Accessory Outlet	ALL
F36 Air Suspension Control, Valves	ASC
F37 Window Lift Motor, Left Rear	ALL
F38 Driver's Seat Memory	ALL
F39 Window Lift Motor, Left Front	ALL
F40 Rear Door Handles	ALL
F41 Door Controls, Left Side	ALL
F42 Power Liftgate	PLG
F43 Perm. Power Sense, Brake Sw.	ALL
F44 Chargers, Charge Port	ALL
F45 Passive Entry, Horns, Security	ALL
F46 Body Controls, Group 2	ALL
F47 Glove Box Light, OBD-II	ALL
F48 Body Controls, Group 1	ALL
F49 Instrument Cluster	ALL
F50 Siren, Intrusion/Tilt Sensor	ALL
F51 Center Display	ALL
F52 Rear Window Defrost Grid	ALL
F53 Battery Management System	ALL
F54 Wiper De-Icer	ALL
F55 Left Front Seat Adjust Motor	ALL
F56 Right Front Seat Adjust Motor	ALL
F57 Cabin Fan	ALL
F58 12V Outlet/Forward Camera Sub.	ALL
F59 HVAC2 Power	ALL
K3 12V Outlet Switch	ALL
K4 Wiper De-Ice	CW01
K5 Rear Defrost Grid	ALL
K6 HVAC2 Power switch	ALL



4-Module Top Cover
AssemblyLocation: Tesla

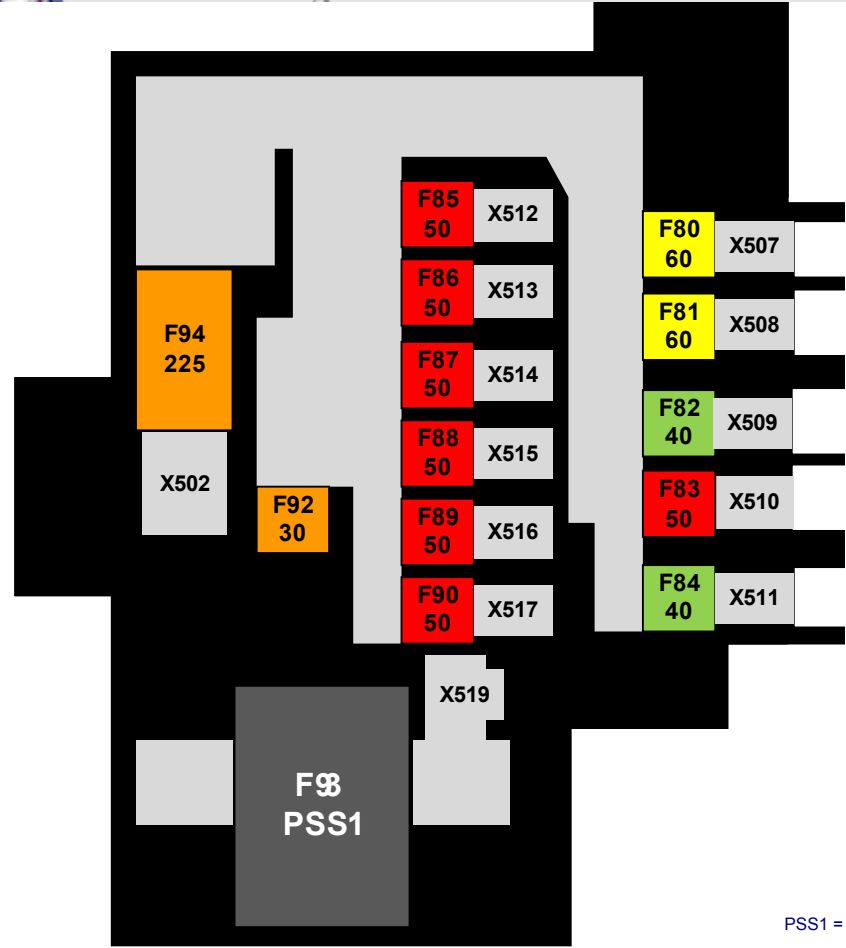
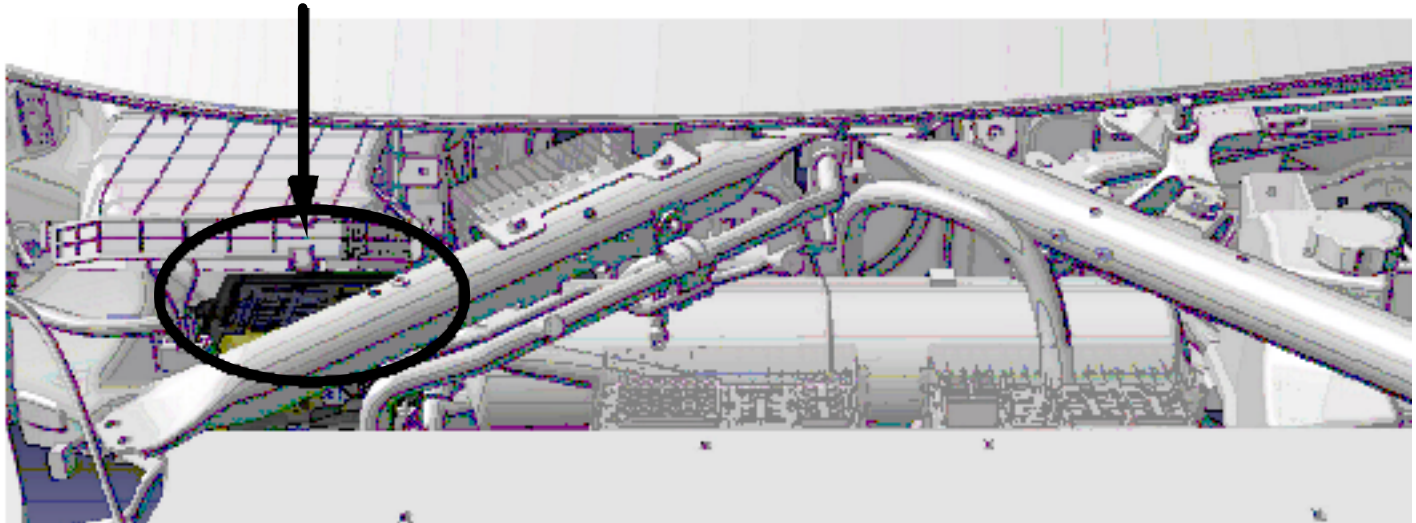
4-Module Bottom Cover
AssemblyLocation: Yazaki



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP5
SHEET NAME: "Cabin" Fusebox 2 Layout	
ITEM NO. 1004573-00-E	REVISION: 13
DATE: 6/30/2014	
DO NOT SCALE DRAWING	SHEET 44.2

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Loc.	Description / Function	Type	Des.
F80	Power Steering	MIDI	X507
F81	Condenser Fans Master Fuse	MIDI	X508
F82	Air Suspension Compressor	MIDI	X509
F83	Jump Post	MIDI	X510
F84	ABS Motor	MIDI	X511
F85	Drive 12V Power Master Fuse	MIDI	X512
F86	ACC 12V Bus Master Fuse	MIDI	X513
F87	Permanent Power Group 1	MIDI	X514
F88	Permanent Power Group 2	MIDI	X515
F89	Permanent Power Group 3	MIDI	X516
F90	HVAC 12V Bus Master Fuse	MIDI	X517
F92	Contactor Power	MIDI	X503
F93	BDS: Contactor Power Cutoff	PSS1	X519
F94	Battery-DCDC Master Fuse	MEGA	X502



PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP5	
SHEET NAME: Battery-Mounted Fusebox Layout			
ITEM NO. 1004573-00-E	REVISION: 13	DATE: 5/29/2014	
DO NOT SCALE		SHEET 44.4	

PSS1 = TPN 1004635-00-A

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