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Table 1: Abbreviations

LF	Left Front	RF	Right Front
LR	Left Rear	RR	Right Rear
LHS	Left-Hand Side	RHS	Right-Hand Side

Table 2: Harness Designators

A	LH BODY	Q	PARCEL SHELF
B	RH BODY	R	LH RR DOOR
C	CENTER CONSOLE	S	RH RR DOOR
D	LH FR DOOR	T	LIFT GATE
F	FR FASCIA	U	THERMAL
G	RR FASCIA	V	GLASS
H	HV PENTHOUSE	W	FRUNK
J	IP	X	REAR SUBFRAME
K	HEADLINER	Y	FRONT SEATS
L	FRONT END MODULE		
N	FRONT SUBFRAME		
P	RH FR DOOR		

Table 3: Wire Color Designators

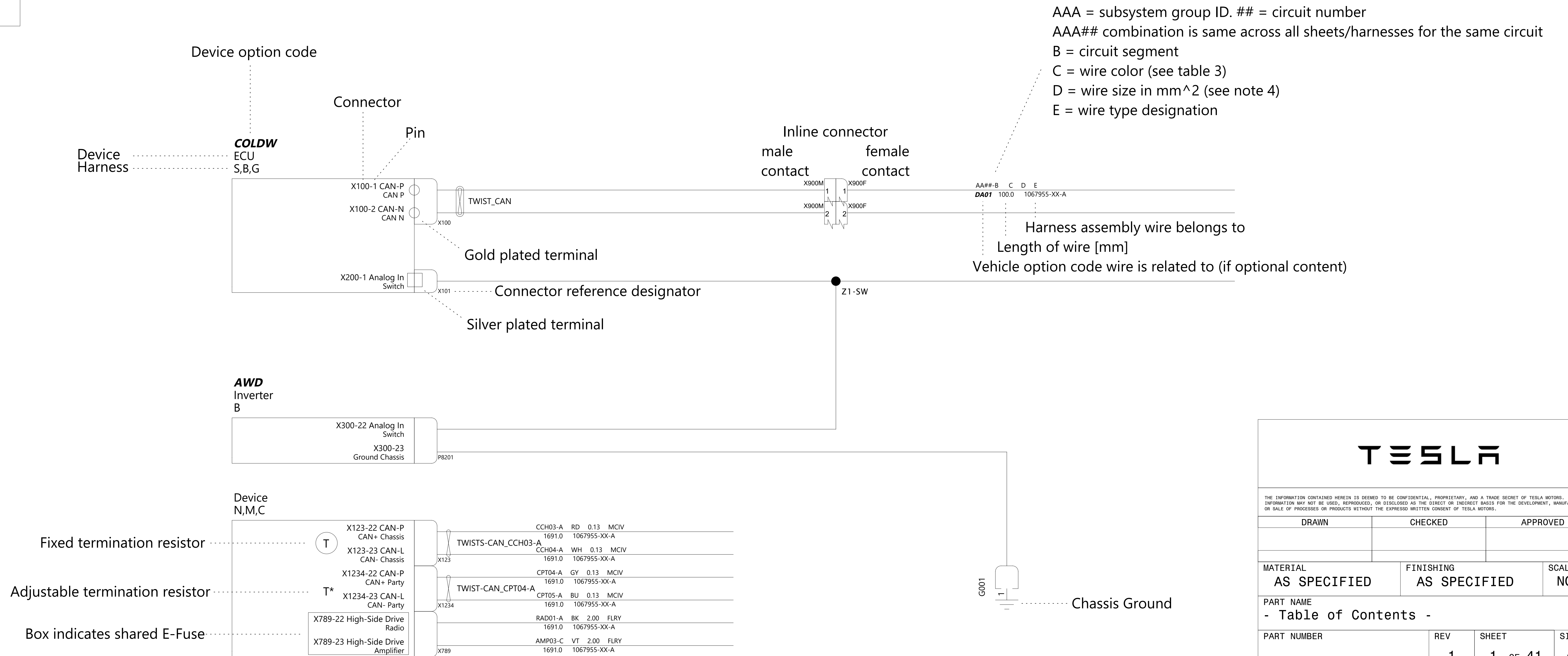
BK	Black	OG	Orange
BN	Brown	RD	Red
BU	Blue	VT	Violet (Purple)
GN	Green	WH	White
GY	Gray	YE	Yellow

Table 4: Wire Type Designators

FLRY	Thin wall 105C rated, regular stranded PVC insulated [FLRY-A]
FLRB	Thin wall 105C rated, bunched conductor PVC insulated [FLRY-B]
MCIV	Thin wall 105C rated, compressed conductor PVC (halogen free) insulated
XR15	Thin wall 150C rated, cross-linked polyolefin, high flexible
FLXB	Thin wall 125C rated, cross-linked polyolefin, high flexible, halogen free insulated
3TBL	Thick wall 105C rated, aluminum conductor PVC insulated

Table 5: Option Codes

DRIVR	Driver Seat
PASSN	Passenger Seat
LHST	Left side Seat
RHST	Right Side Seat
FOG	Fog Light
PCOLM	Power Steering Column
PAUDIO	Premium Audio
COLDW	Cold Weather Package
LHD	Left Hand Drive
AWD	All Wheel Drive
RWD	Rear Wheel Drive
PINLT	Premium Interior Lights
PMIRR	Premium Mirror with Powerfold
REEU	Region Europe
RENA	Region North America
CSUSP	Coil Suspension
PREMST	Premium Seat



General Notes:

- Switches [Relays] are shown in their inactive [de-energized] state.
- Splices may be split across pages for visual clarity with respect to the function displayed on the particular page.
- 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.
- Wire sizes are specified in mm² cross-sectional area (CSA) per SAE 1127/8
- Wire Specification: 60V, thin-wall PVC (ISO type or equivalent). Default wire type to be rated 60VDC/25VAC and -40C to 105C operating temperature. See DIN 13602 or ISO 6722 for detailed specifications.
- Unless otherwise specified at the device pins, terminal plating is to be Tin or Pre-Tin

TERMINAL PLATING

- GOLD TERMINAL NECESSARY
- SILVER PLATING NECESSARY

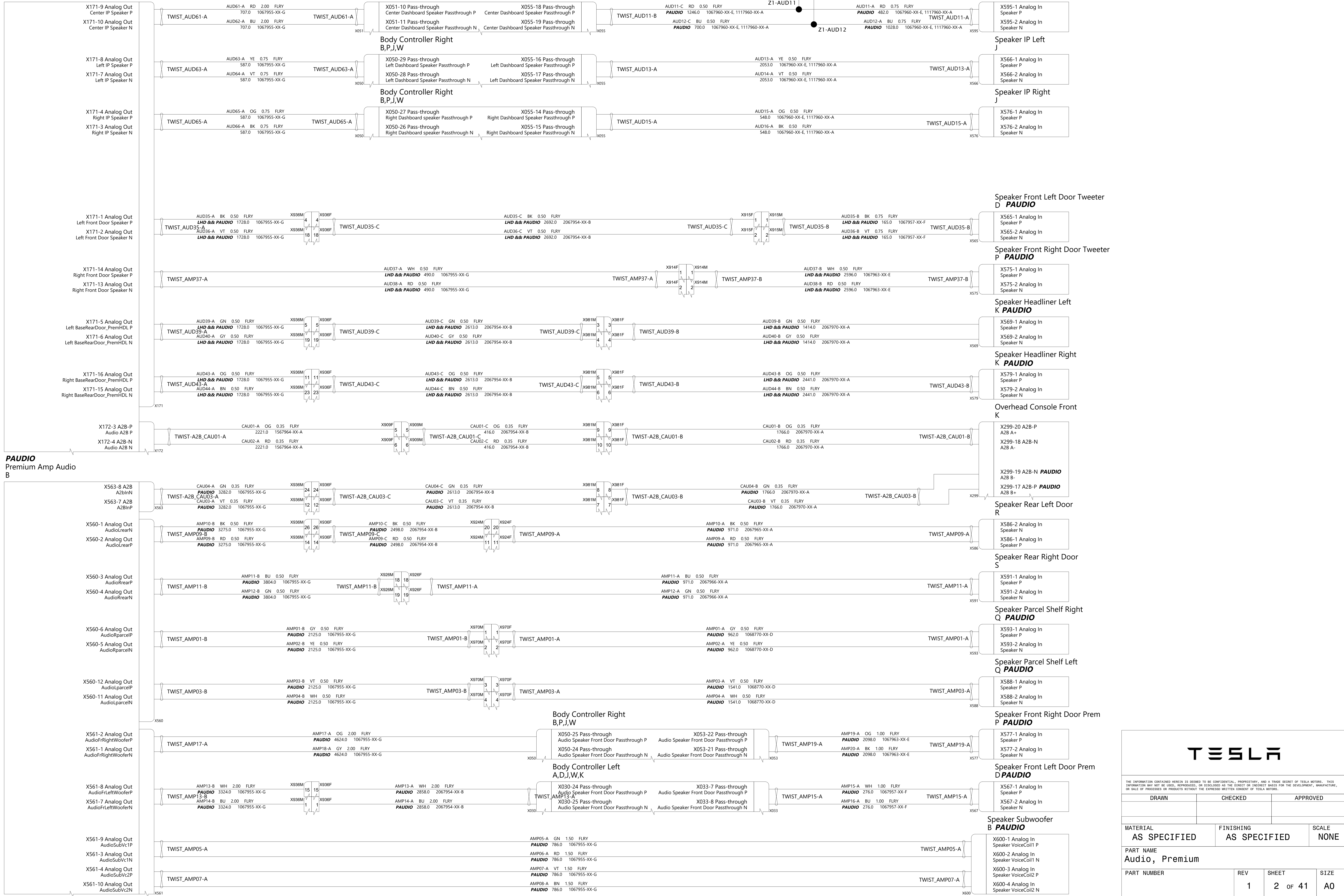
- Inline connector gender specification is based on the terminal type. Inline connectors with "M" suffix have male, tab or pin terminals. Inline connectors with "F" suffix have female, receptacle or socket terminals



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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE	
PART NAME - Table of Contents -			
PART NUMBER	REV	SHEET	SIZE
	1	1 OF 41	A0

MCU
W,B

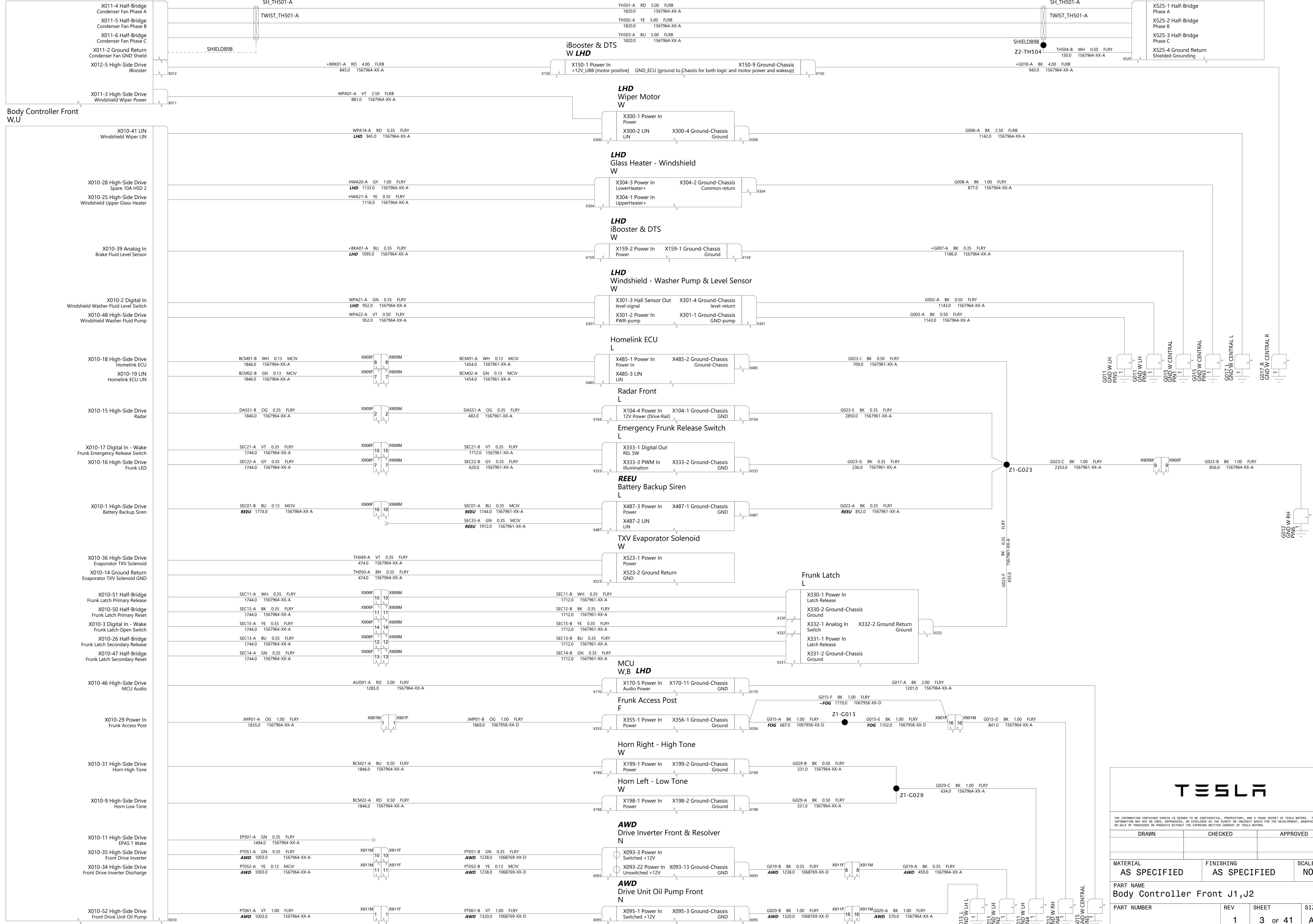


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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Audio, Premium		
PART NUMBER	REV	SHEET
	1	2 OF 41
		SIZE A0

Body Controller Front W,U

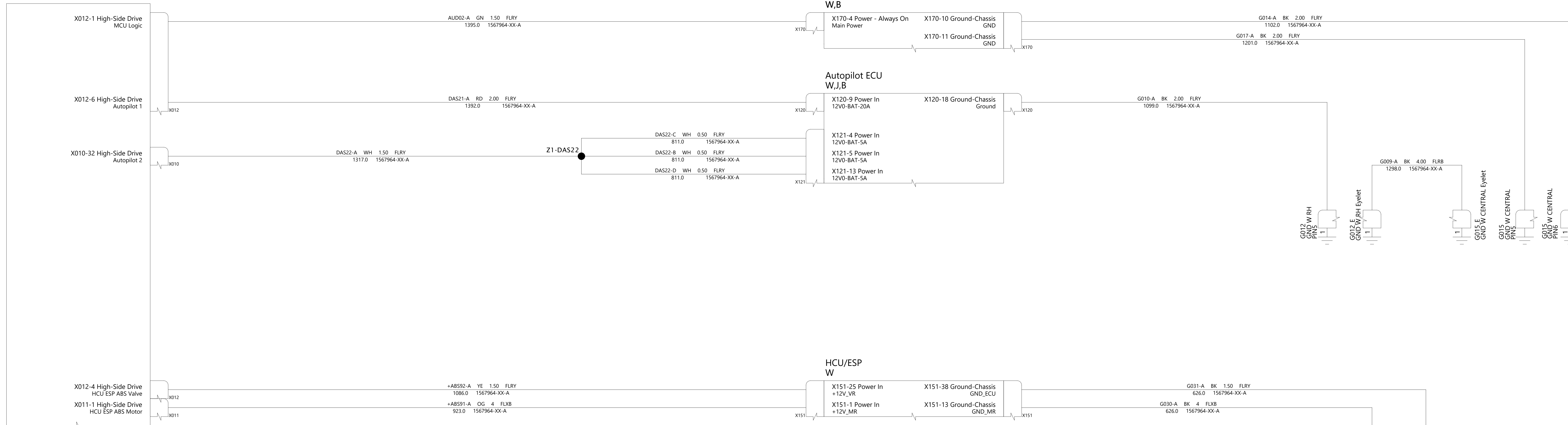
Condenser Fan W



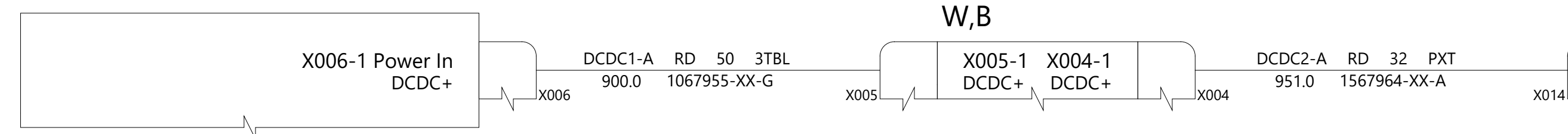
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Body Controller Front J1,J2		
PART NUMBER	REV	SHEET
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		SIZE A0

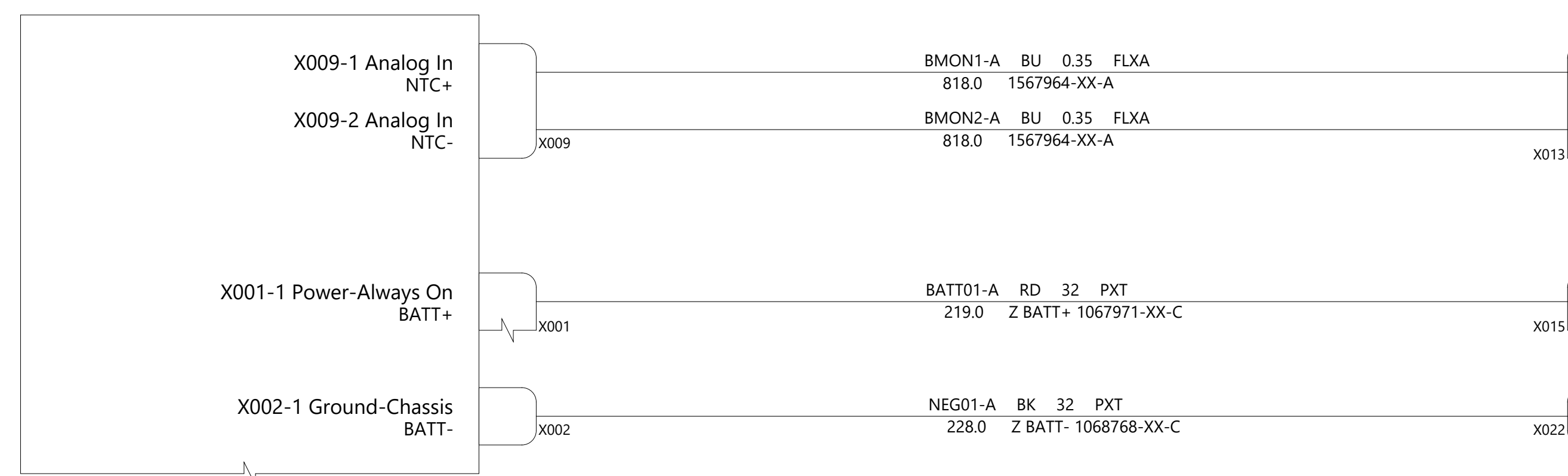
**Body Controller Front
W,U**



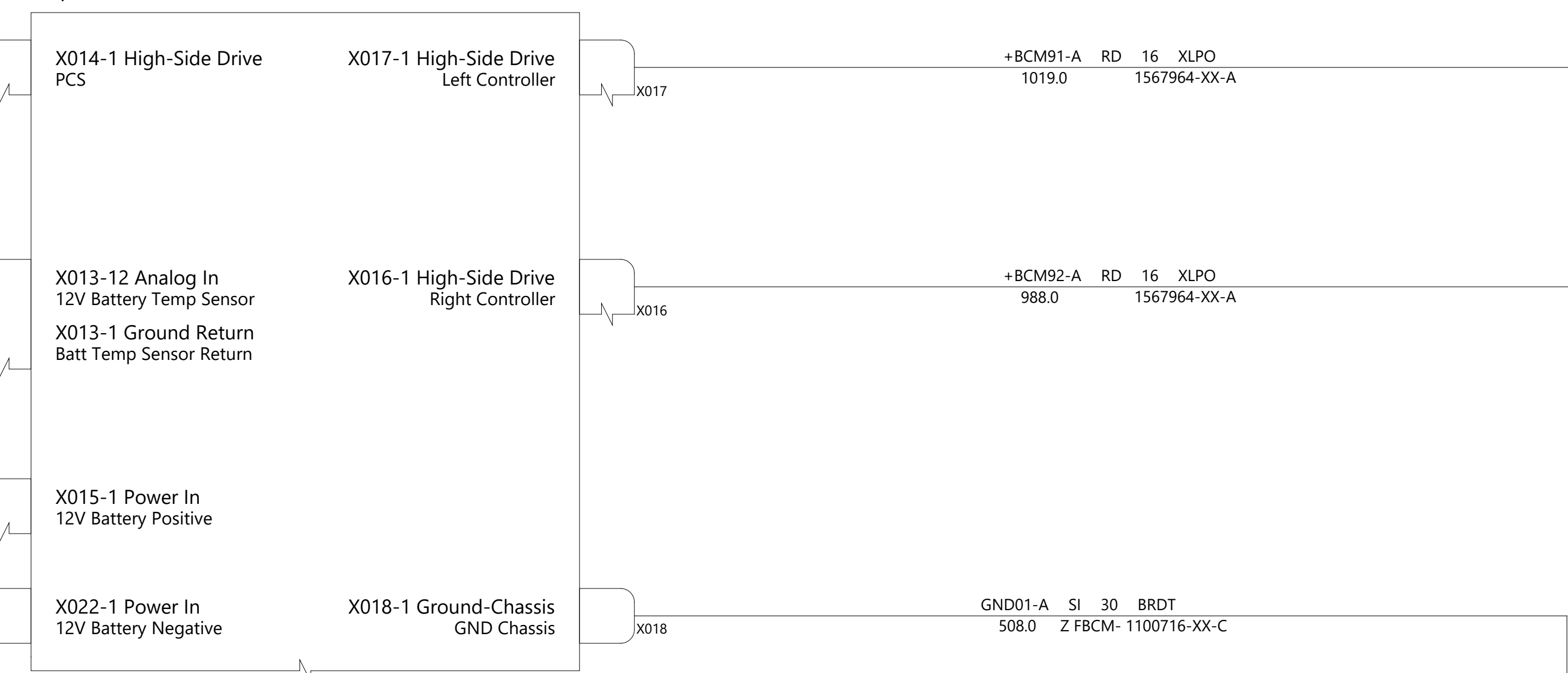
**HV Battery
B**



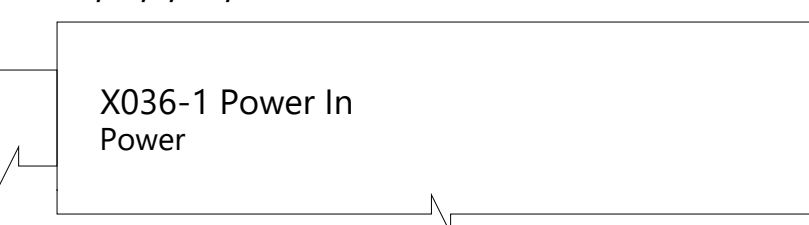
**12V Battery
W**



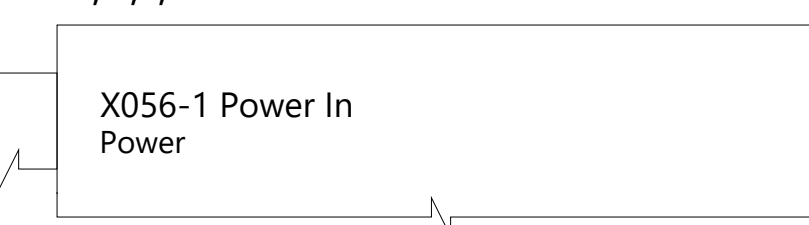
**Body Controller Front
W,U**



**Body Controller Left
A,D,J,W,K**



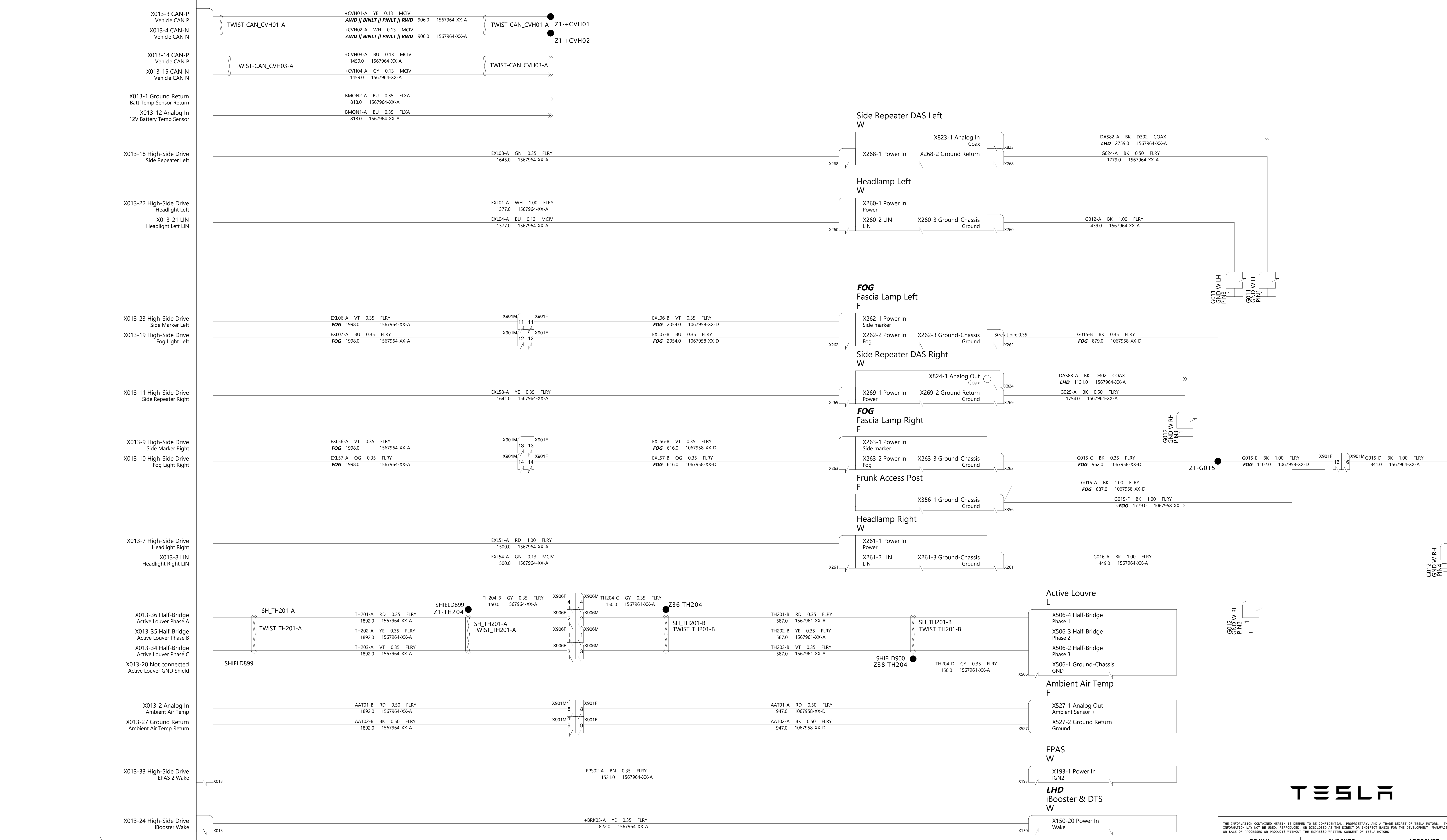
**Body Controller Right
B,P,J,W**



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DRAWN	CHECKED	APPROVED
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PART NUMBER	REV	SHEET
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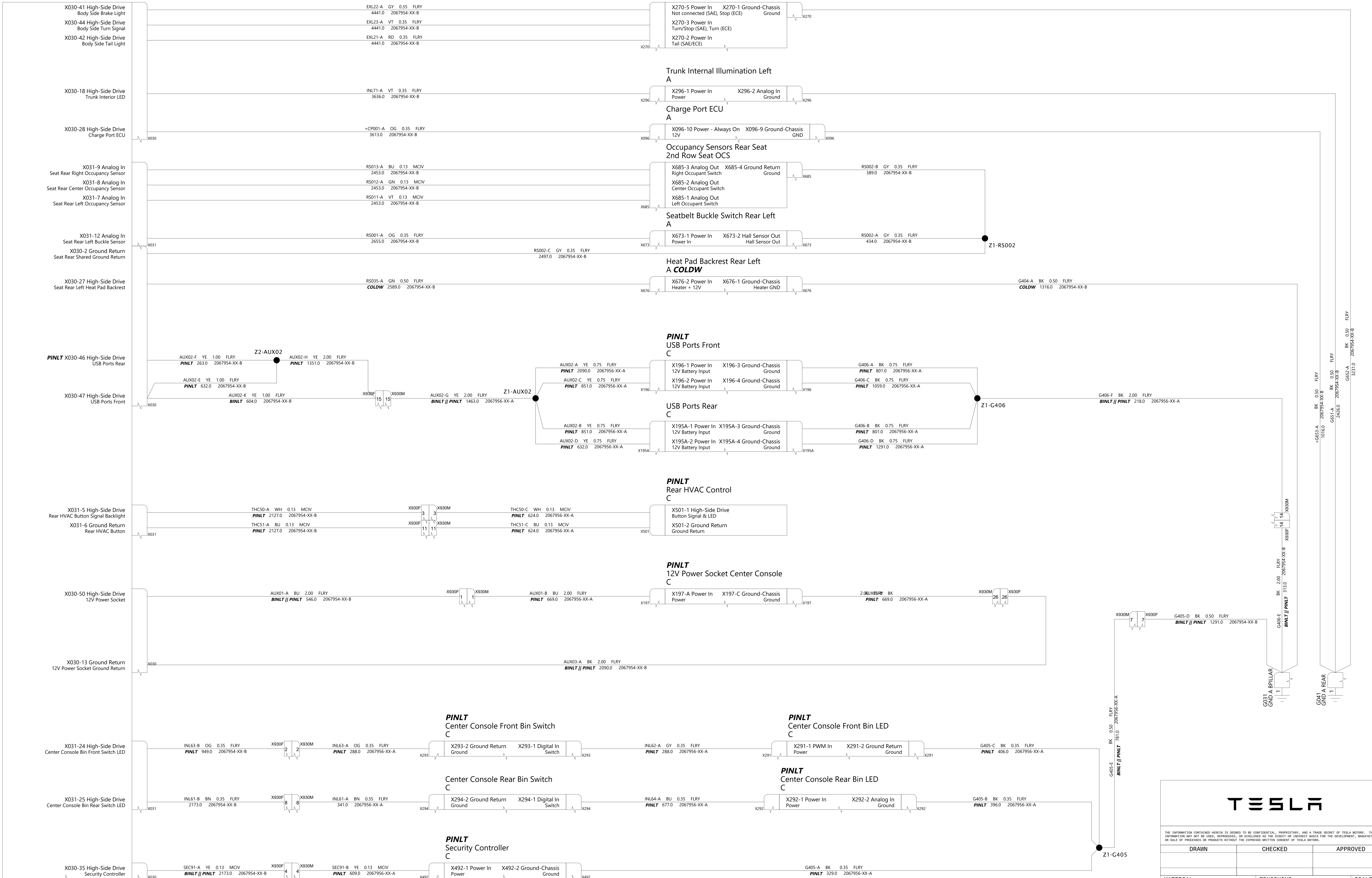
Body Controller Front
W,U



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Body Controller Front J4		
PART NUMBER	REV	SHEET
	1	5 OF 41
		SIZE A0

Body Controller Left
A,D,J,W,K



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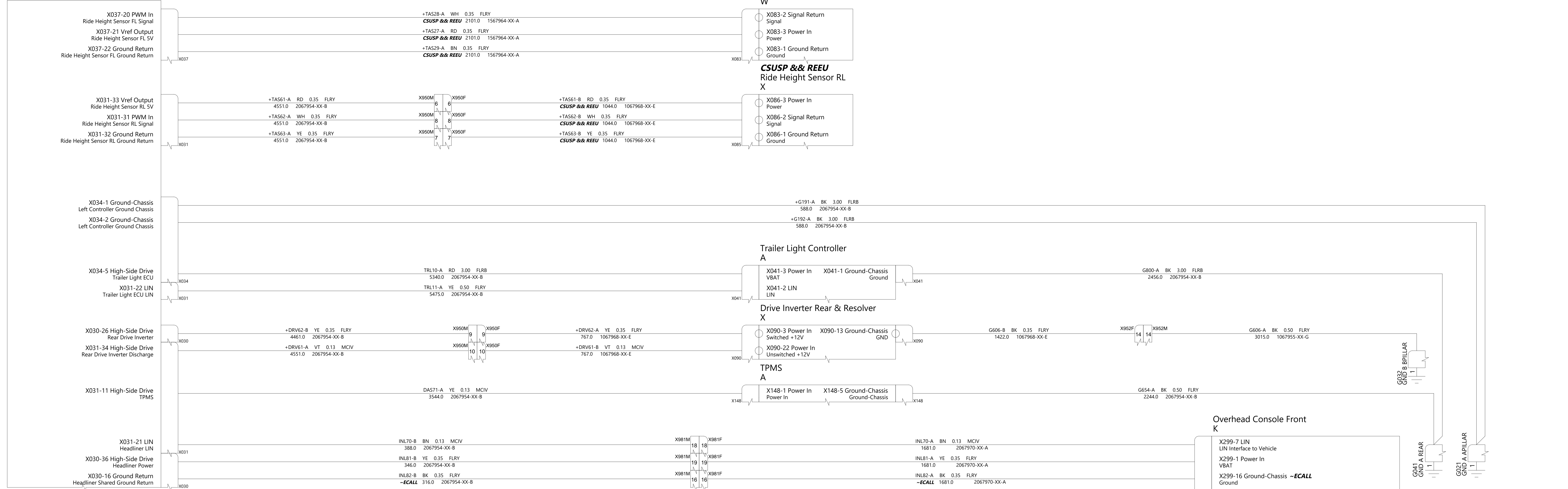
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MATERIAL	FINISHING	SCALE
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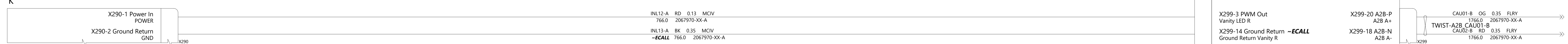
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Body Controller Left J1, Center Console

PART NUMBER	REV	SHEET	SIZE
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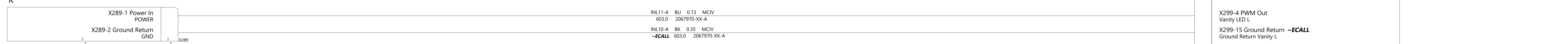
Body Controller Left
A,D,J,W,K



Vanity LED Right
K



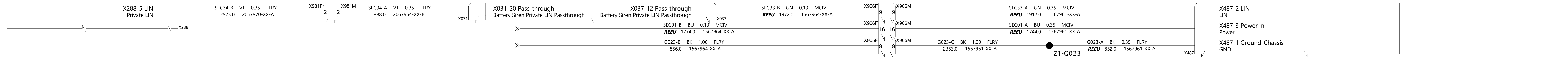
Vanity LED Left
K



Overhead Console Rear
K



Body Controller Left
A,D,J,W,K



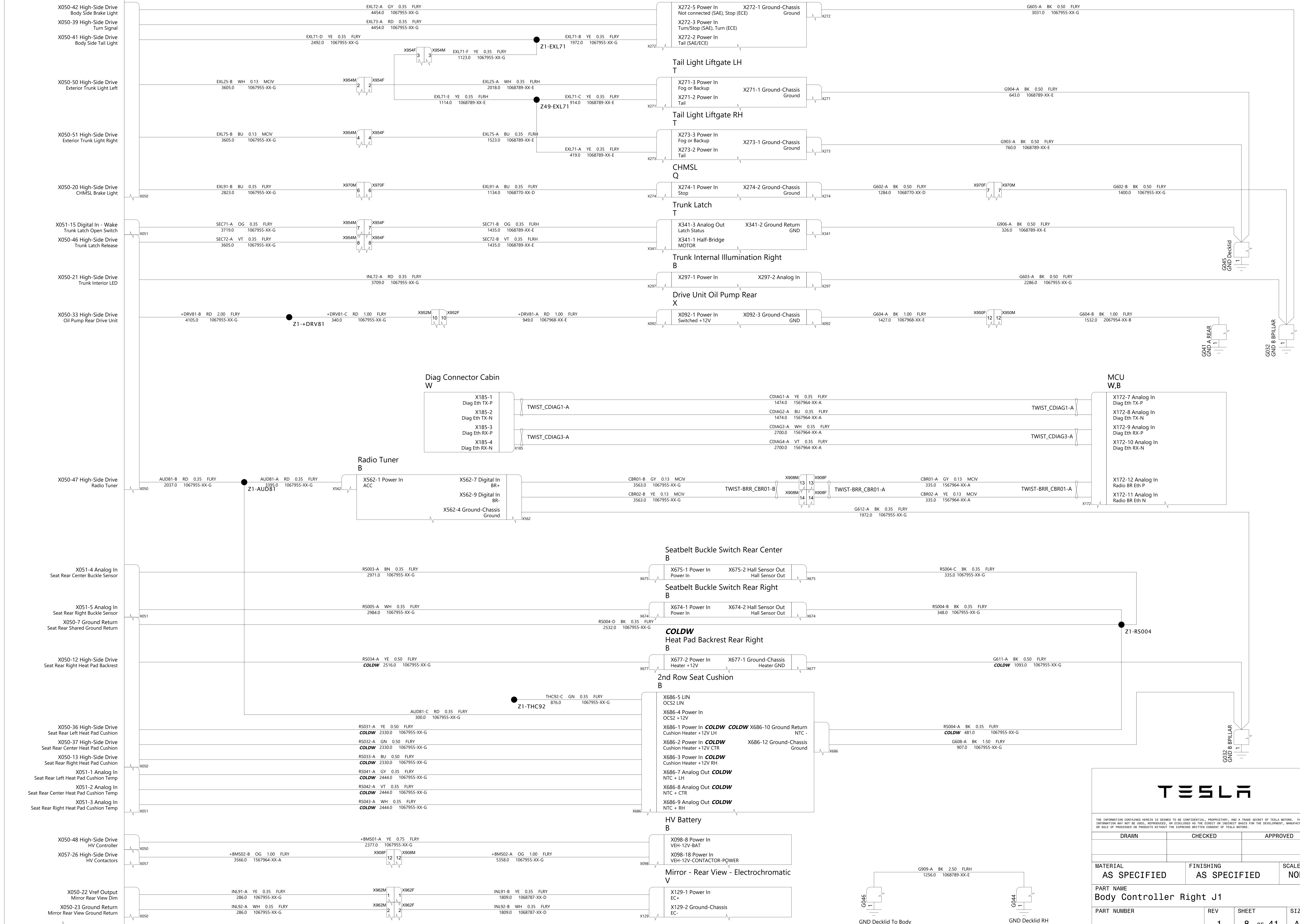
REEU
Battery Backup Siren
L



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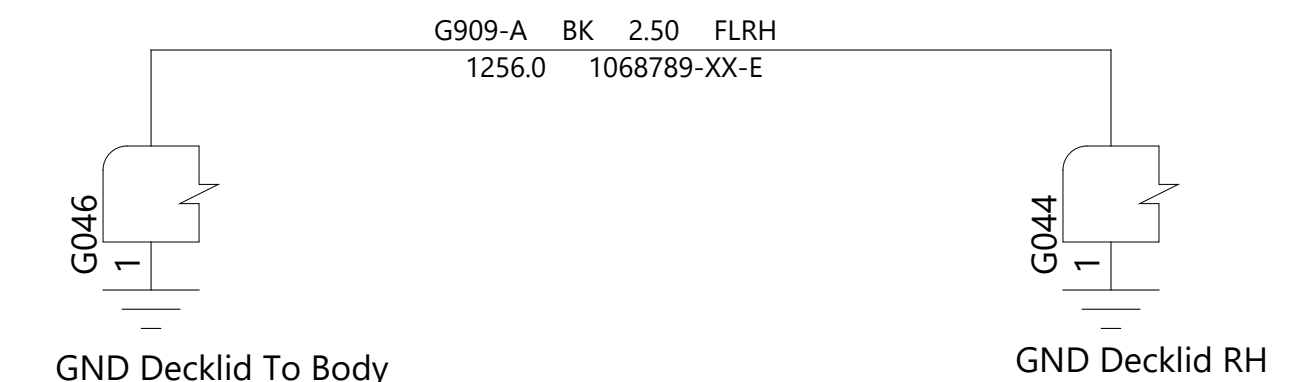
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PART NUMBER	REV	SHEET
	1	7 OF 41
		SIZE
		A0

Body Controller Right
B,P,J,W

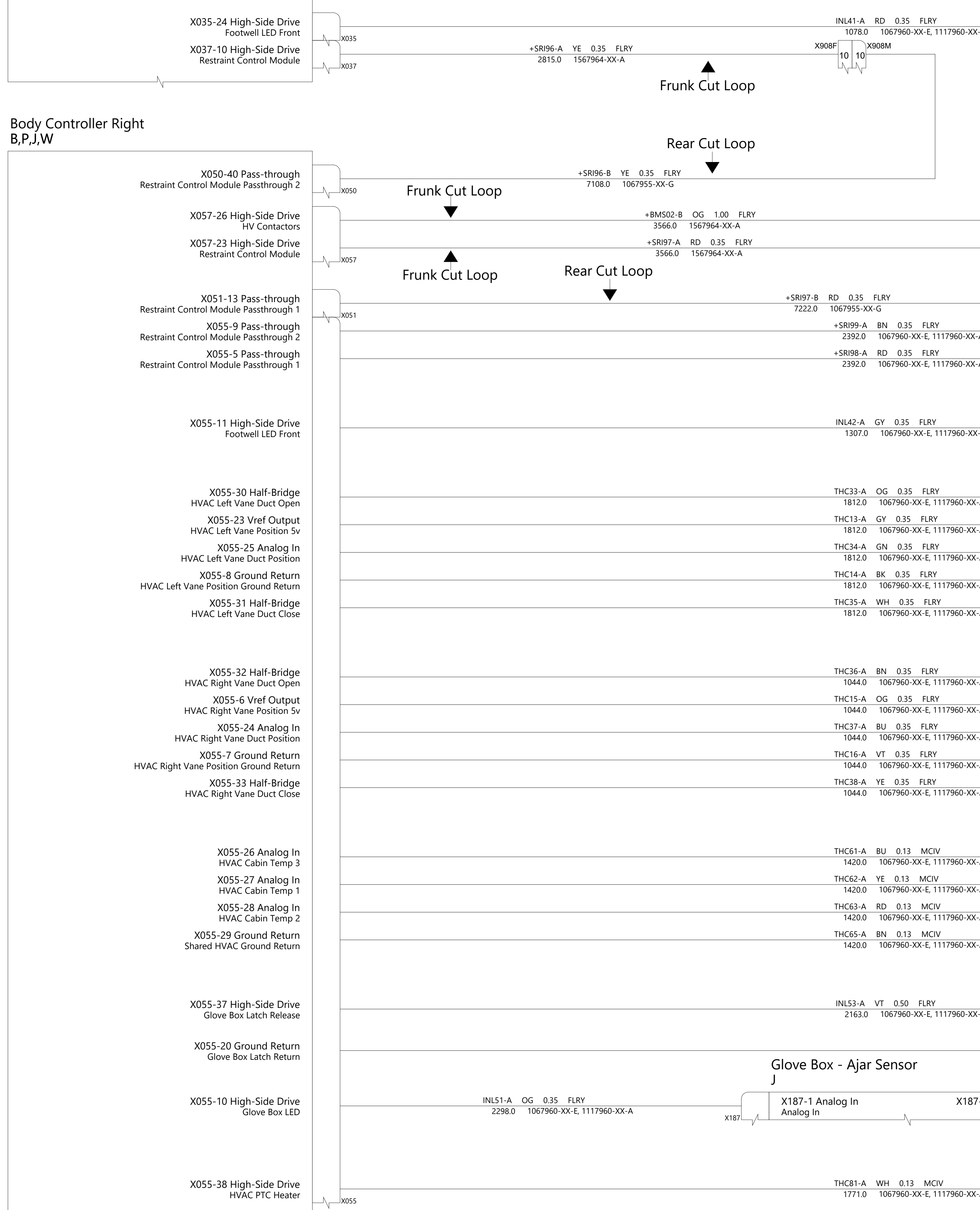


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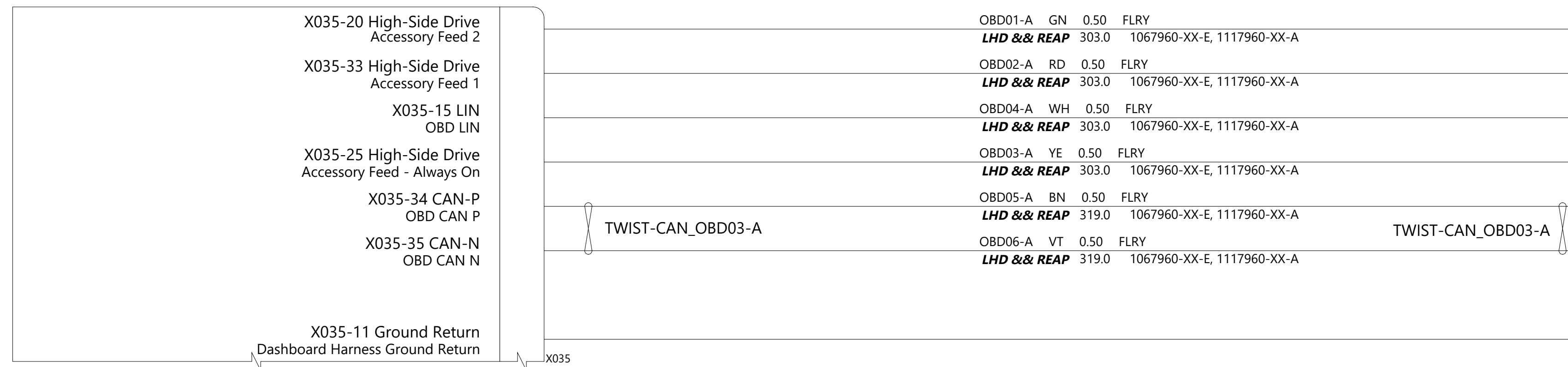
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PART NAME Body Controller Right J1		
PART NUMBER	REV	SHEET
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		SIZE A0



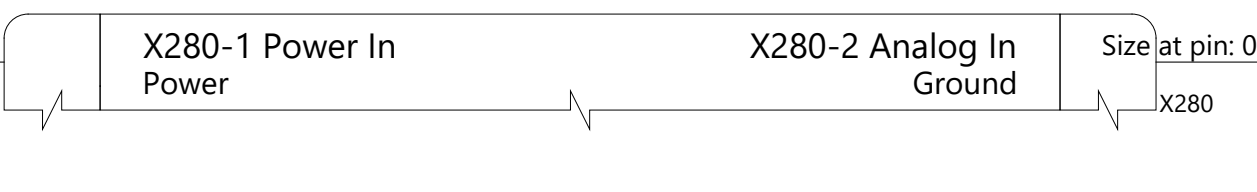
Body Controller Left
A,D,J,W,K



Body Controller Left
A,D,J,W,K



Footwell LED Front Left
J



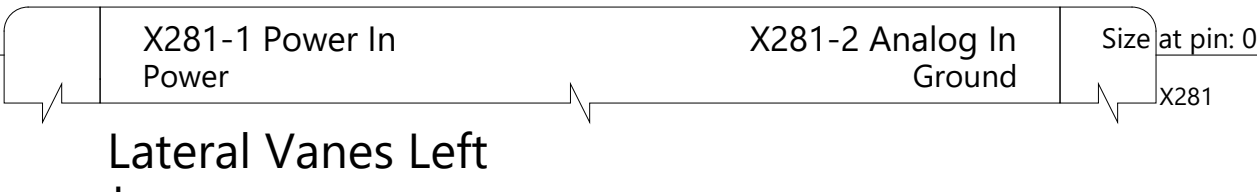
HV Battery
B



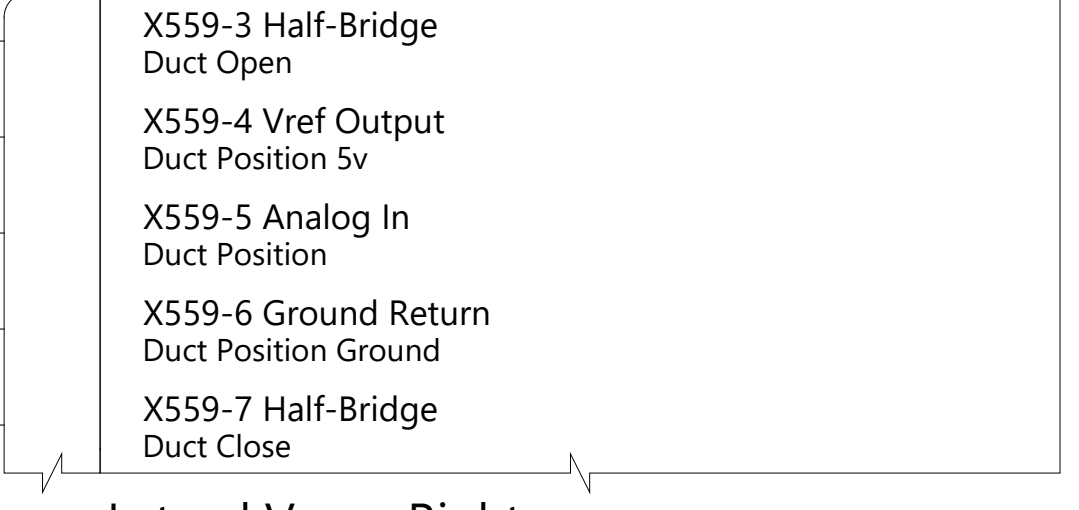
Restraints Controller
A,J



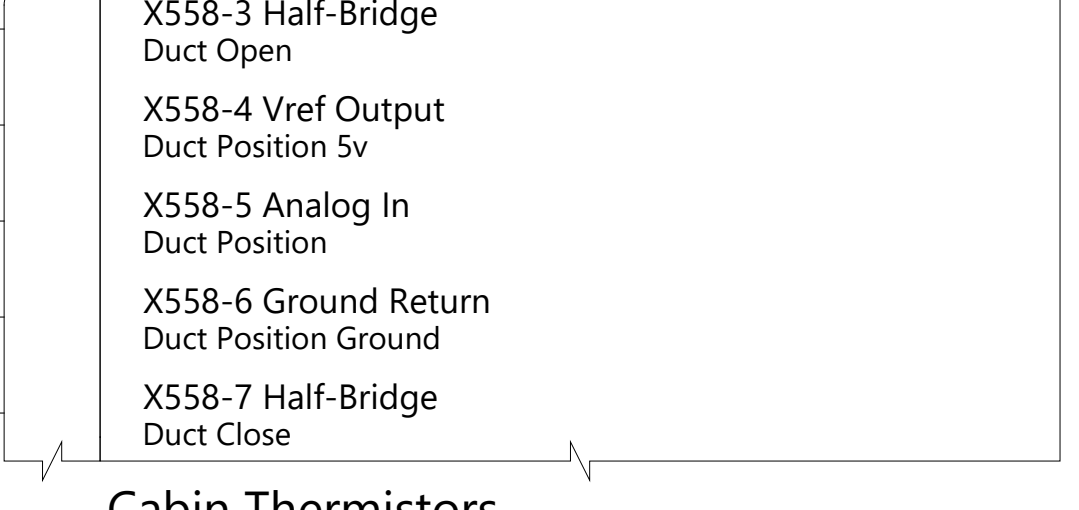
Footwell LED Front Right
J



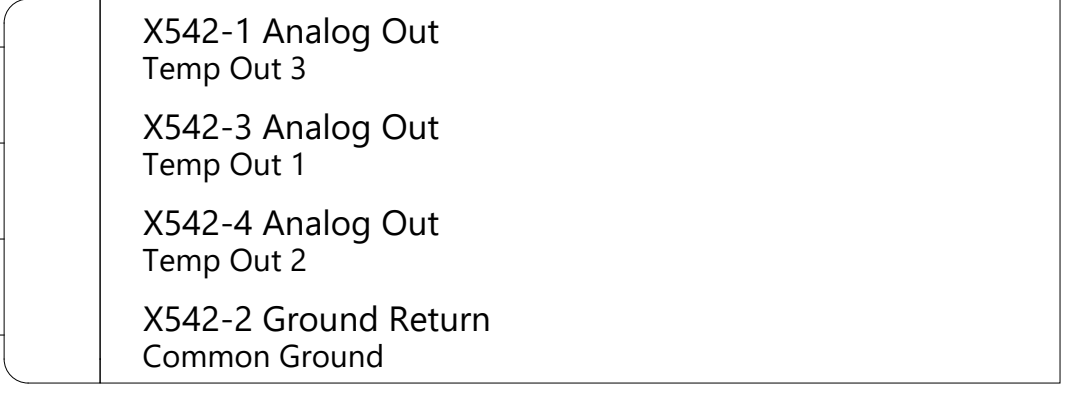
Lateral Vanes Left
J



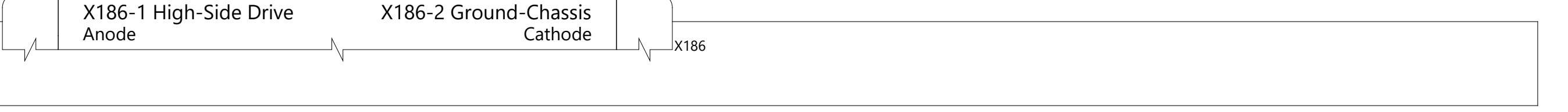
Lateral Vanes Right
J



Cabin Thermistors
J



Glove Box - Latch
J



Glove Box - LED
J



PTC Heater
J,W



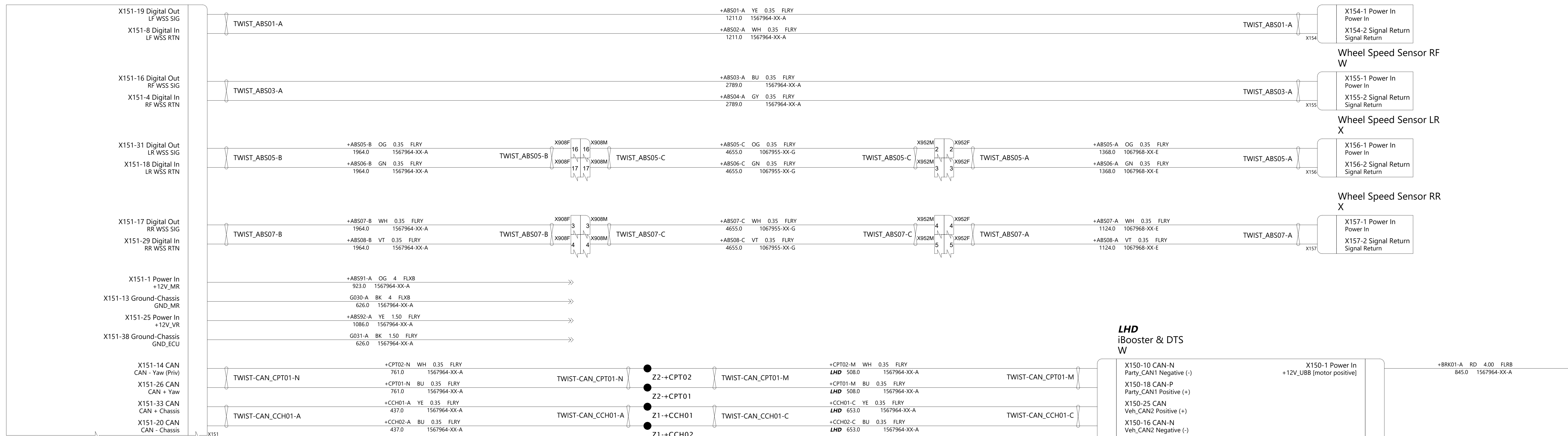
Steering Angle and Stalk ECU
J



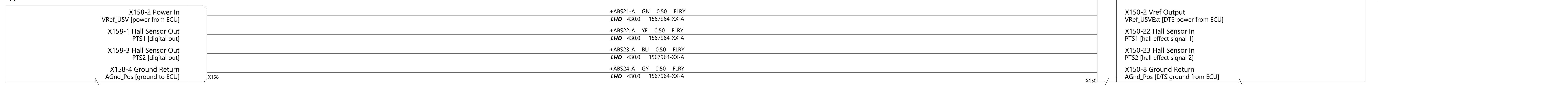
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DRAWN	CHECKED	APPROVED
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PART NUMBER	REV	SHEET
	1	10 of 41
		SIZE A0

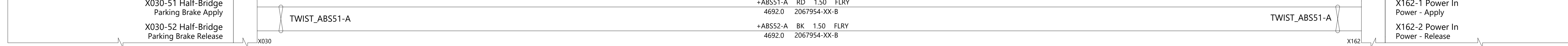
HCU/ESP W



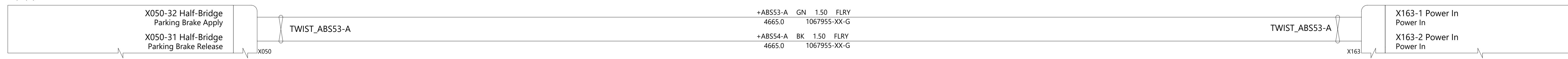
LHD iBooster & DTS W



Body Controller Left A,D,J,W,K

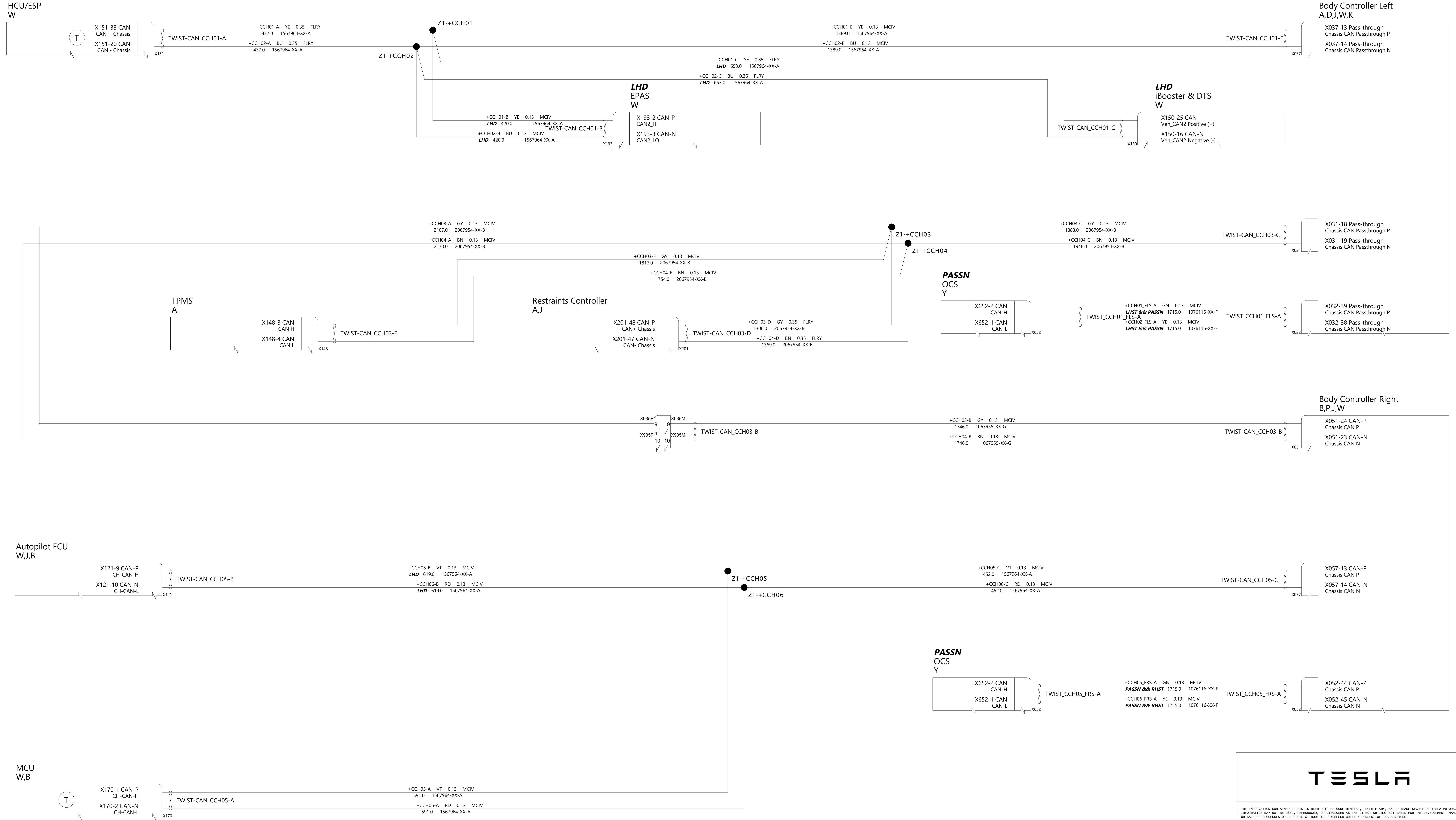


Body Controller Right B,P,J,W



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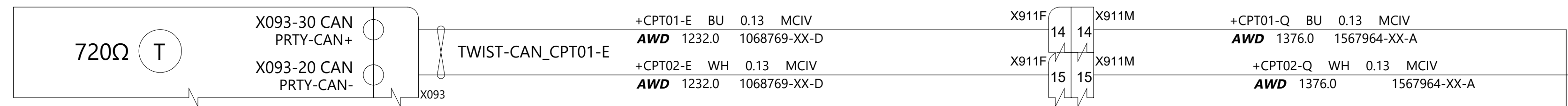
DRAWN	CHECKED	APPROVED
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PART NAME Brake Controls		
PART NUMBER	REV	SHEET
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		SCALE A0



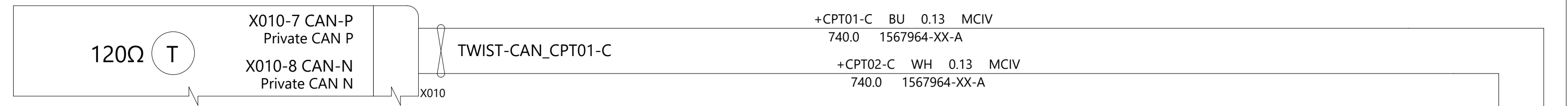
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DRAWN	CHECKED	APPROVED
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PART NAME CAN Chassis		
PART NUMBER	REV	SHEET
	1	12 OF 41
		SIZE A0

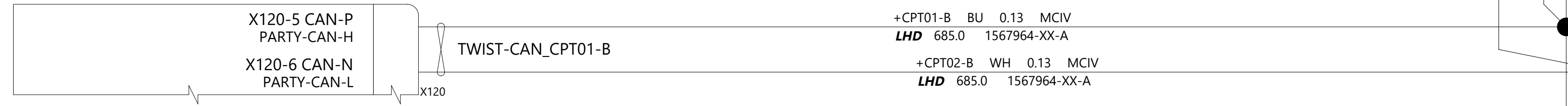
AWD
Drive Inverter Front & Resolver
N



Body Controller Front
W,U



Autopilot ECU
W,J,B



MCU
W,B



HCU/ESP
W



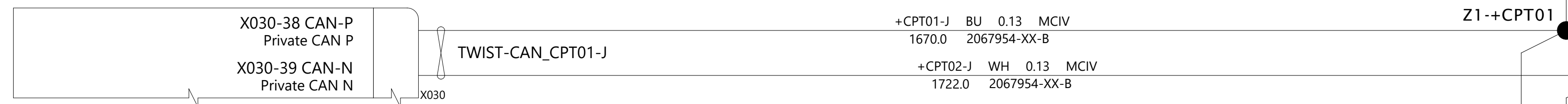
EPAS
W



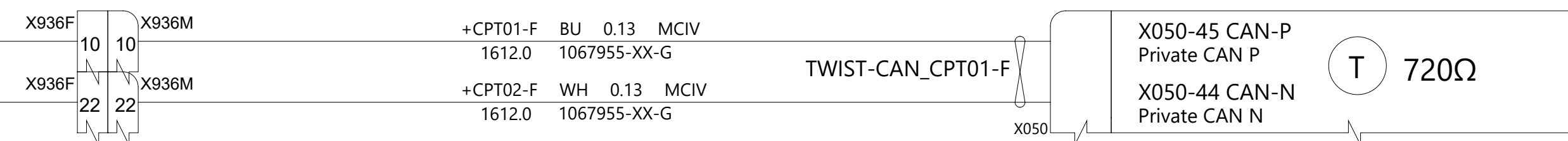
LHD
iBooster & DTS
W



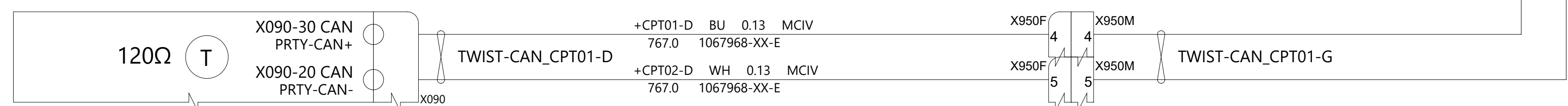
Body Controller Left
A,D,J,W,K



Body Controller Right
B,P,J,W



Drive Inverter Rear & Resolver
X



Restraints Controller
A,J



TESLA

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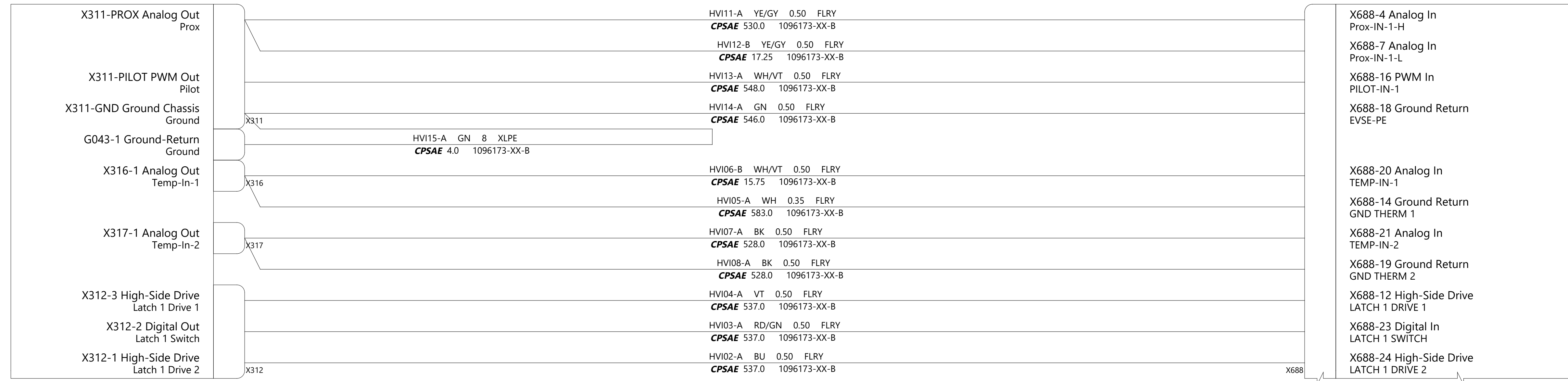
DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME CAN Party			
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PART NUMBER	REV	SHEET	SIZE
	1	13 OF 41	A0

CPSAE
Charge Port Inlet, SAE
E



CPIEC
Charge Port, IEC
E



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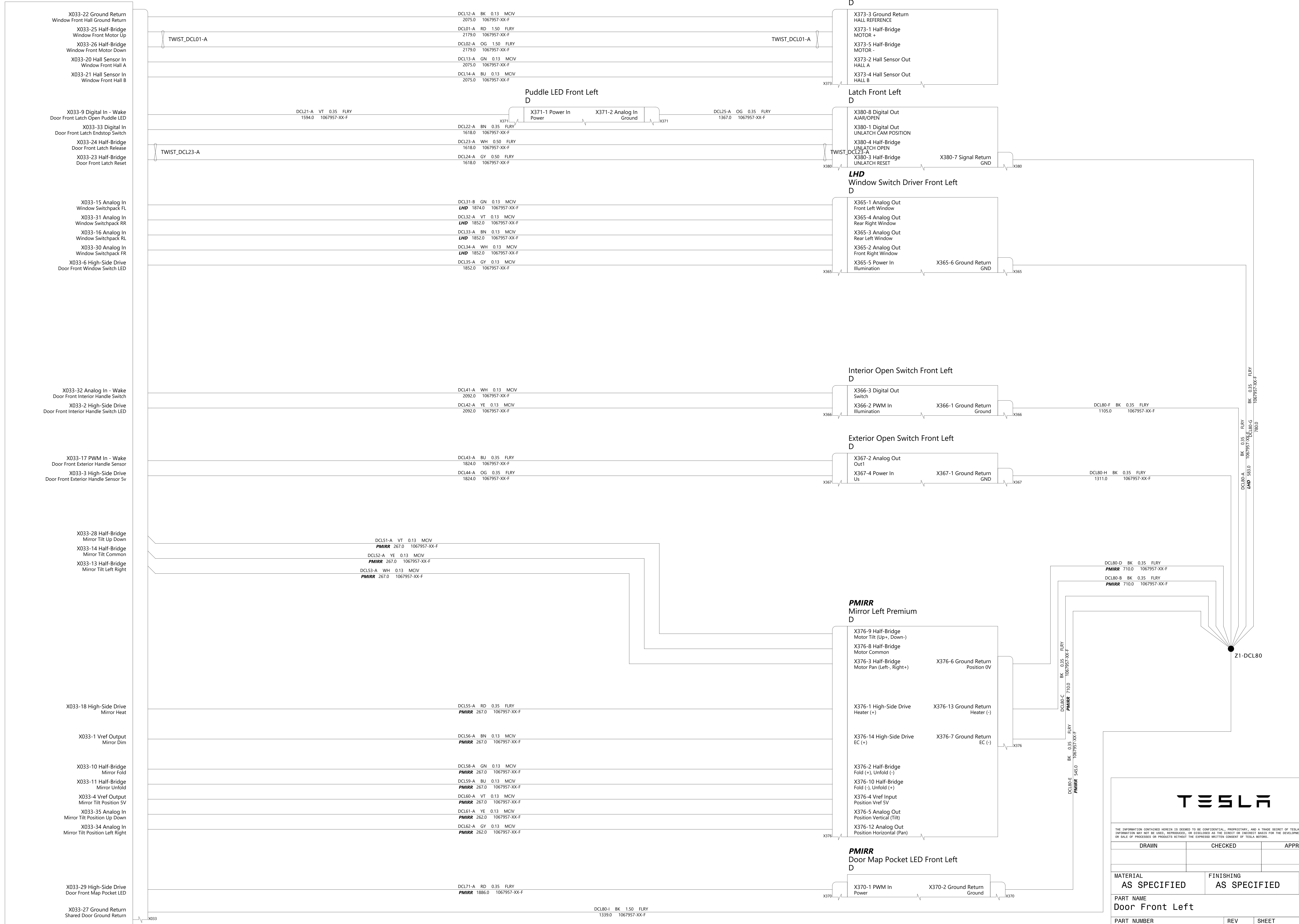
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Charge Port Inlet

PART NUMBER	REV	SHEET	SIZE
	1	15 of 41	A0

Body Controller Left
A,D,J,W,K



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NUMBER	REV	SHEET
	1	16 OF 41
		SIZE A0

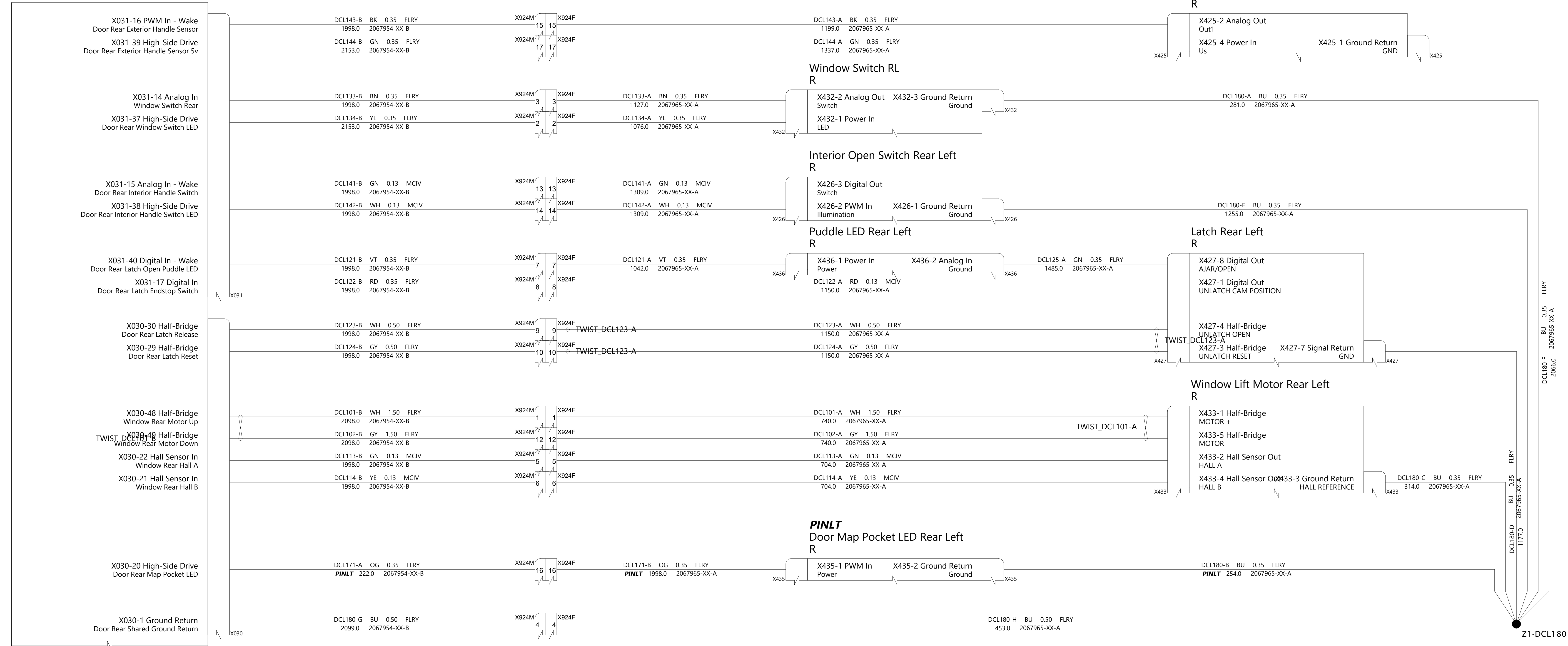
Body Controller Right
B,P,J,W



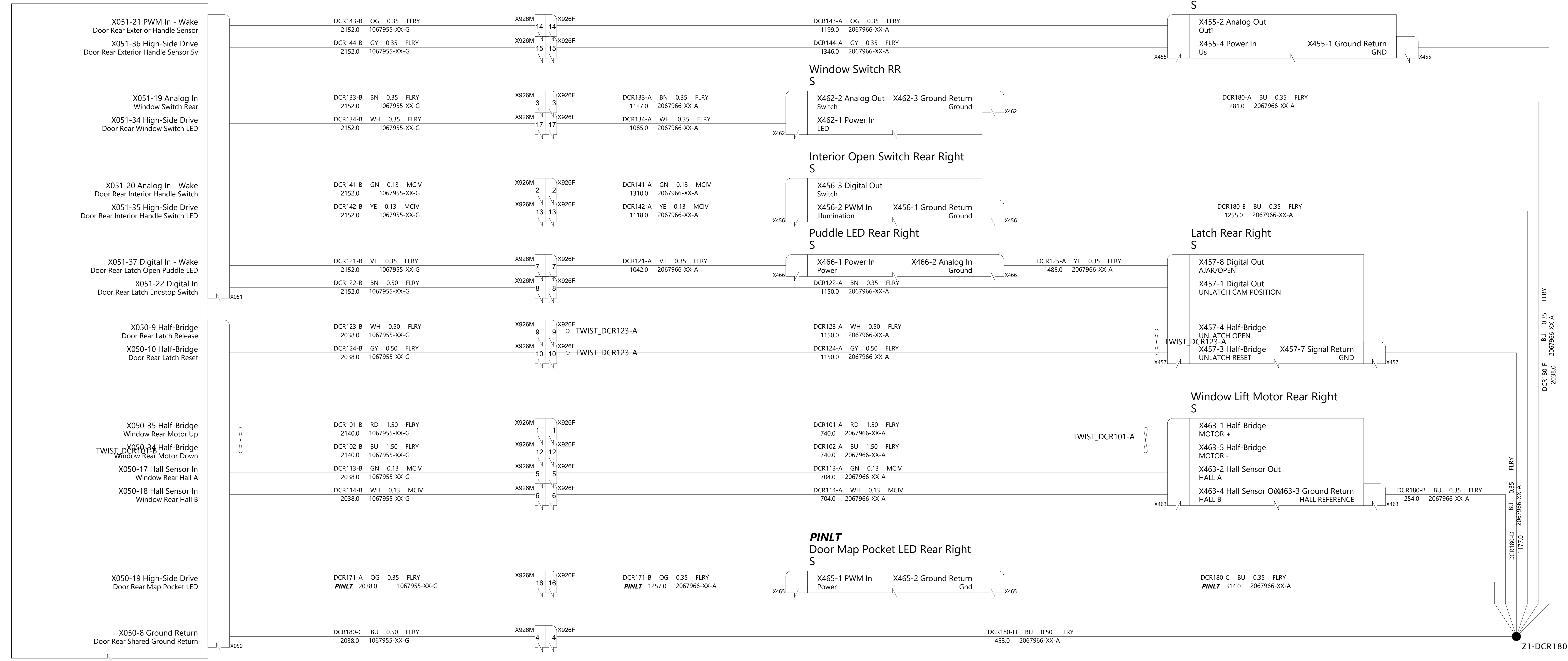
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NUMBER	REV	SHEET
	1	17 OF 41
		A0

Body Controller Left
A,D,J,W,K



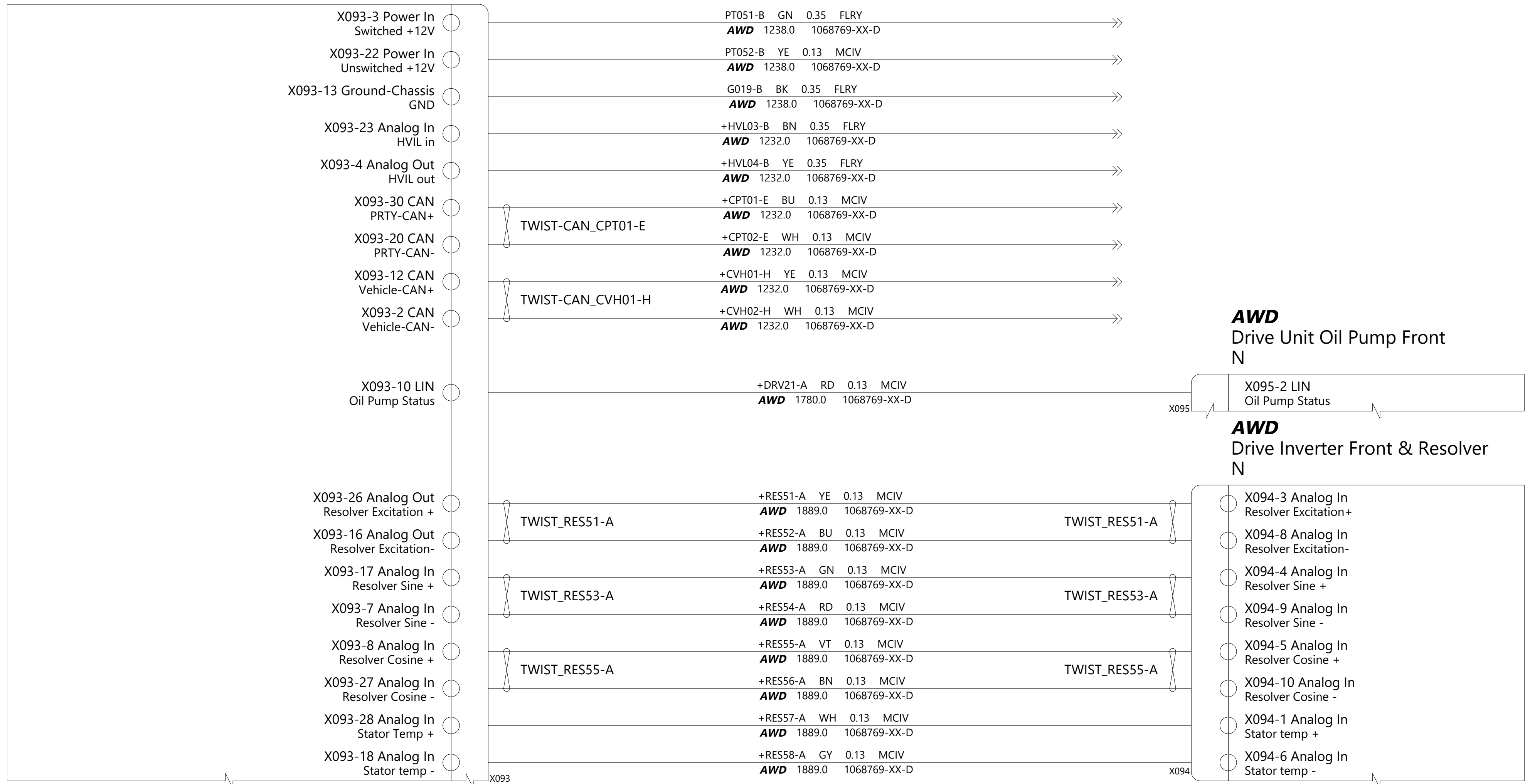
Body Controller Right
B,P,J,W



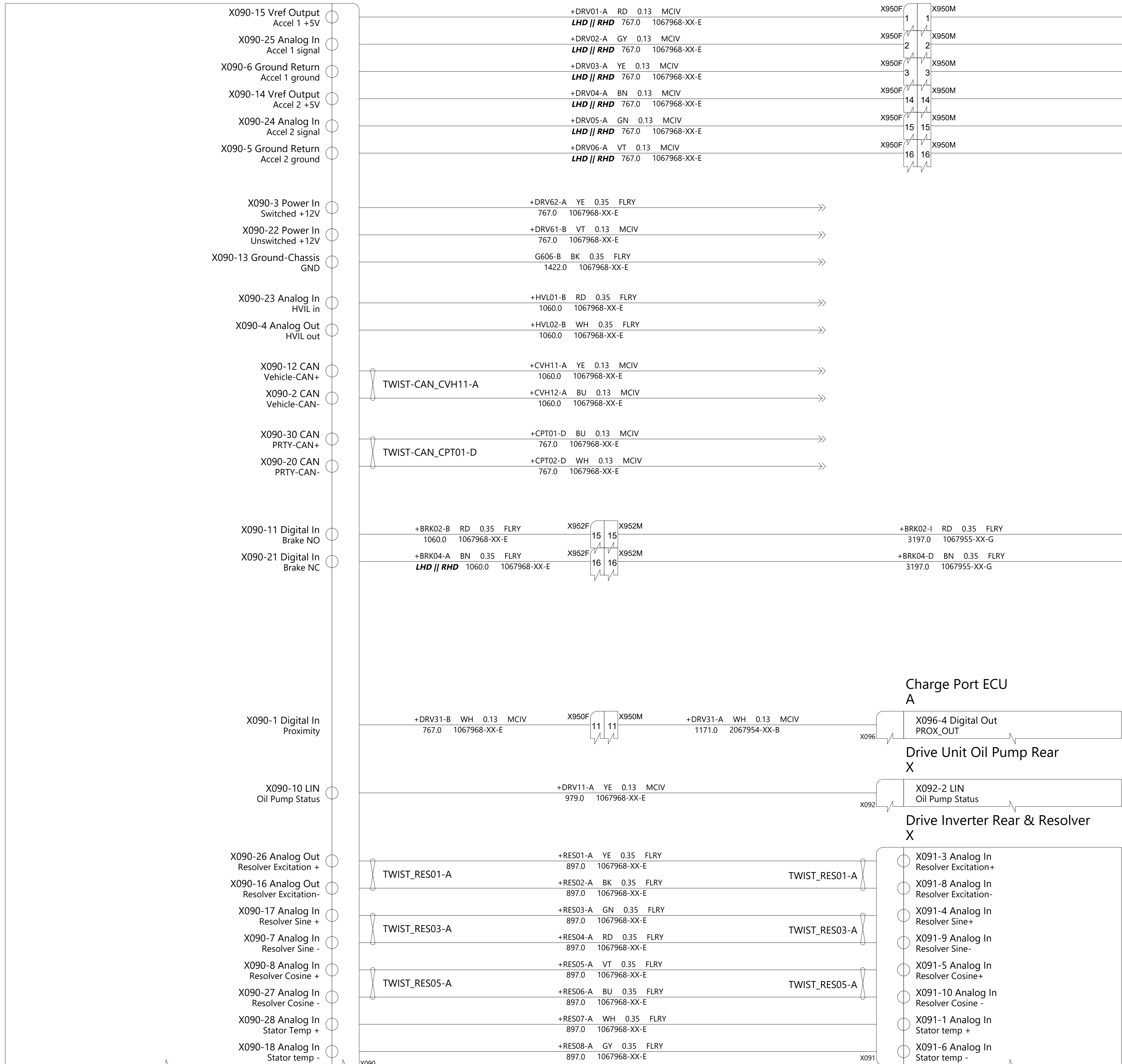
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Doors Rear		
PART NUMBER	REV	SHEET
	1	18 OF 41
		SIZE A0

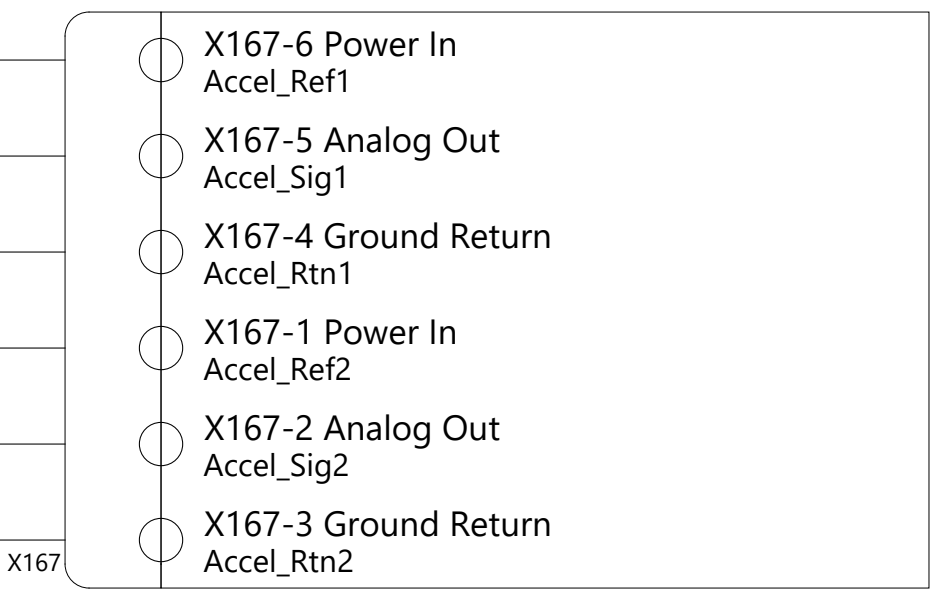
AWD
Drive Inverter Front & Resolver
N



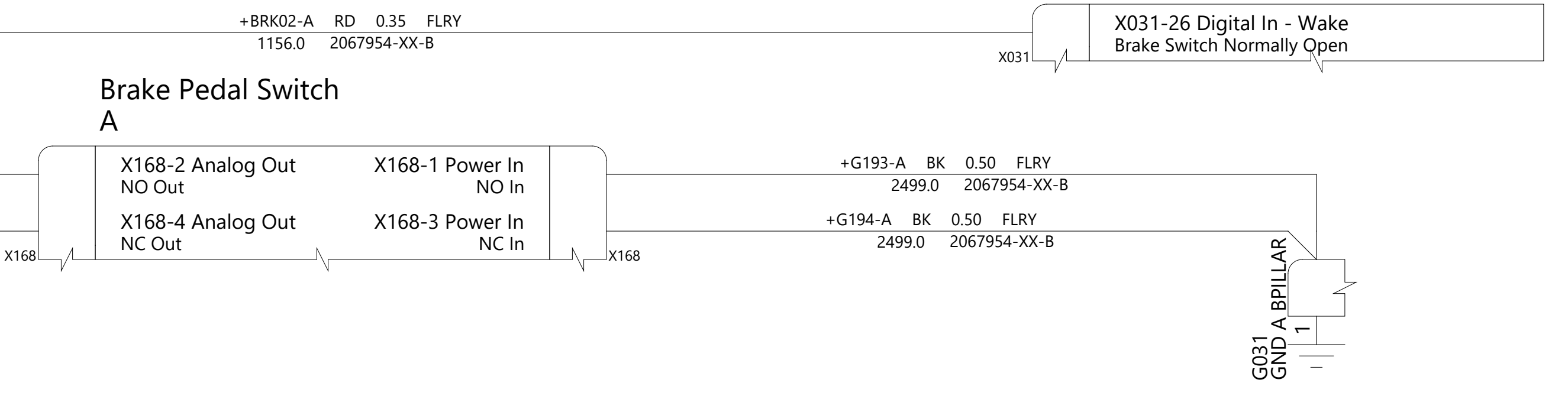
AWD
Drive Inverter Rear & Resolver
X



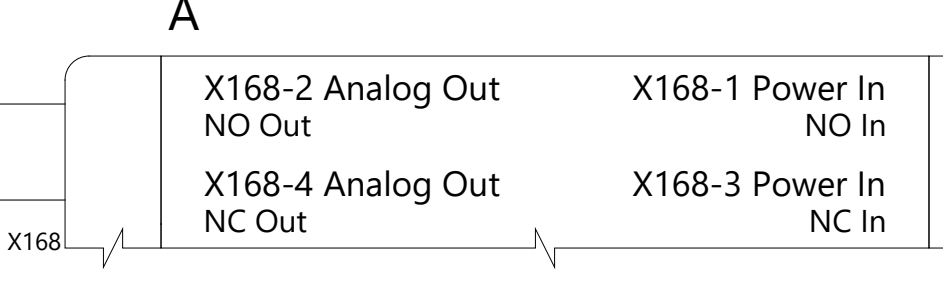
Accel Pedal Sensor
A



Body Controller Left
A,D,J,W,K



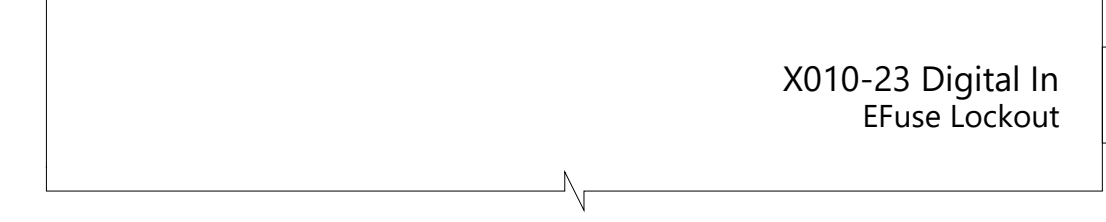
Brake Pedal Switch
A



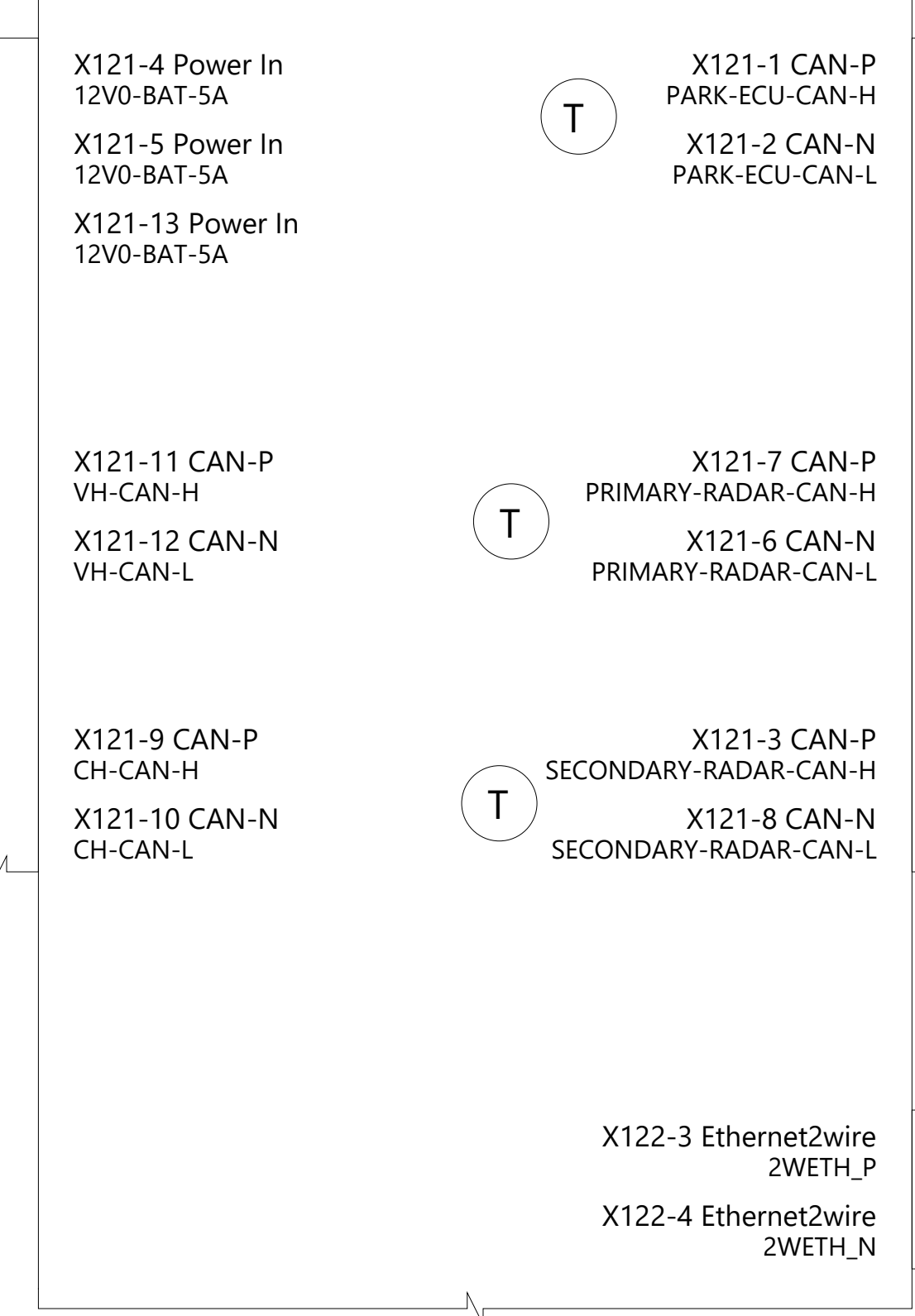
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Drive Inverters		
PART NUMBER	REV	SHEET
	1	19 OF 41
		SCALE A0

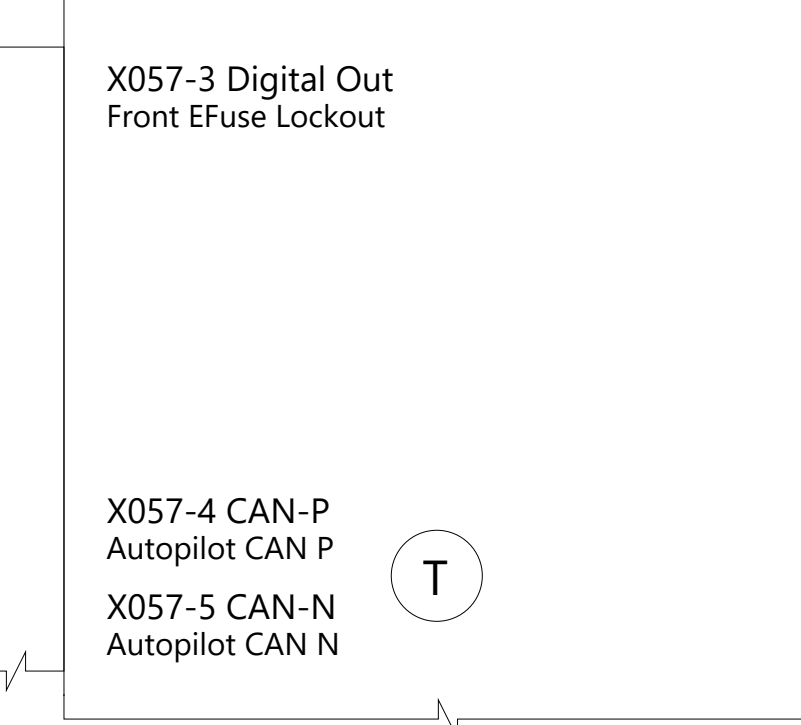
Body Controller Front
W,U



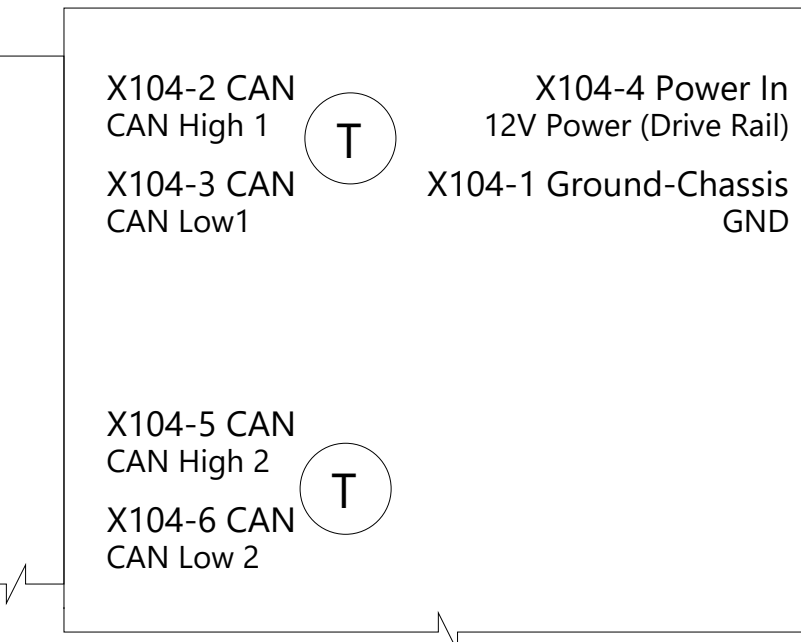
LHD
Autopilot ECU
W,J,B



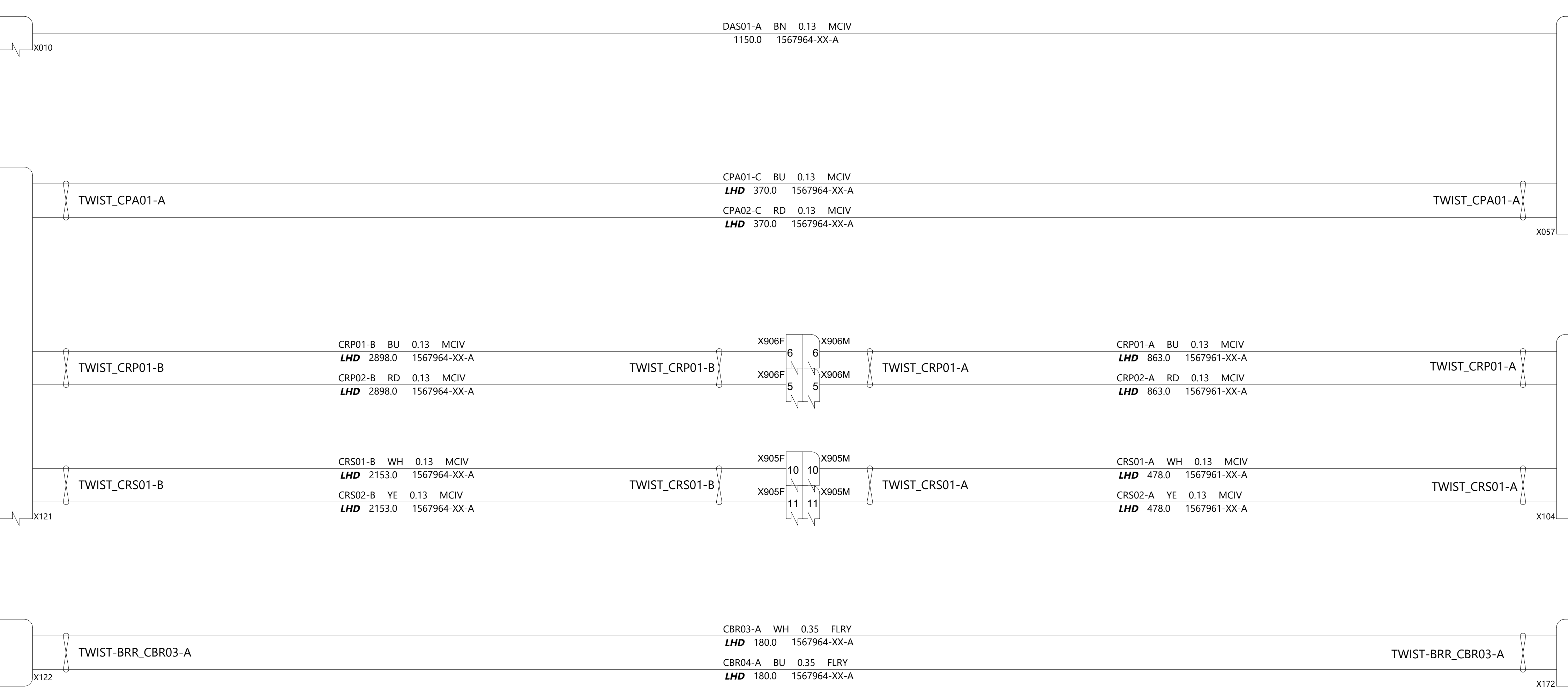
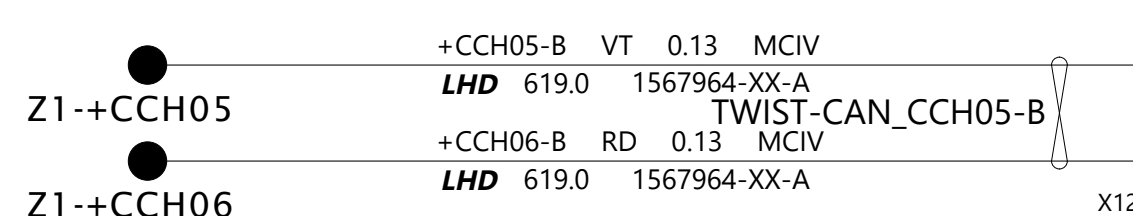
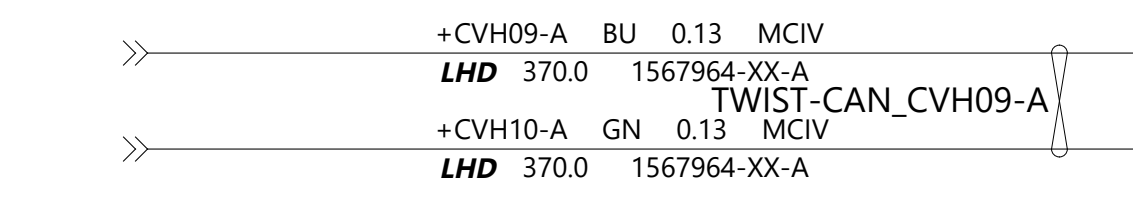
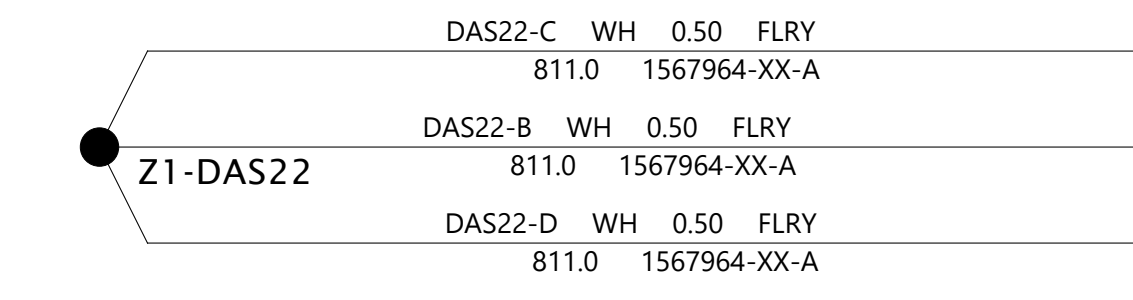
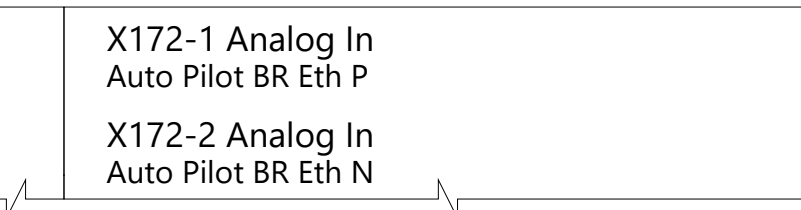
Body Controller Right
B,P,J,W



Radar Front
L



LHD
MCU
W,B



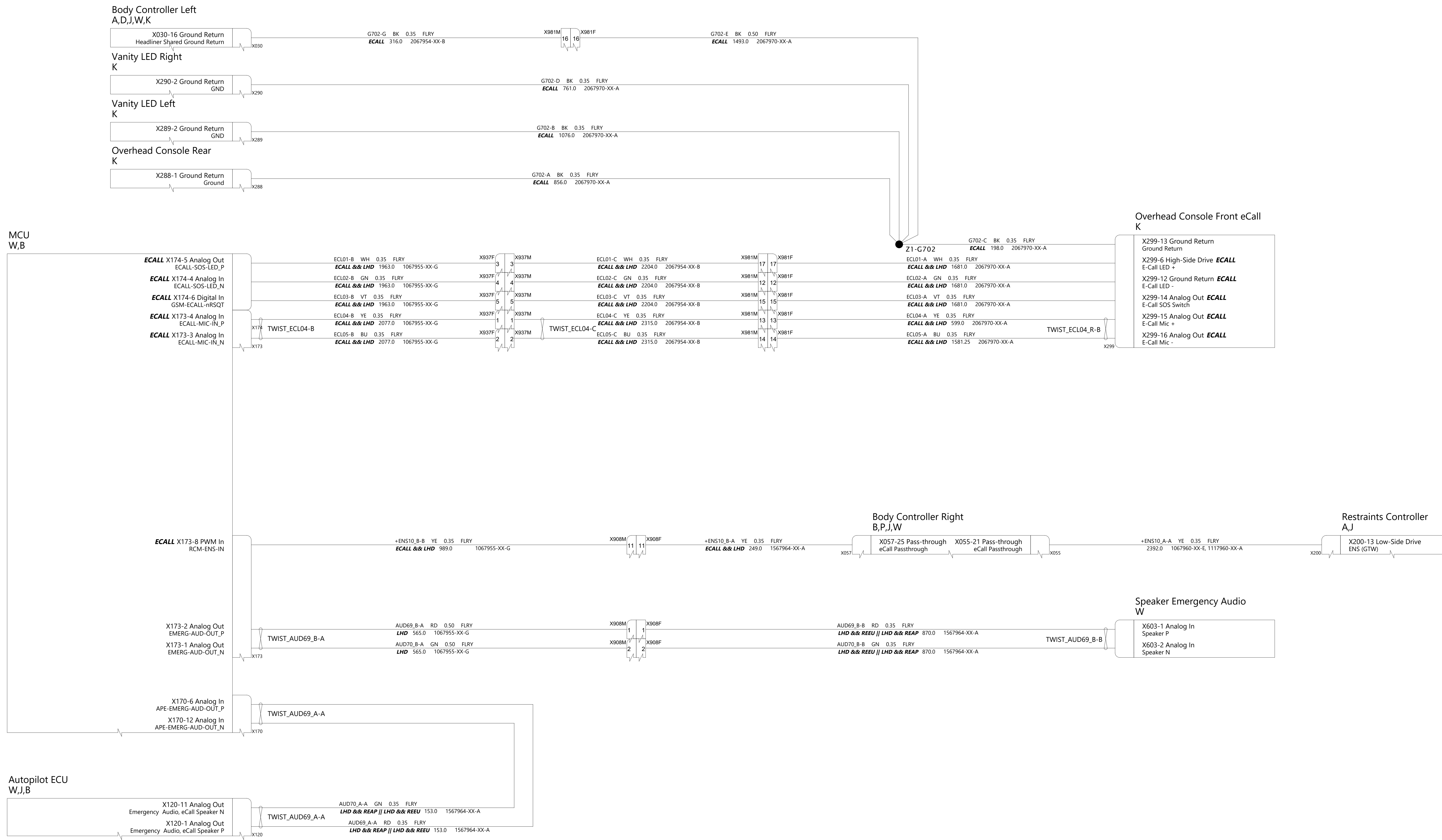
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE OBJECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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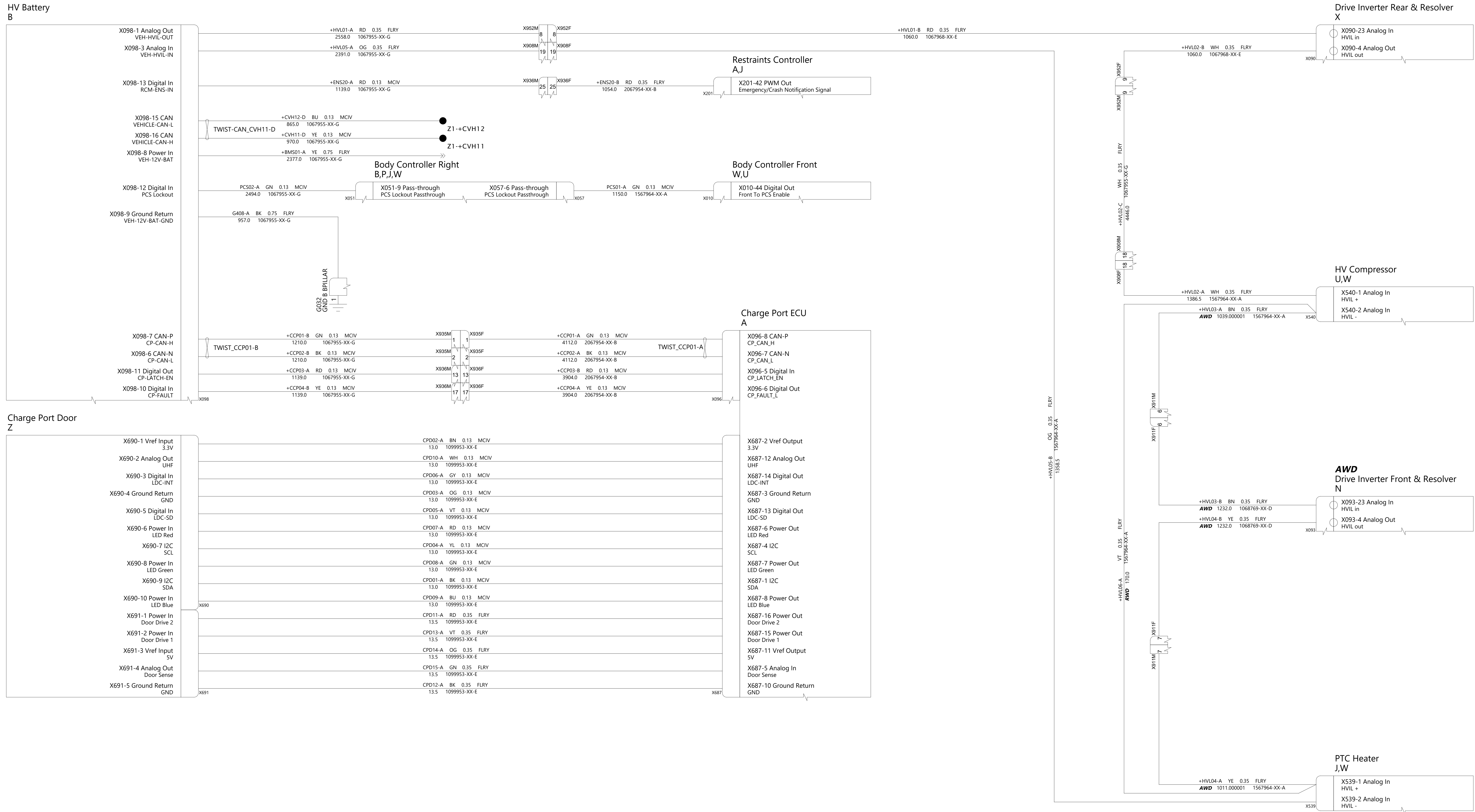
PART NAME
Driver Assistance

PART NUMBER	REV	SHEET	SIZE
	1	20 of 41	A0



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED		
FINISHING AS SPECIFIED		SCALE NONE
PART NAME eCall		
PART NUMBER	REV	SHEET
	1	21 OF 41
		SIZE A0



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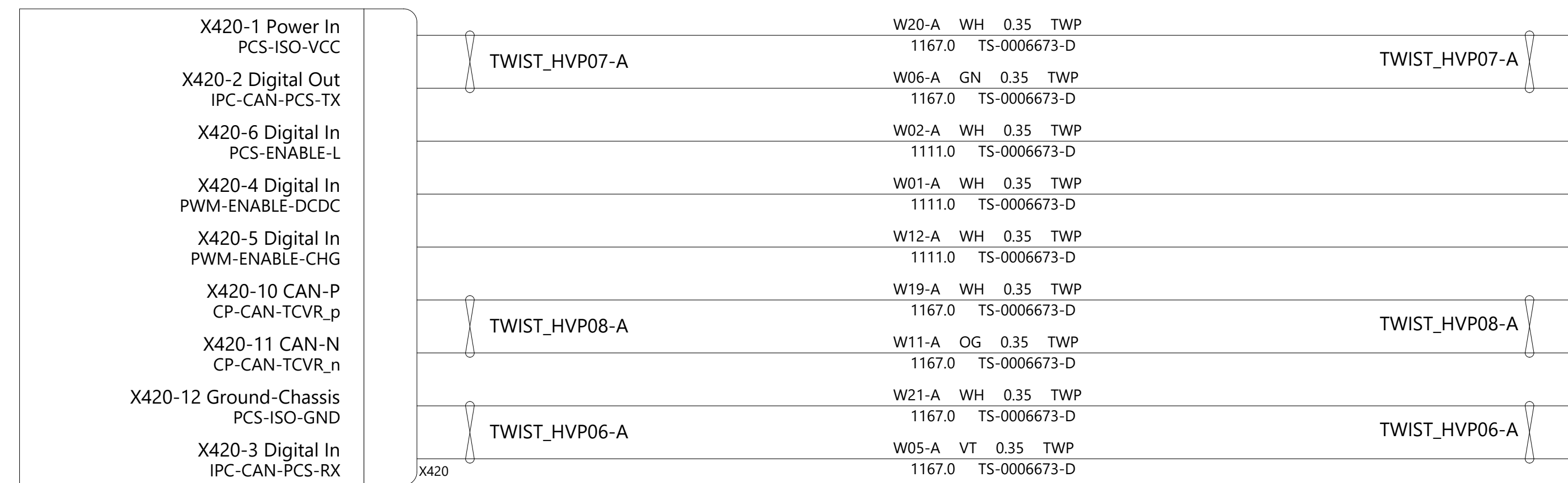
DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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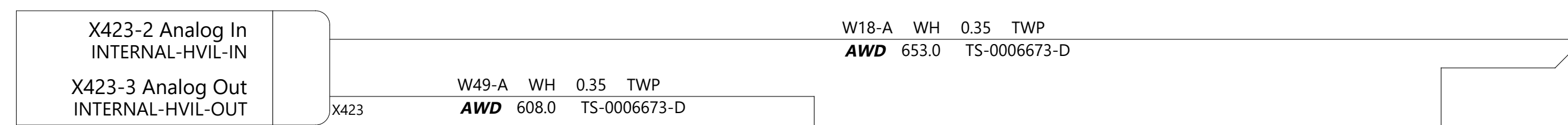
PART NAME
HV Battery and HVIL

PART NUMBER	REV	SHEET	SIZE
	1	22 of 41	A0

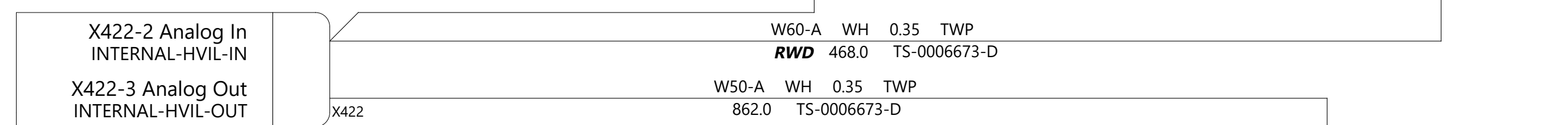
PCS
H



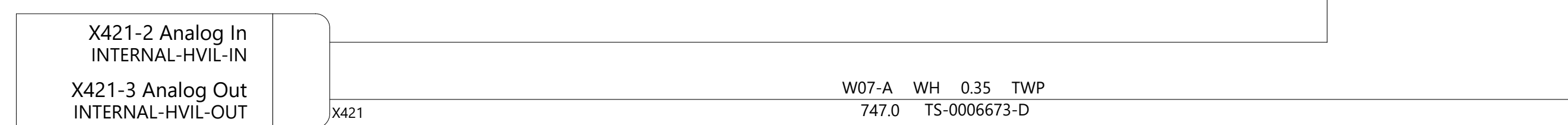
AWD
HV-FDU
H



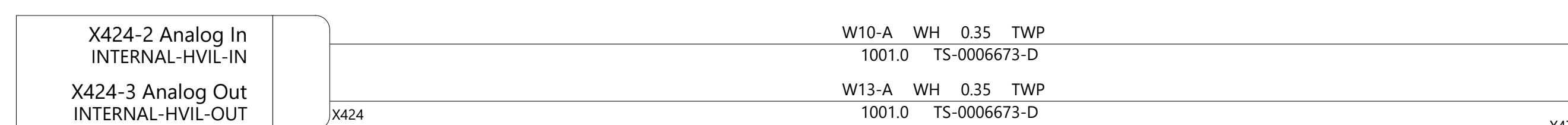
HV-RDU
H



HV-ANCIL
H



CHARGER-INLET
H



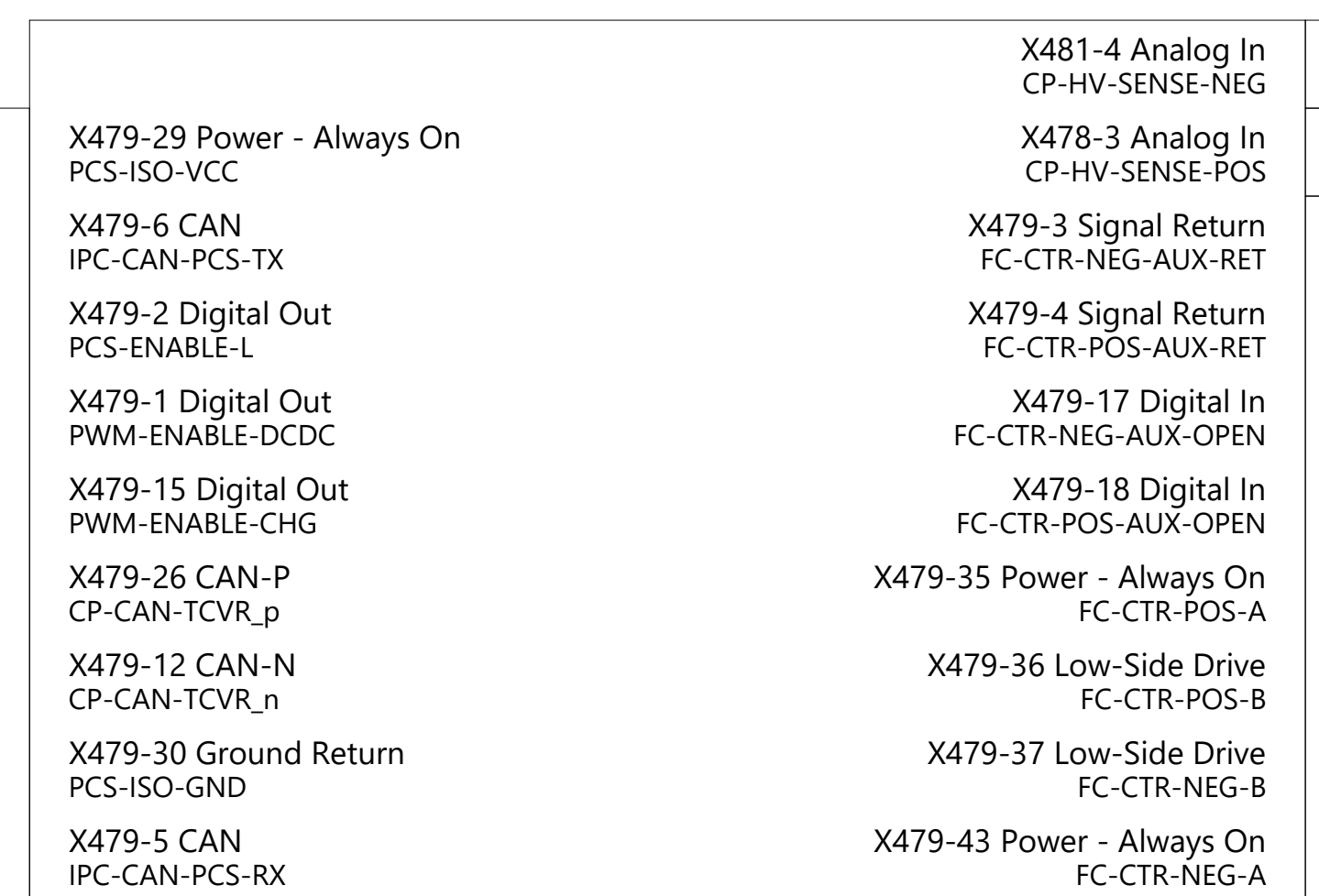
BMB-DAISY-A
H



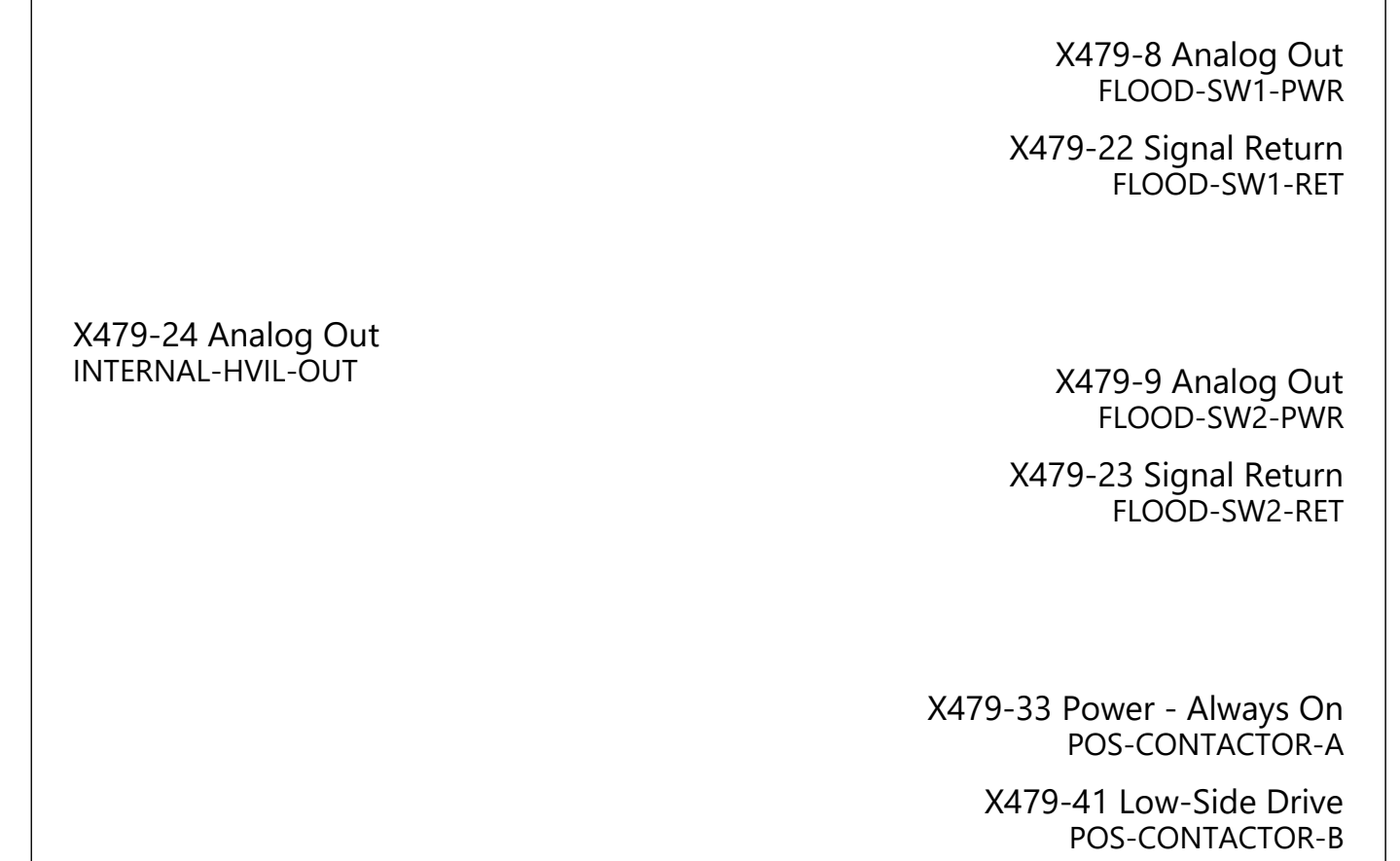
BMB-DAISY-B
H



HV Controller
H



X479-24 Analog Out
INTERNAL-HVIL-OUT



X479-7 Analog In
INTERNAL-HVIL-IN



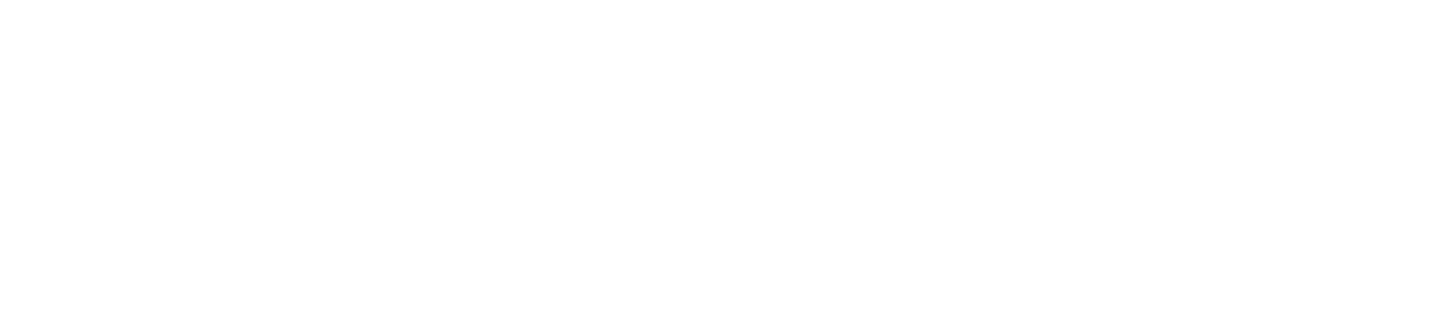
X479-10 Analog Out
CP-HV-CABLES-OK-OUT



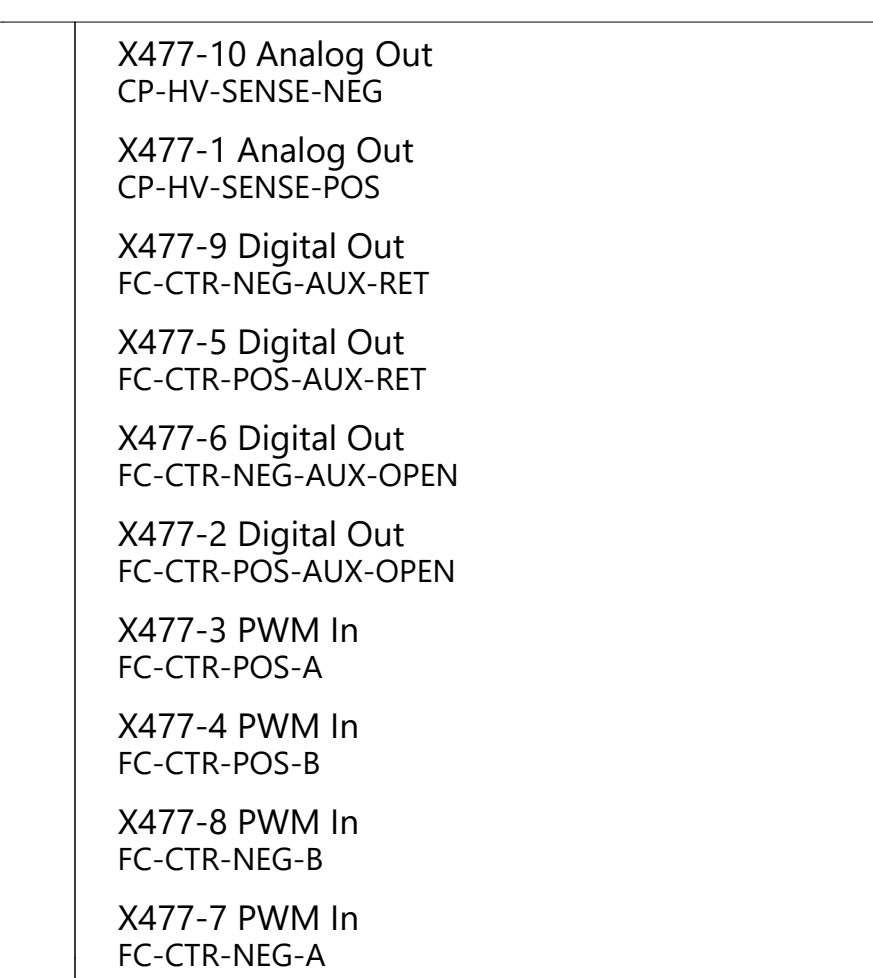
X482-1 Analog Out
BMB-DIR-A p



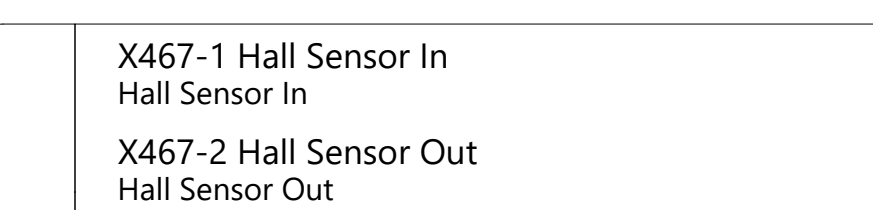
X483-1 Analog Out
BMB-PRI-DIR-B n



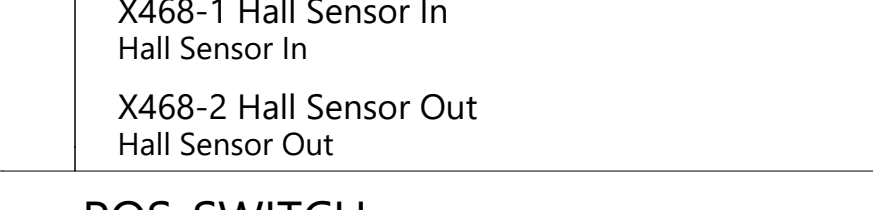
FAS-CHR-CONTACT-P1
H



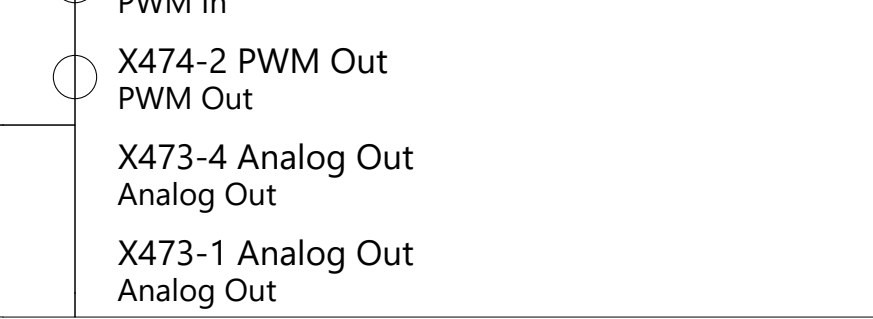
COOLANT-V1
H



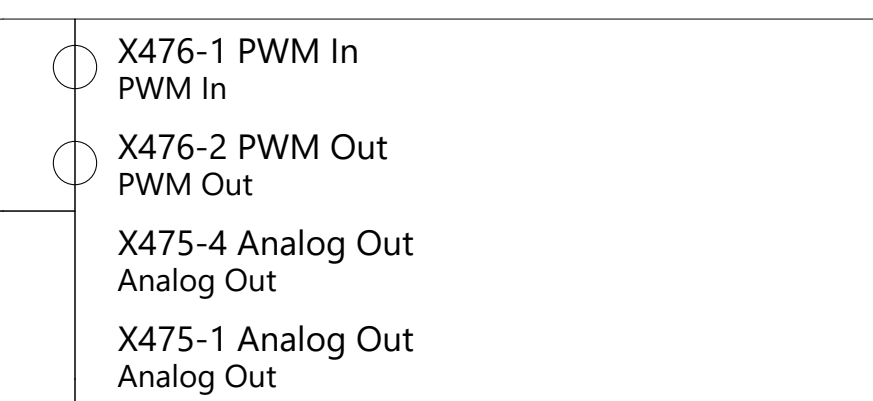
COOLANT-V2
H



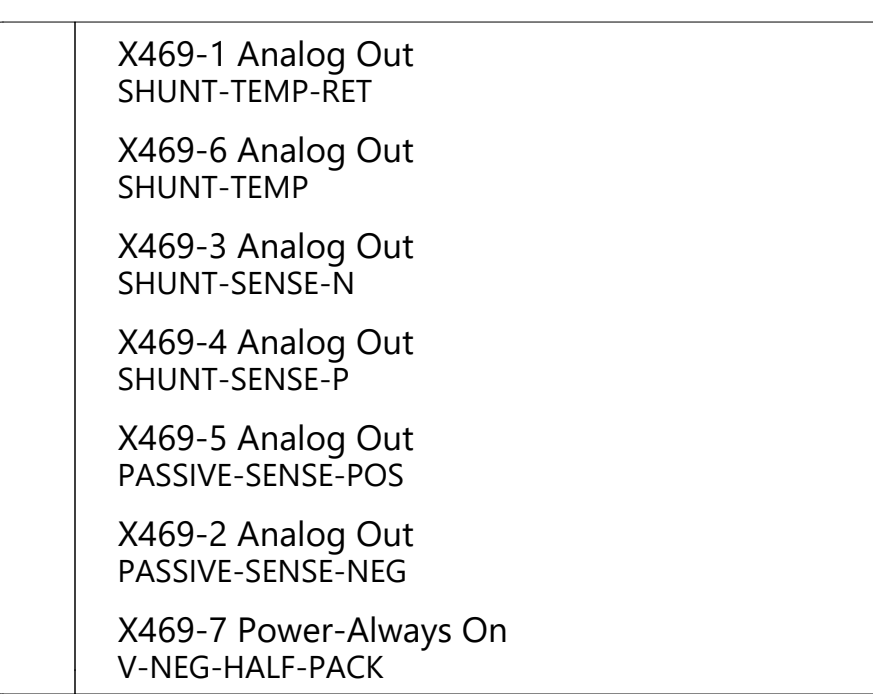
POS-SWITCH
H



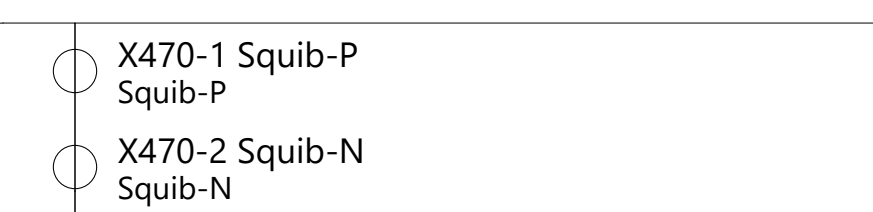
NEG-SWITCH
H



SHUNT-P1
H



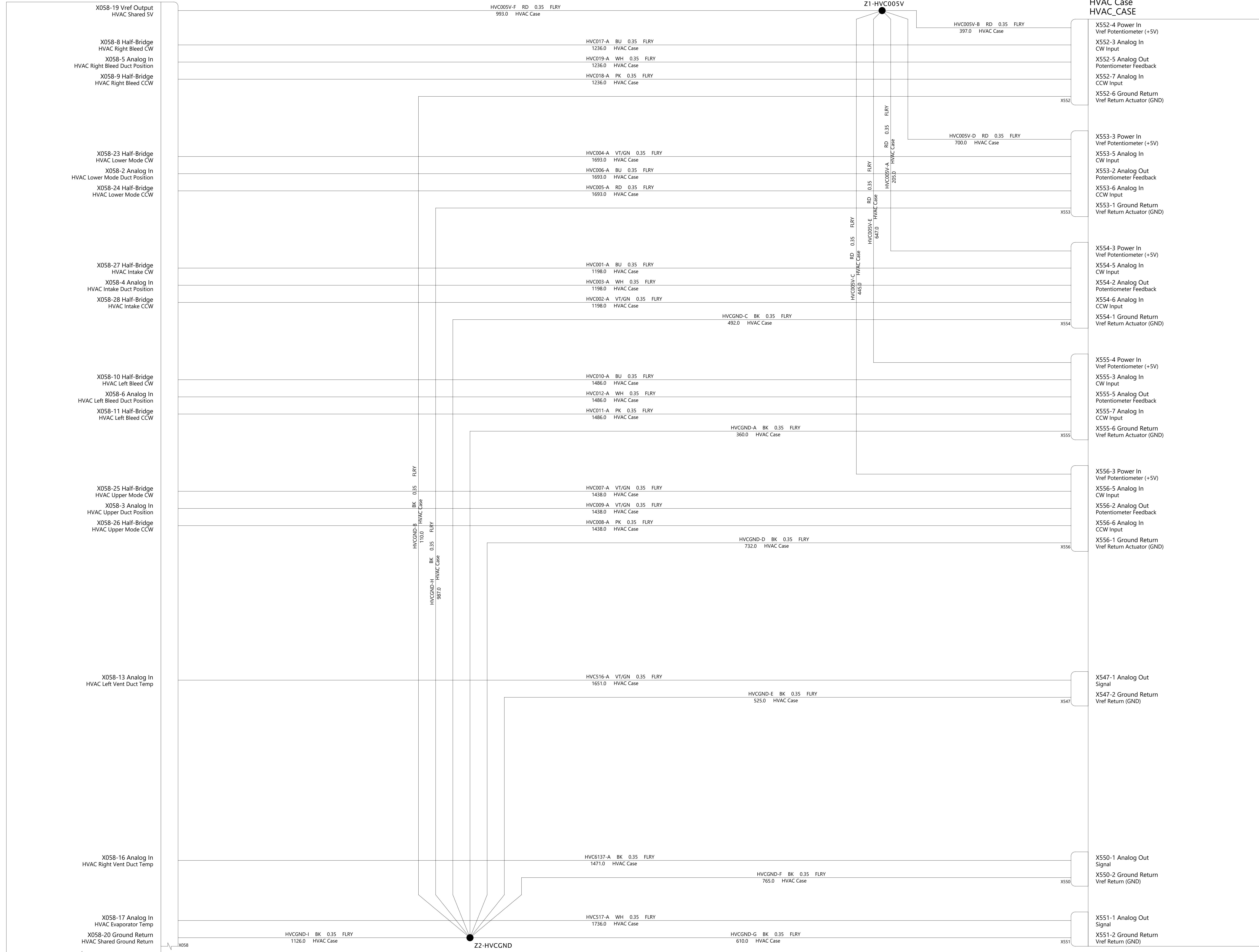
PYRO-DISC-P1
H



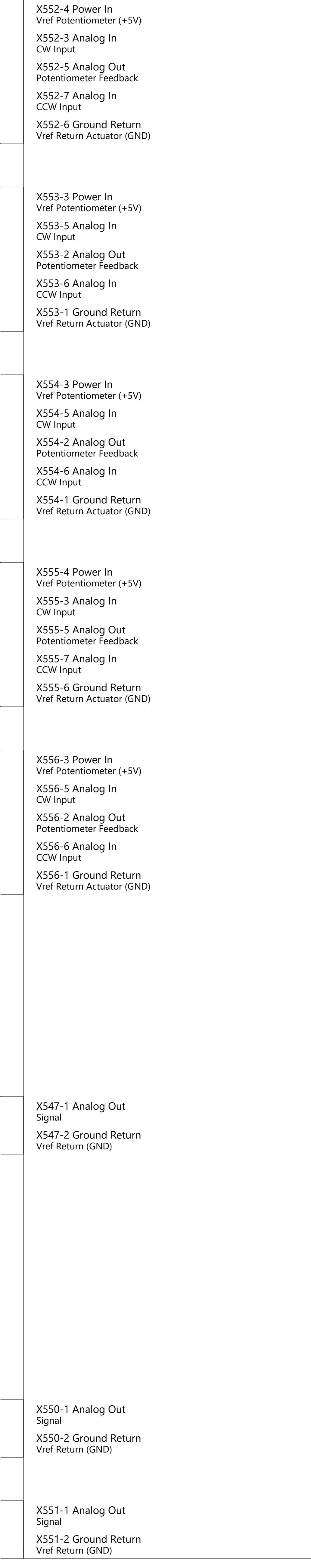
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME HV Penthouse		
PART NUMBER	REV	SHEET
	1	23 OF 41
		SCALE A0

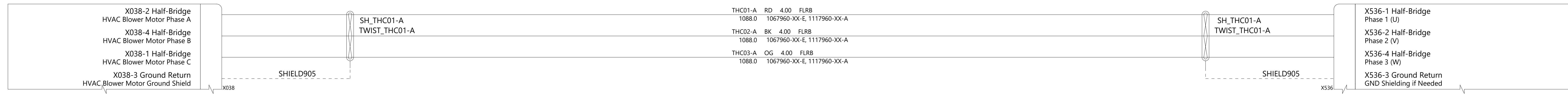
Body Controller Right
B,P,J,W



HVAC Case
HVAC_CASE



Body Controller Left
A,D,J,W,K



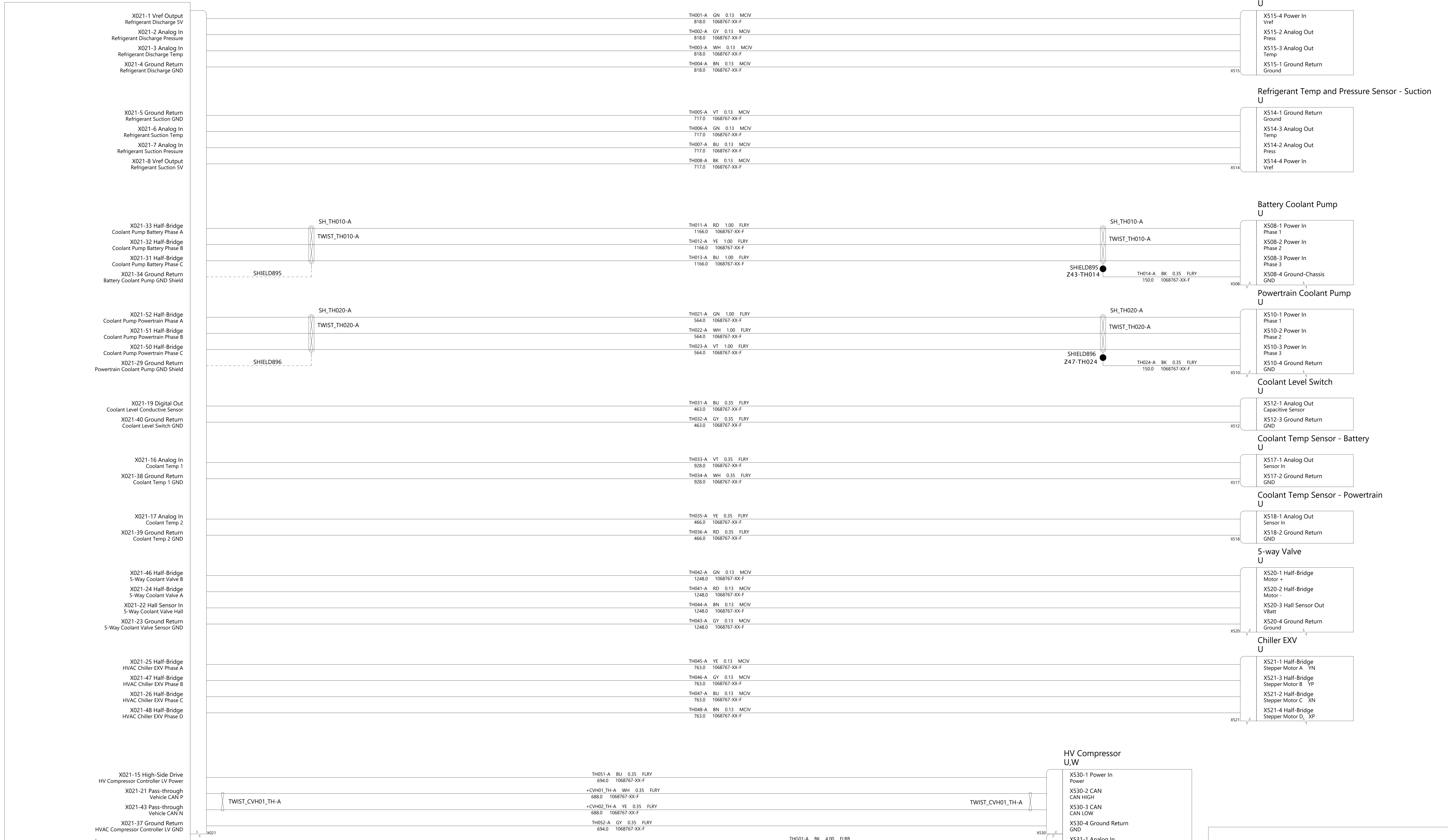
Blower Motor
J



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME HVAC Case Subassembly		
PART NUMBER	REV	SHEET
	1	24 OF 41
		SCALE A0

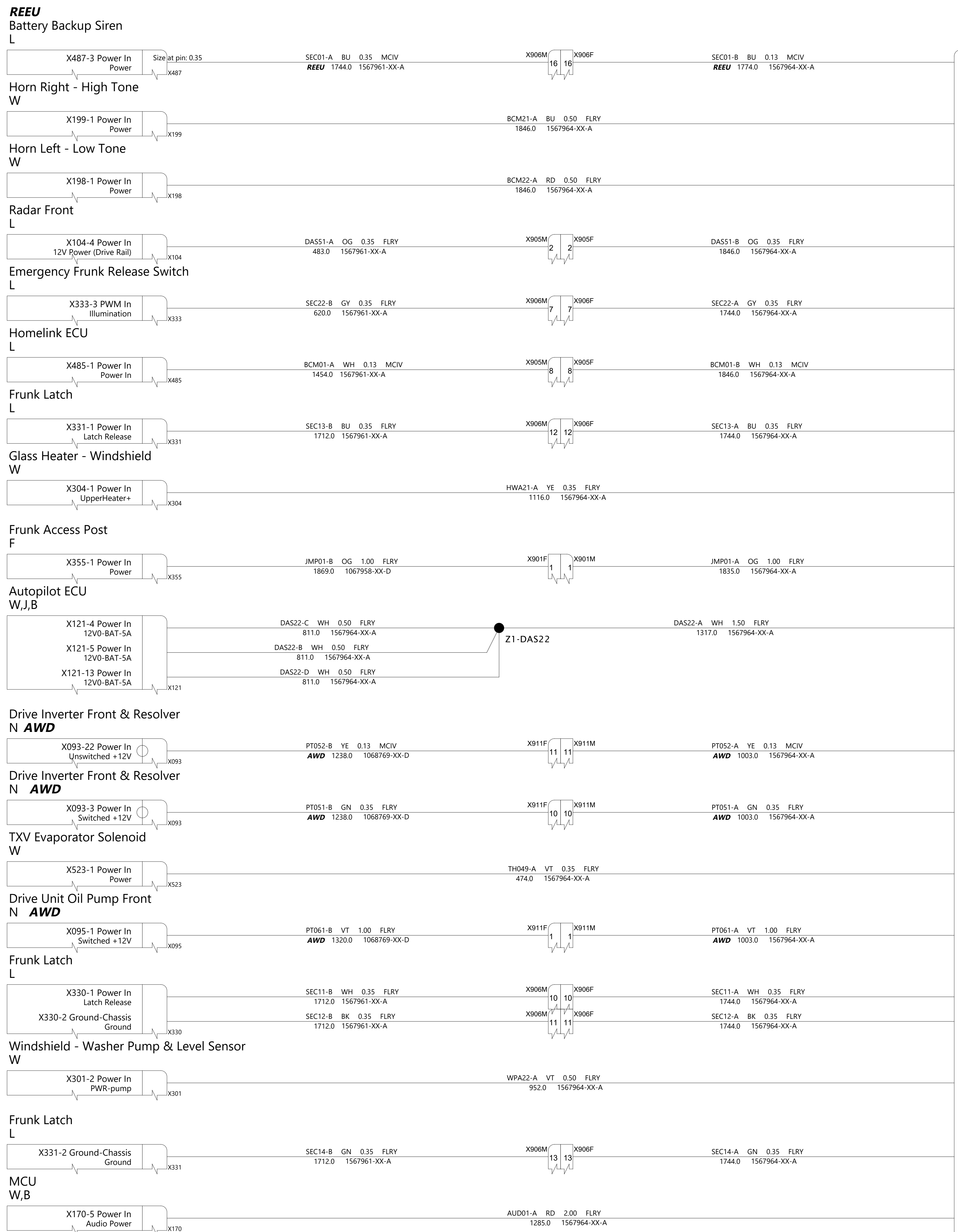
Body Controller Front
W,U



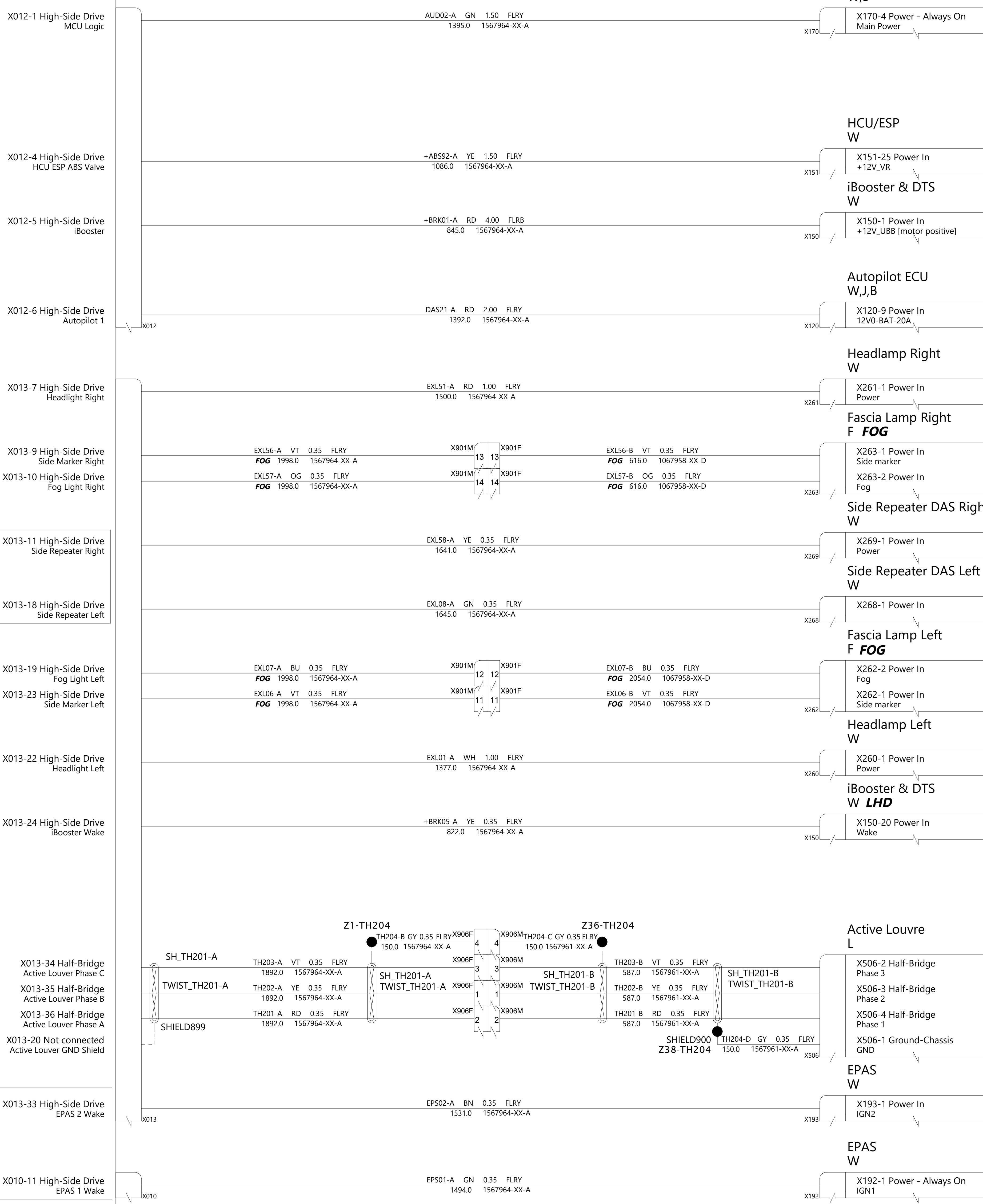
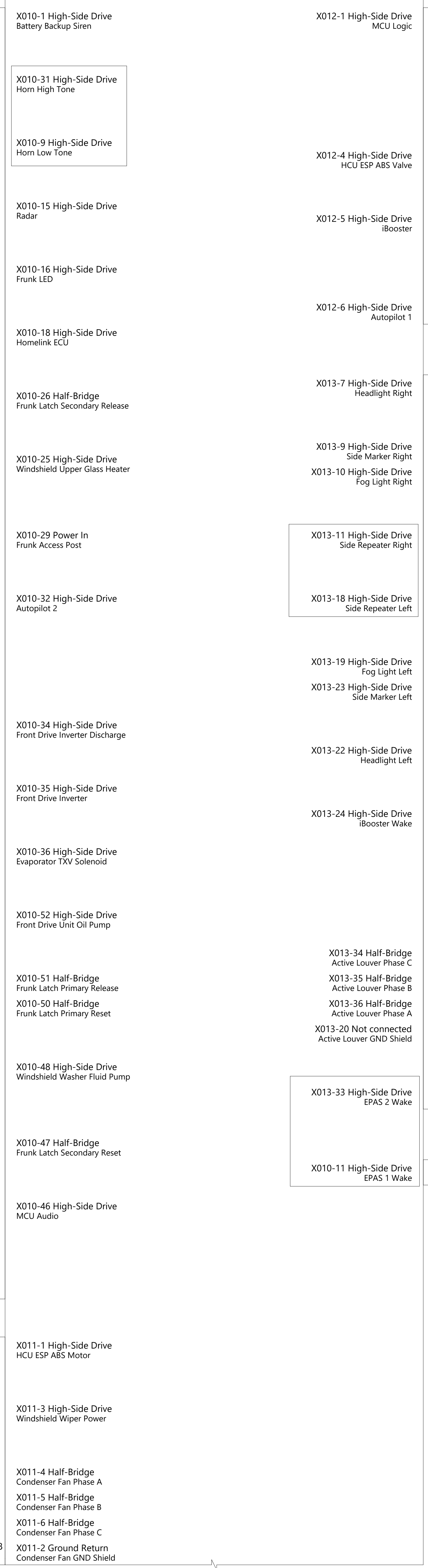
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME HVAC Thermal Subassembly		
PART NUMBER	REV	SHEET
	1	25 OF 41
		SIZE A0



Body Controller Front W,U

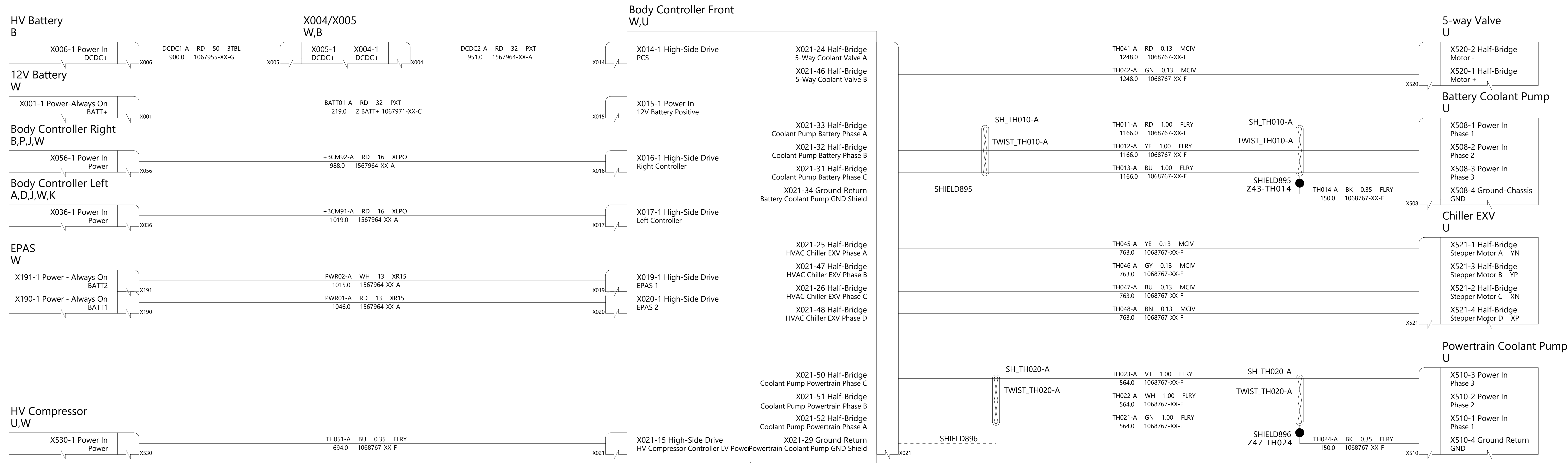


□ = Shared E-Fuses



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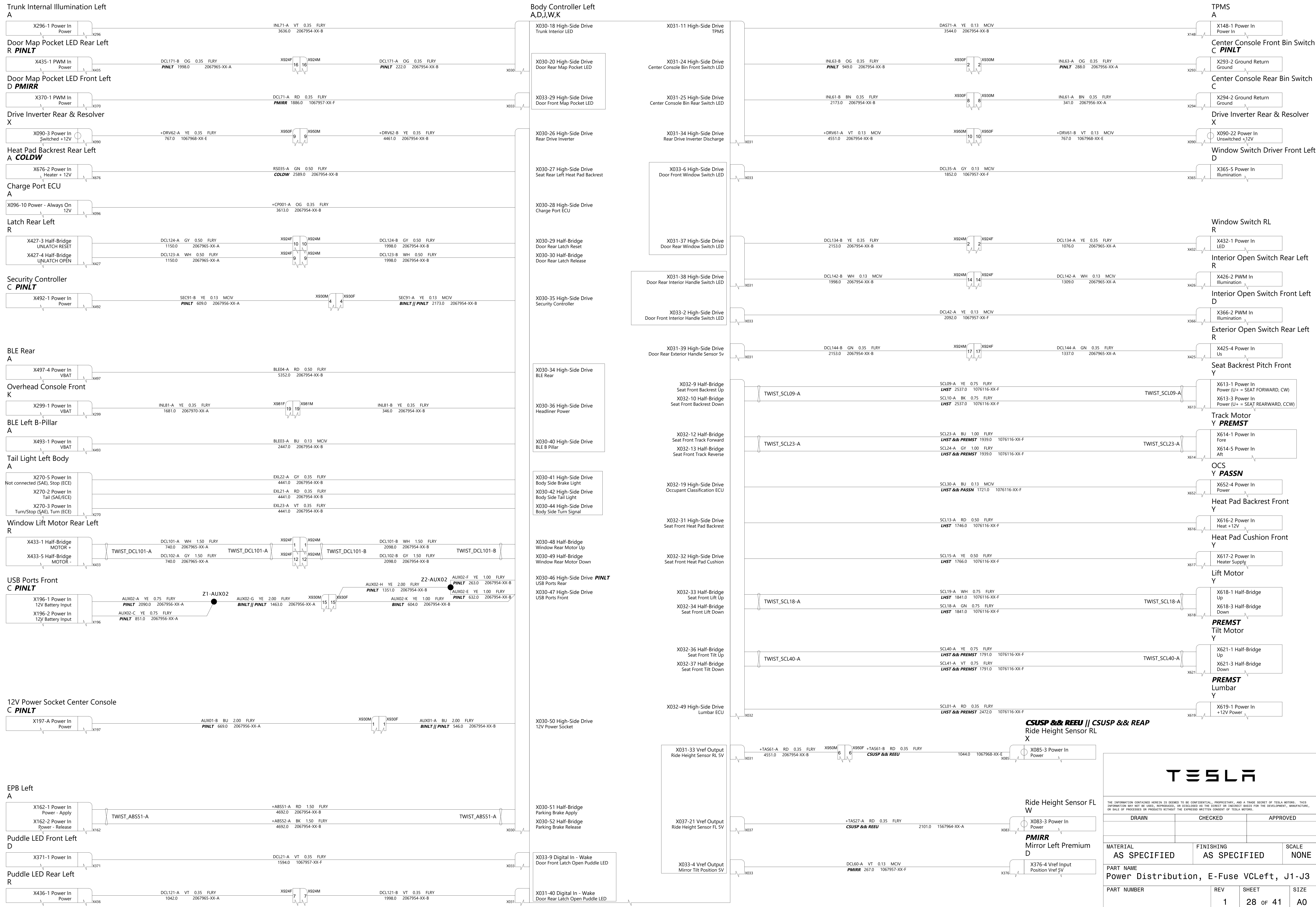
DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, E-Fuse VCFront, J1-J4		
PART NUMBER	REV	SHEET
	1	26 OF 41
		SIZE A0



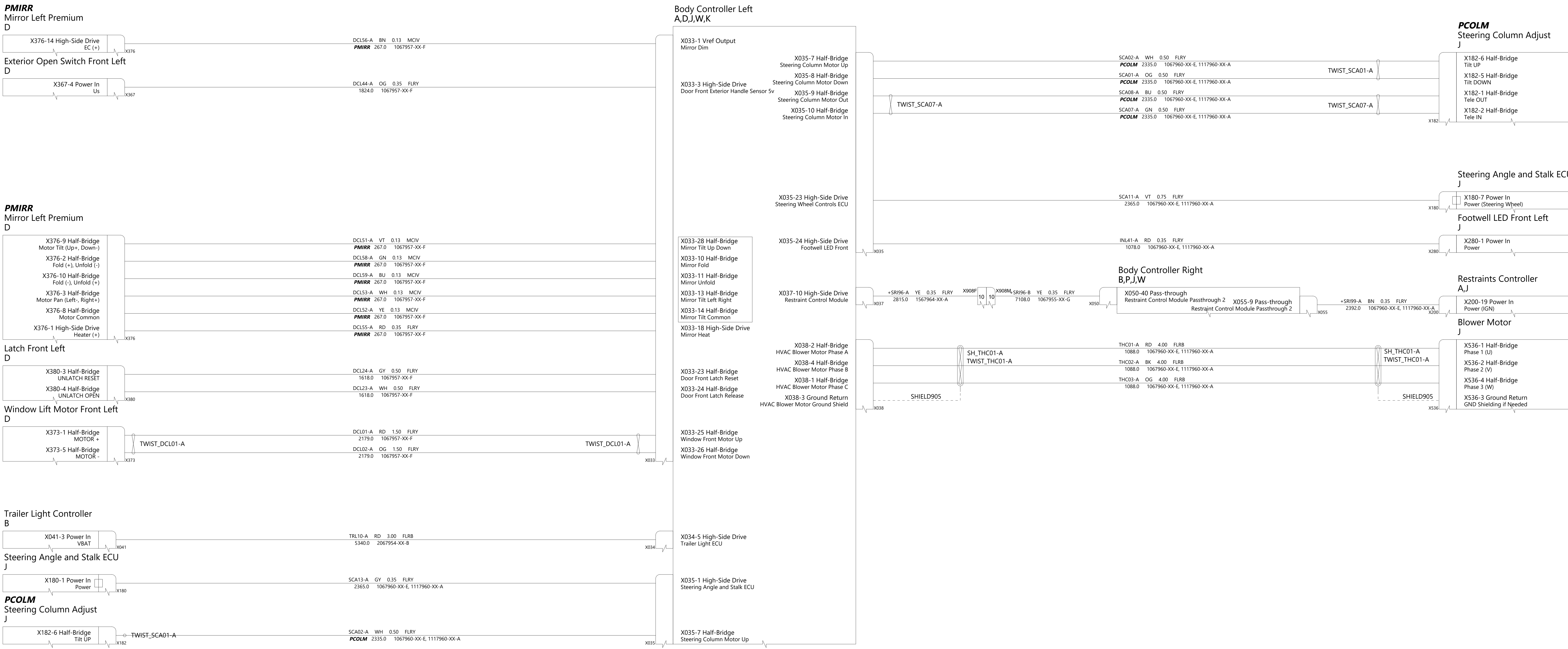
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, E-Fuse VCFront, J5-J12		
PART NUMBER	REV	SHEET
	1	27 OF 41
		SIZE A0

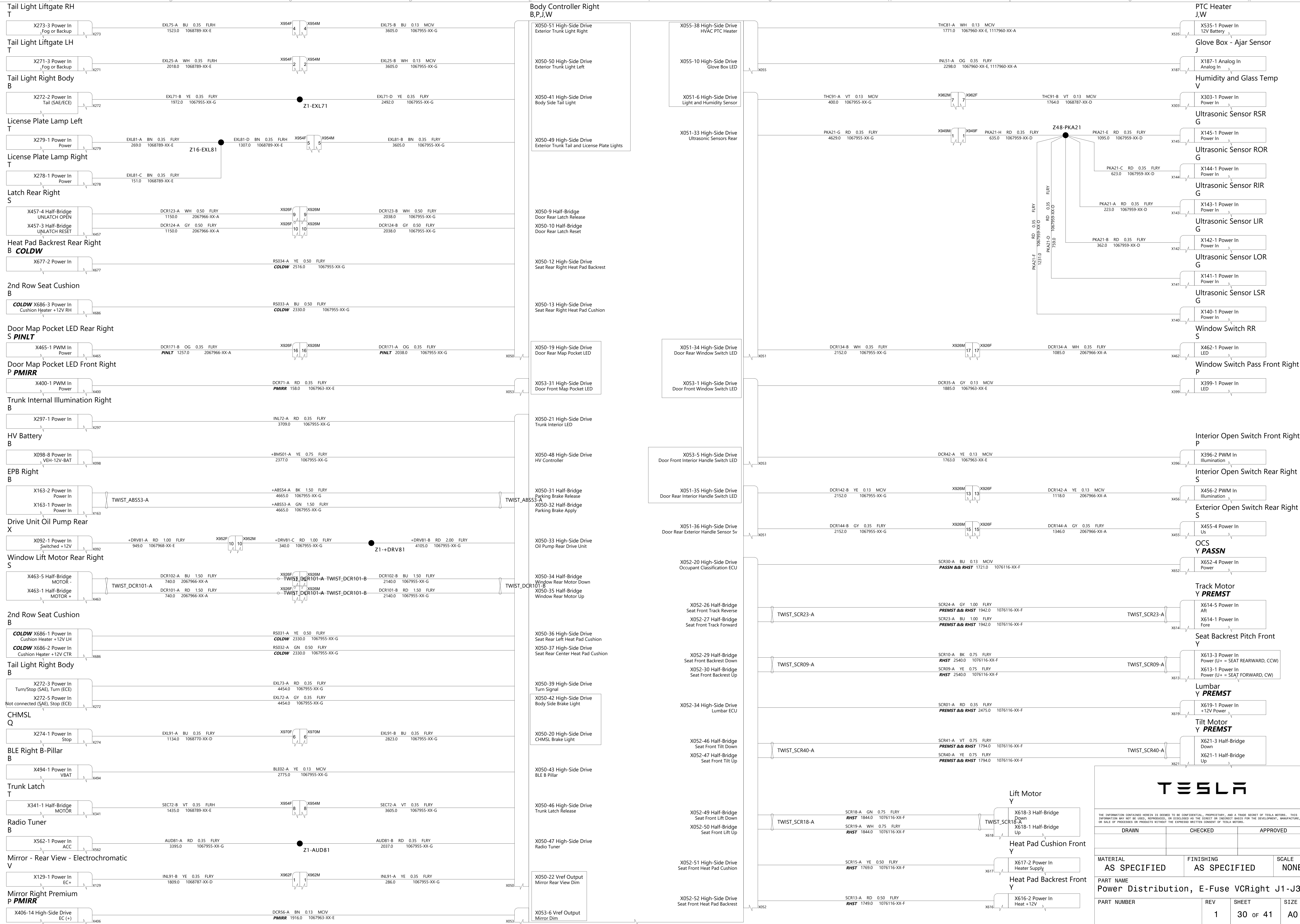


TESLA			
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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED		FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, E-Fuse VLeft, J1-J3			
PART NUMBER	REV	SHEET	SIZE
	1	28 OF 41	A0



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, E-Fuse VLeft, J4-J9		
PART NUMBER	REV	SHEET
	1	29 OF 41
		SIZE A0



TESLA

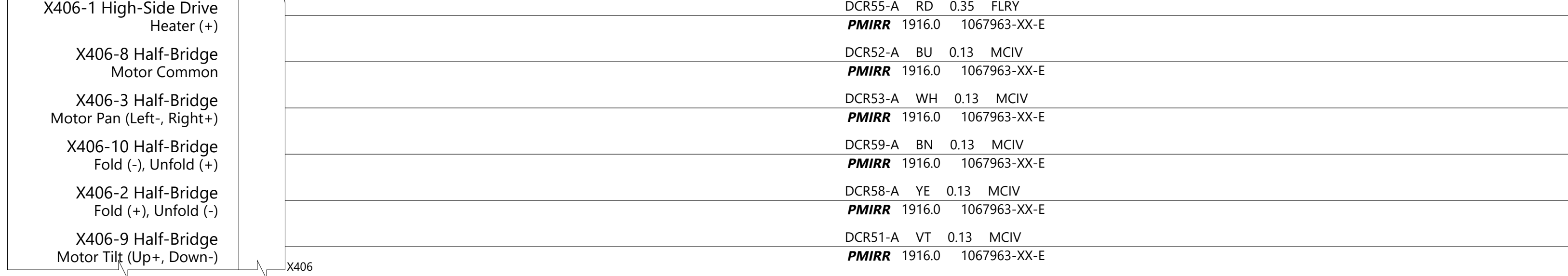
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, E-Fuse VCRight J1-J3		
PART NUMBER	REV	SHEET
	1	30 OF 41
SIZE		
A0		

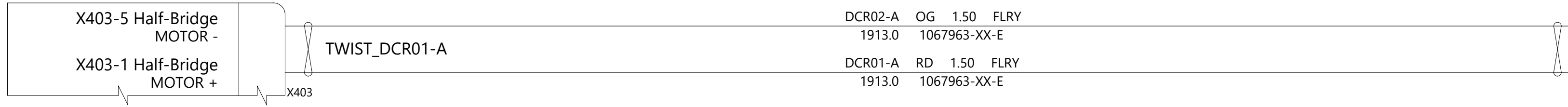
Exterior Open Switch Front Right
P



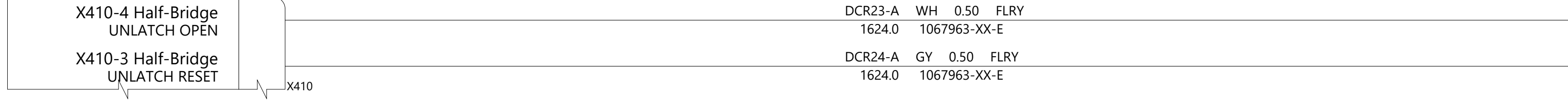
PMIRR
Mirror Right Premium
P



Window Lift Motor Front Right
P



Latch Front Right
P



PMIRR
Mirror Right Premium
P



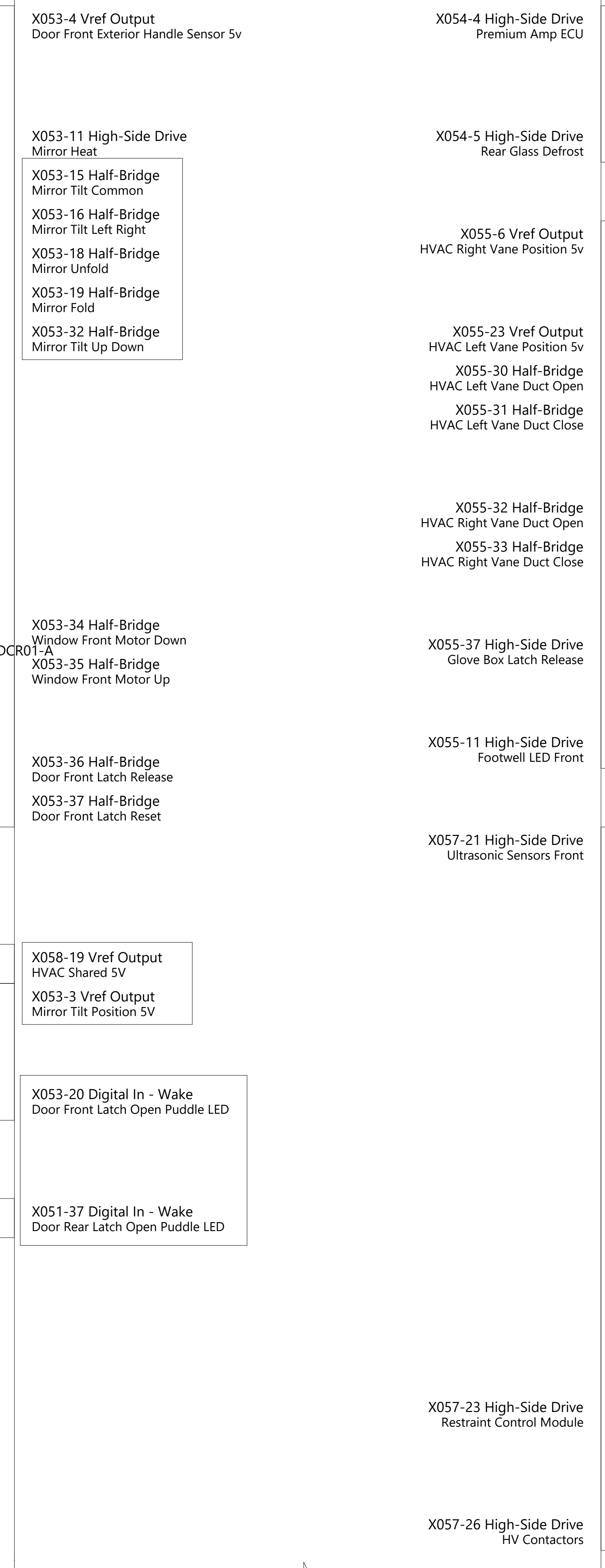
Puddle LED Front Right
P



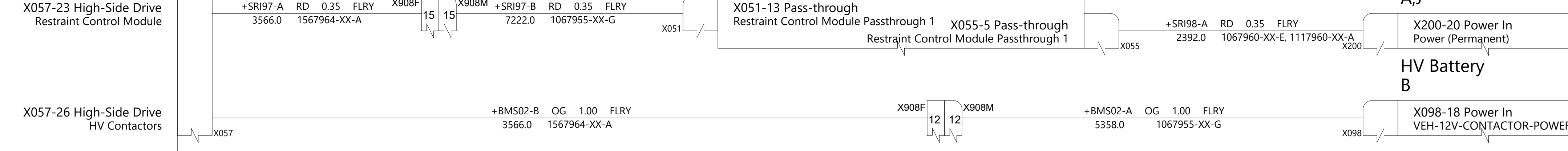
Puddle LED Rear Right
S



Body Controller Right
B,P,J,W



Body Controller Right
B,P,J,W



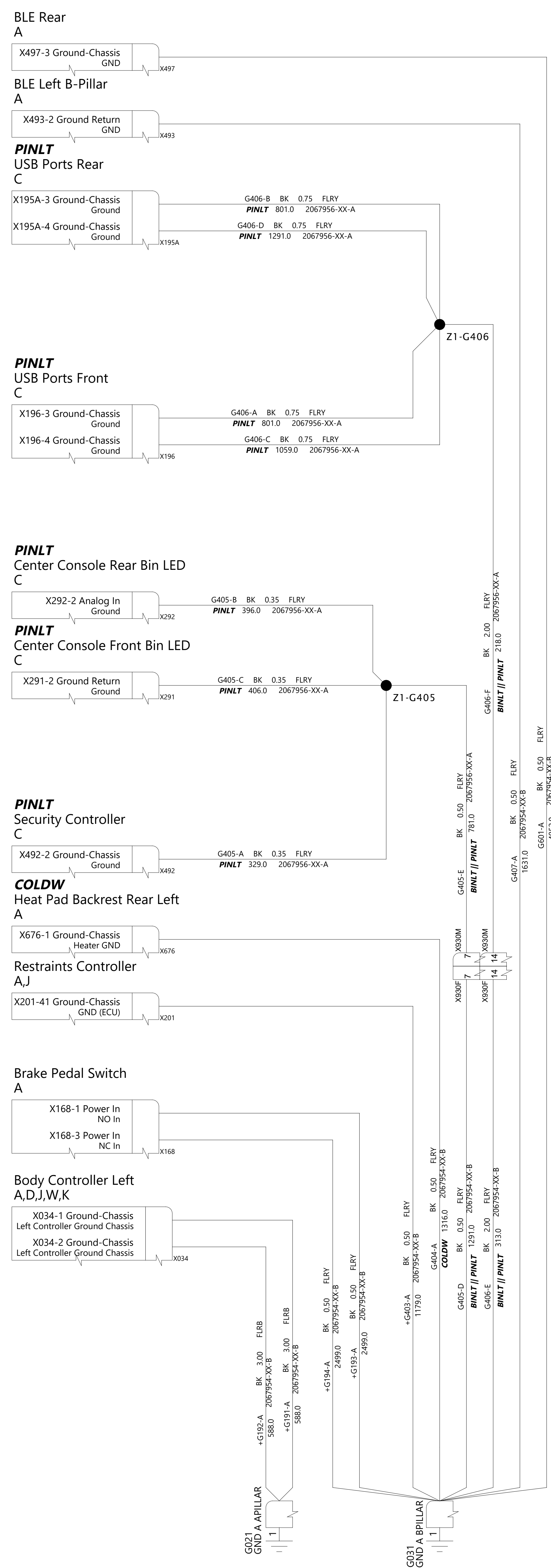
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DRAWN	CHECKED	APPROVED
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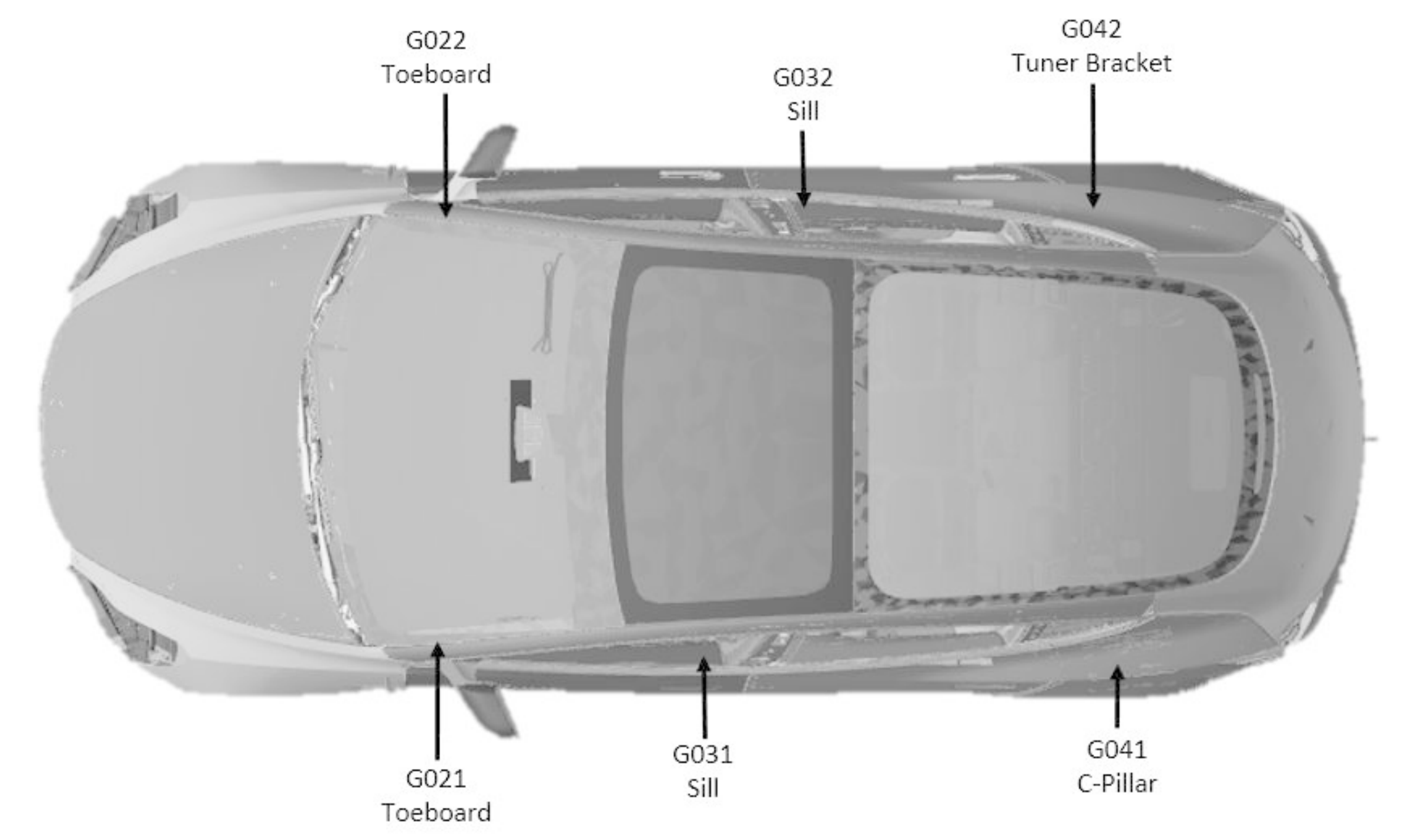
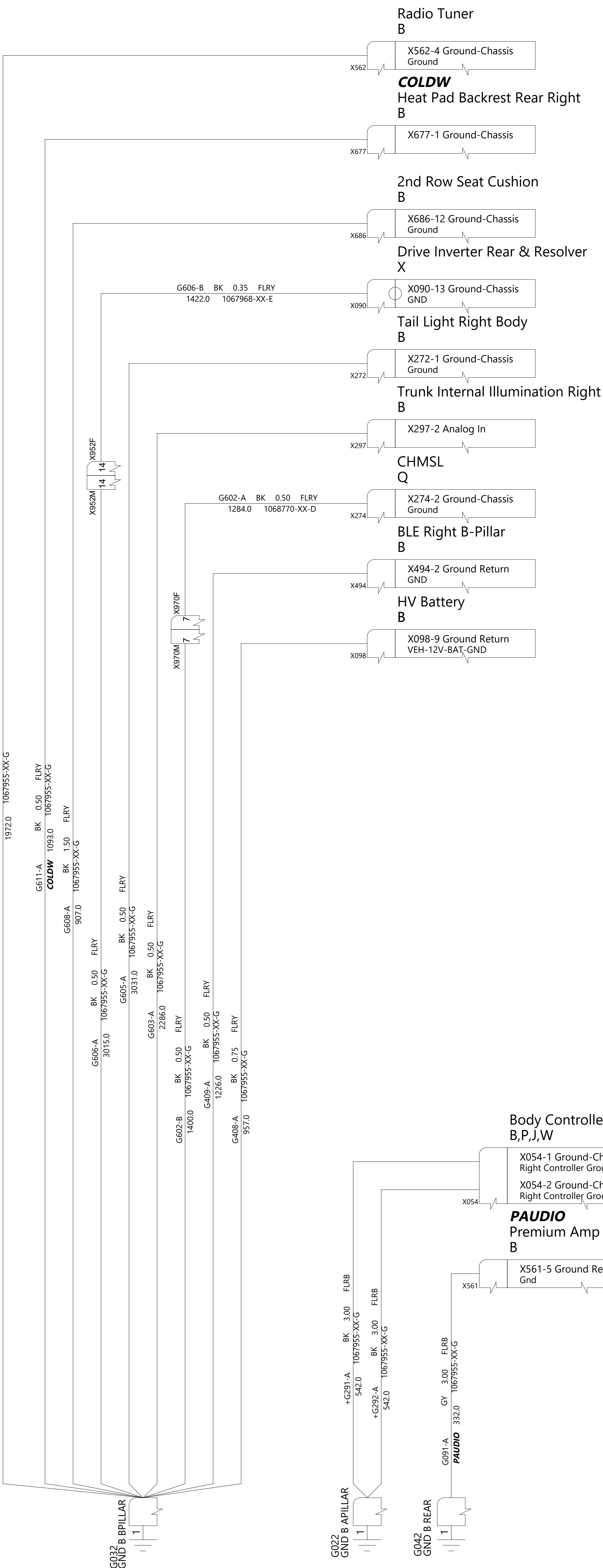
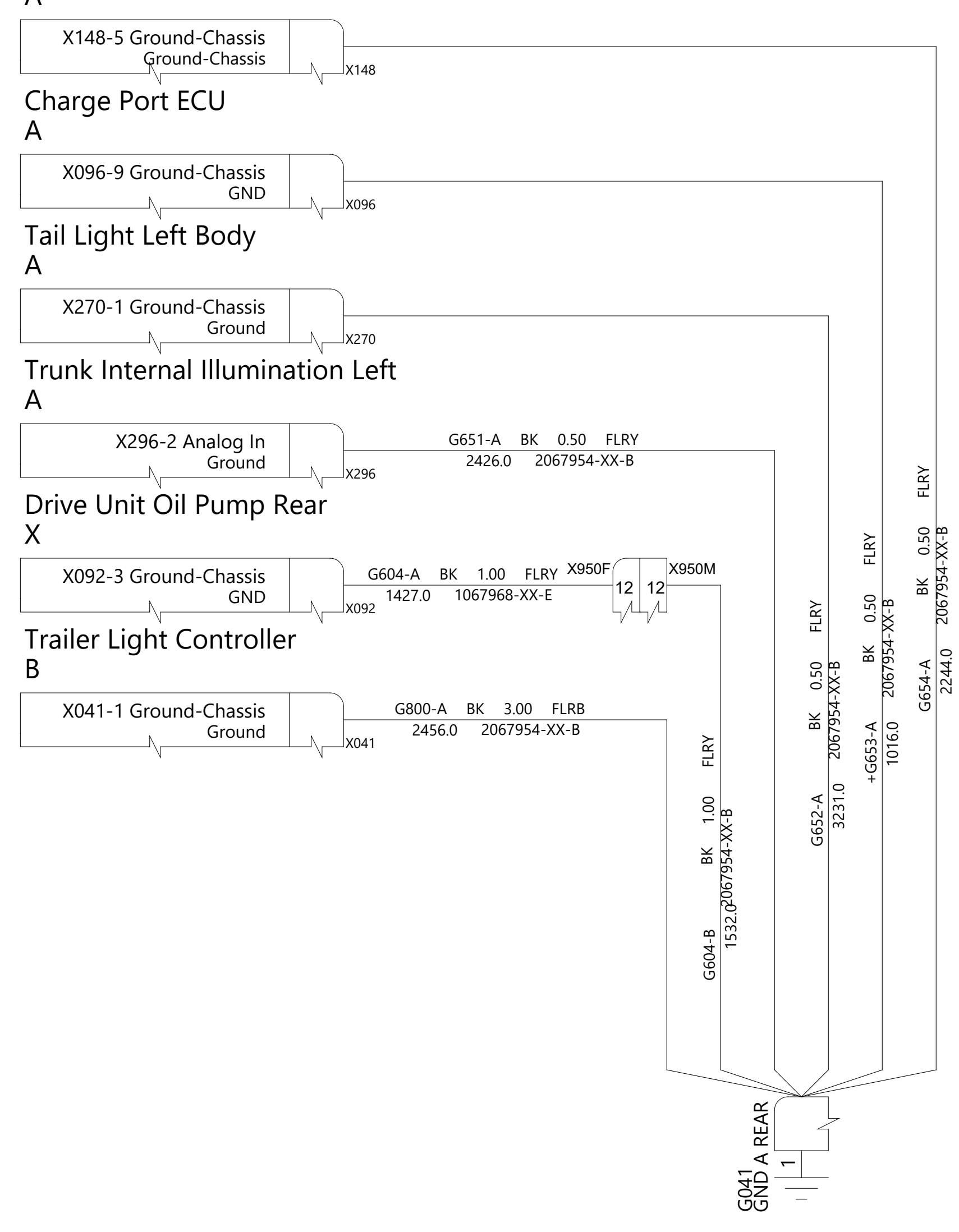
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Power Distribution, E-Fuse VCRight J4-J9

PART NUMBER	REV	SHEET	SIZE
	1	31 OF 41	A0



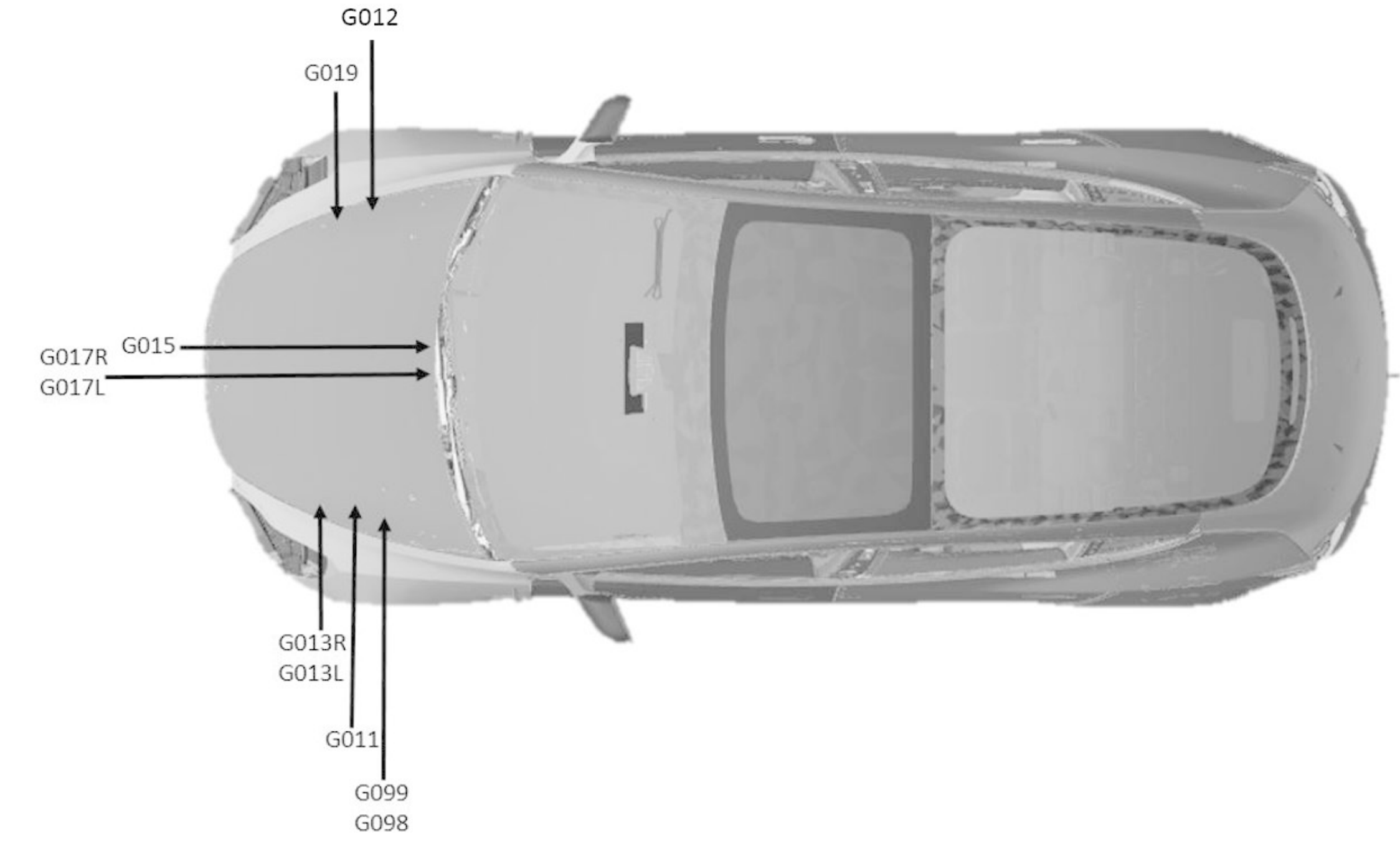
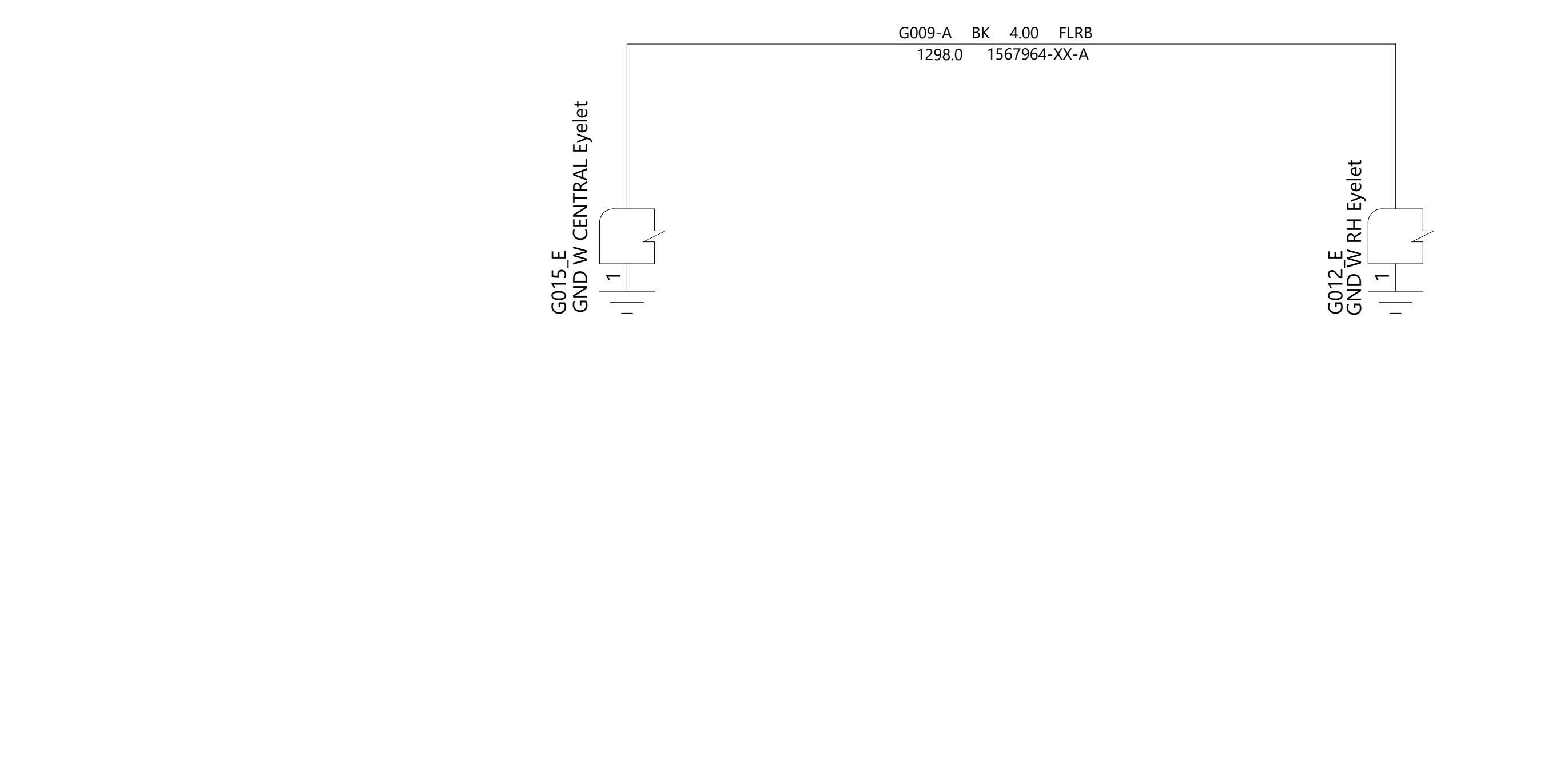
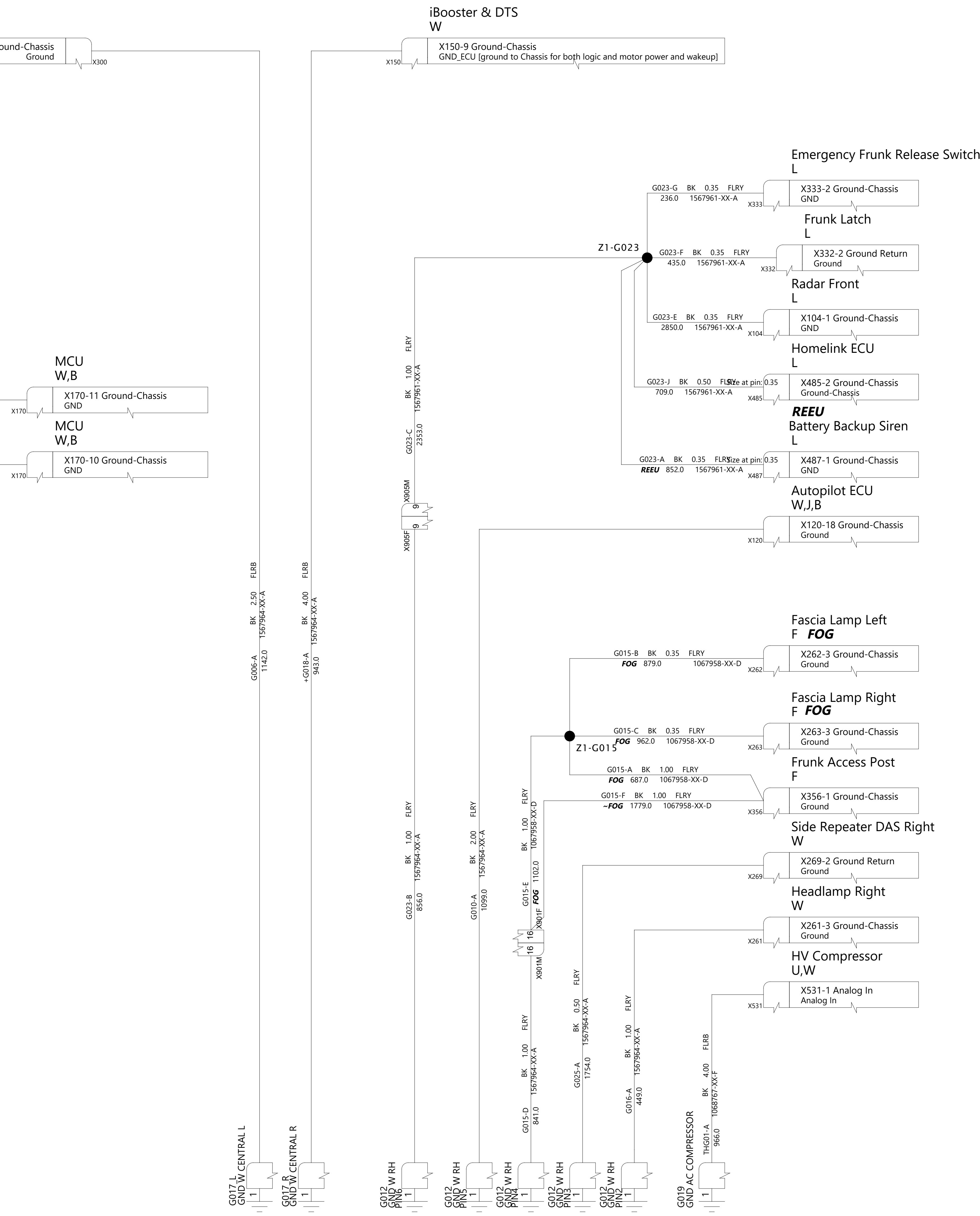
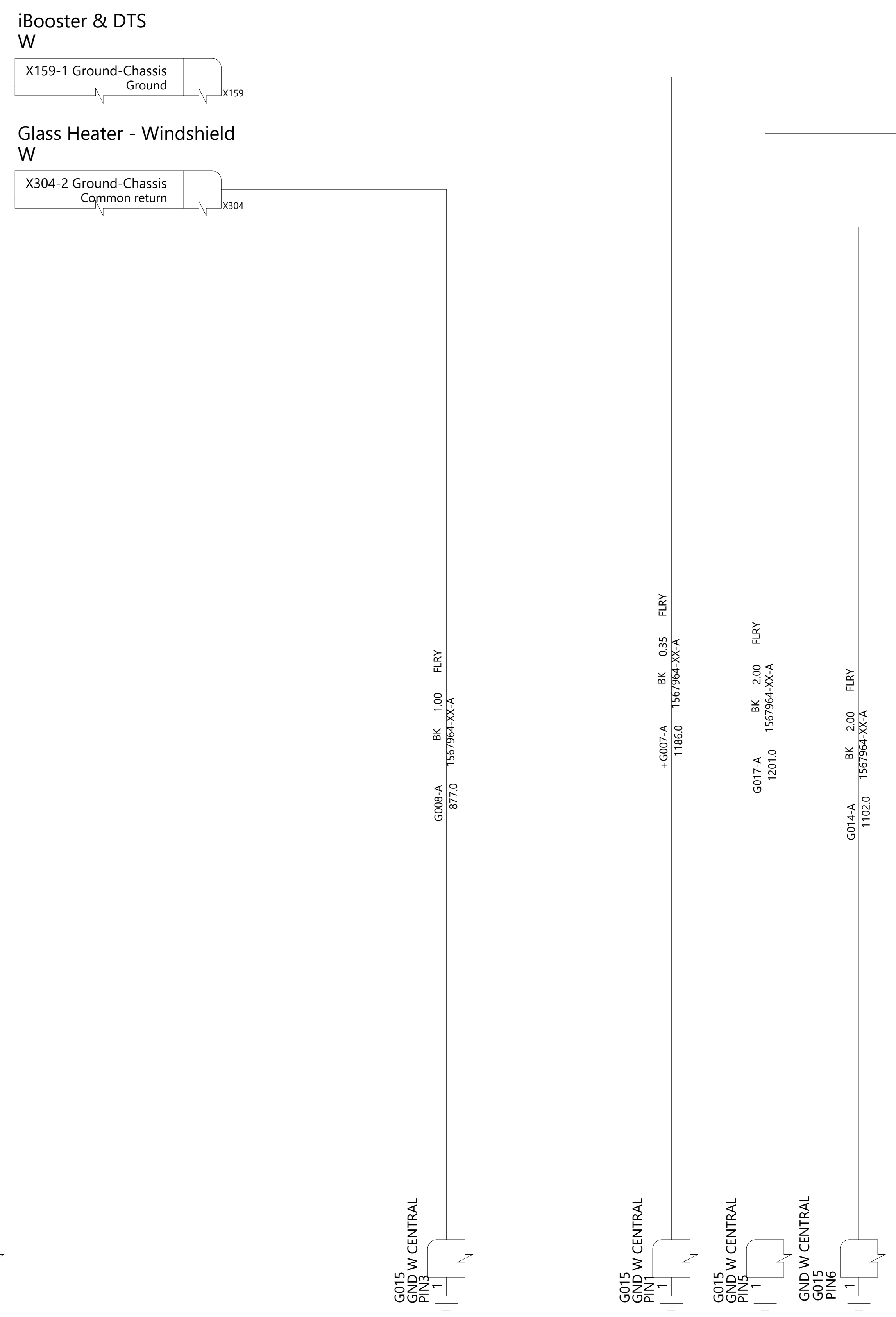
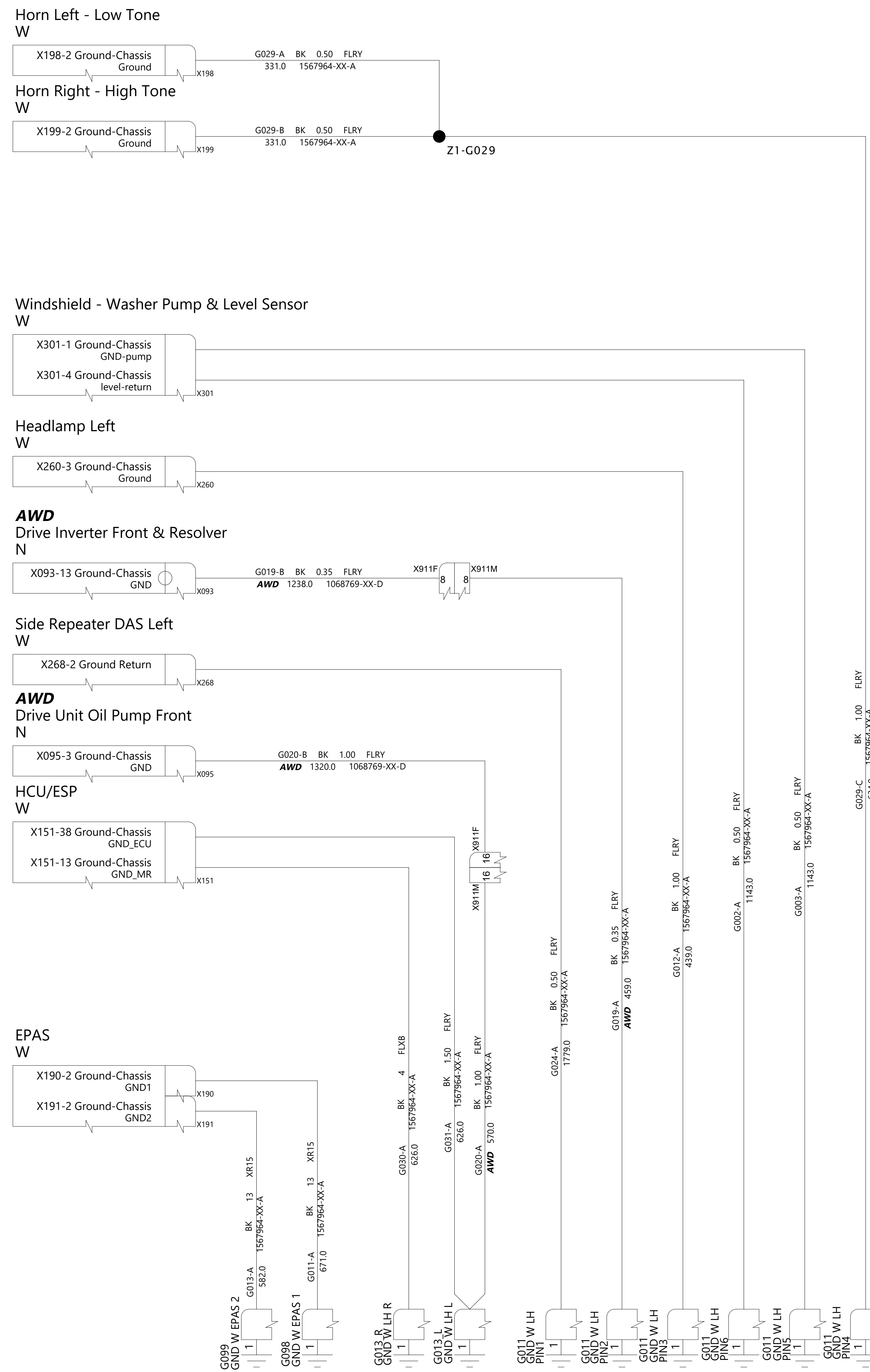
TPMS



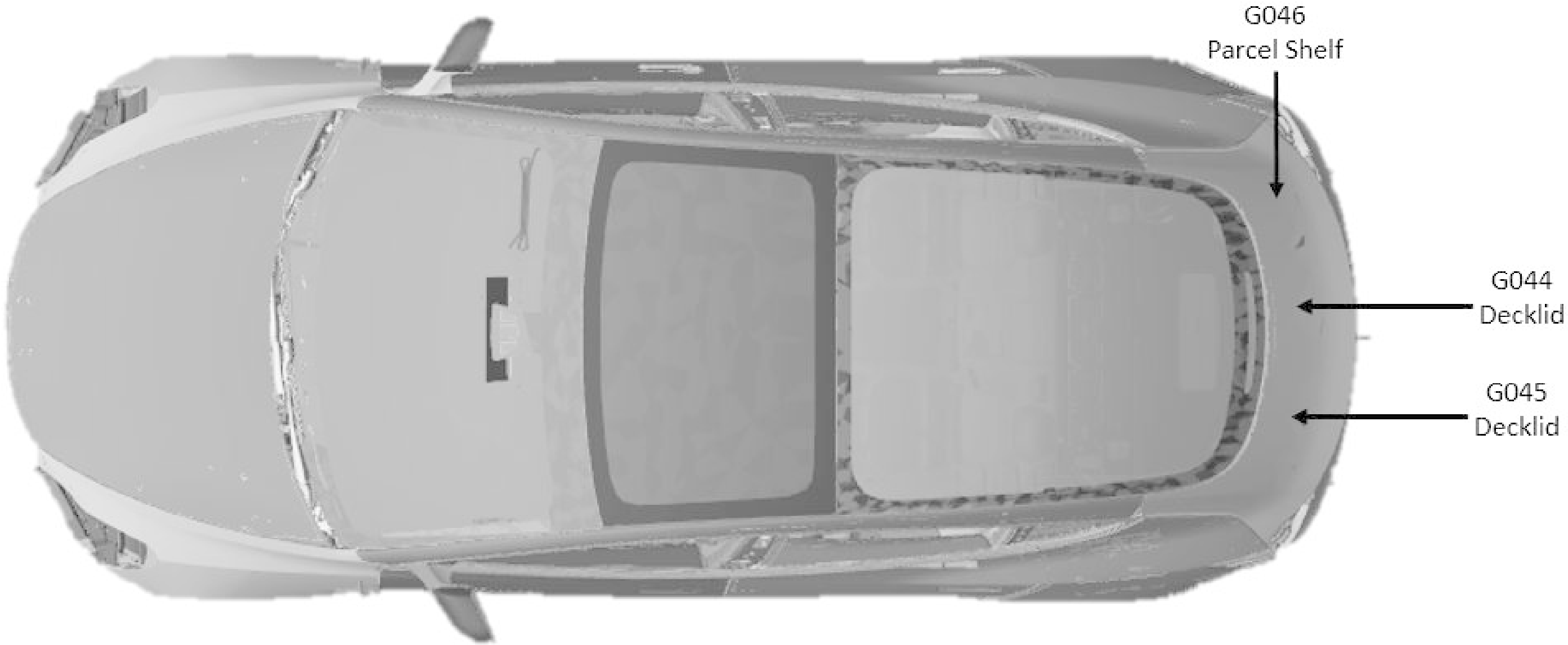
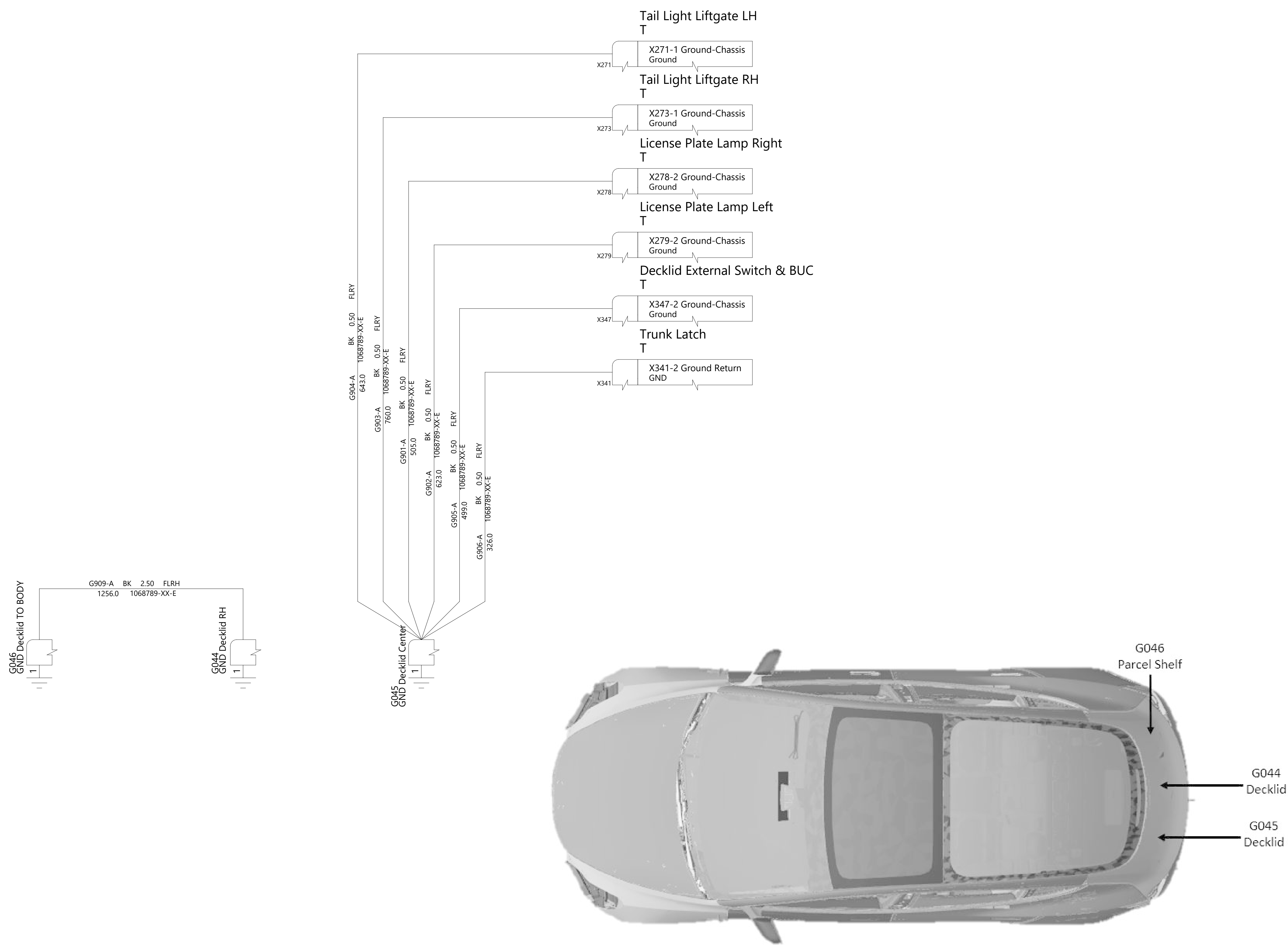
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, Grounding A, B, C Pillars		
PART NUMBER	REV	SHEET
	1	32 OF 41
		SIZE
		A0



TESLA			
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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE	
PART NAME Power Distribution, Grounding Frunk			
PART NUMBER	REV	SHEET	SIZE
	1	33 OF 41	A0



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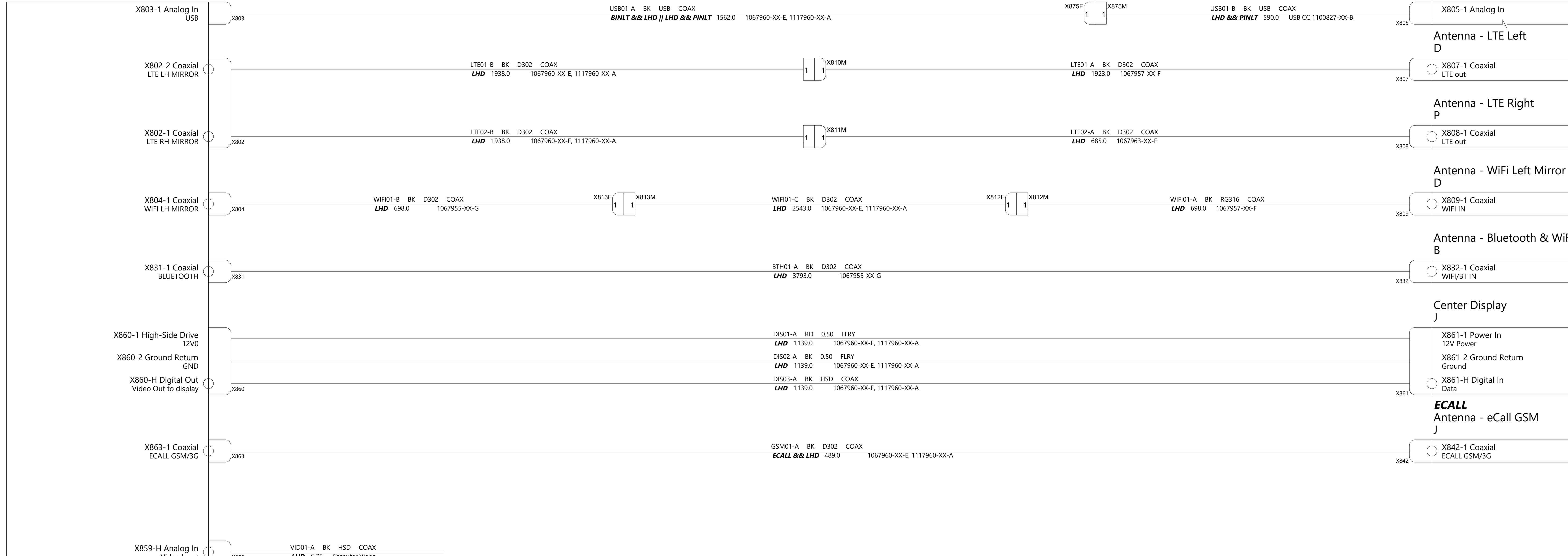
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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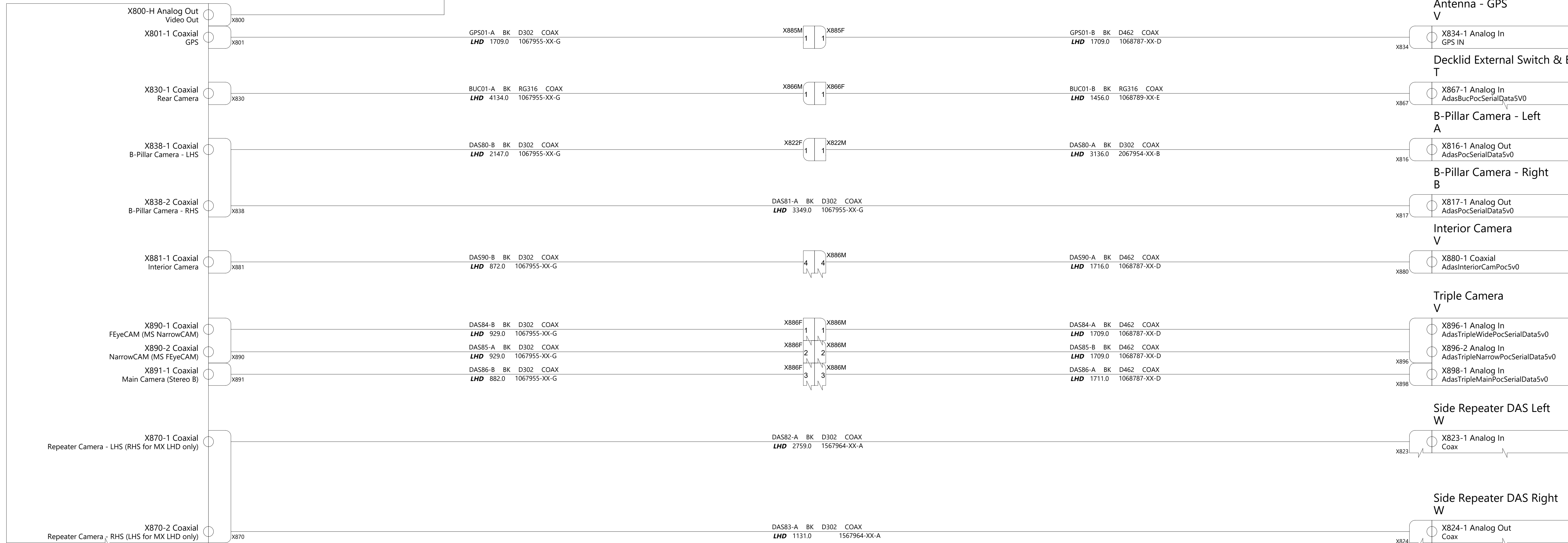
PART NAME
Power Distribution, Grounding Trunk

PART NUMBER	REV	SHEET	SIZE
	1	34 OF 41	A0

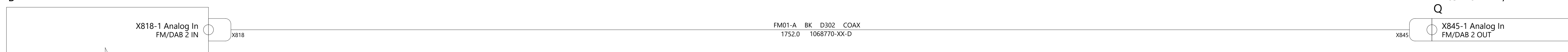
LHD
MCU
W,B



Autopilot ECU
W,J,B LHD



Radio Tuner
B



USB Ports Front
C

X805-1 Analog In

Antenna - LTE Left
D

X807-1 Coaxial LTE out

Antenna - LTE Right
P

X808-1 Coaxial LTE out

Antenna - WiFi Left Mirror
D

X809-1 Coaxial WIFI IN

Antenna - Bluetooth & WiFi
B

X832-1 Coaxial WIFI/BT IN

Center Display
J

X861-1 Power In 12V Power

X861-2 Ground Return Ground

X861-H Digital In Data

ECALL
Antenna - eCall GSM
J

X842-1 Coaxial ECALL GSM/3G

Antenna - GPS
V

X834-1 Analog In GPS IN

Decklid External Switch & BUC
T

X867-1 Analog In AdasBucPocSerialData5v0

B-Pillar Camera - Left
A

X816-1 Analog Out AdasPocSerialData5v0

B-Pillar Camera - Right
B

X817-1 Analog Out AdasPocSerialData5v0

Interior Camera
V

X880-1 Coaxial AdasInteriorCamPoc5v0

Triple Camera
V

X896-1 Analog In AdasTripleWidePocSerialData5v0

X896-2 Analog In AdasTripleNarrowPocSerialData5v0

X898-1 Analog In AdasTripleMainPocSerialData5v0

Side Repeater DAS Left
W

X823-1 Analog In Coax

Side Repeater DAS Right
W

X824-1 Analog Out Coax

Antenna - FM/DAB
Q

X845-1 Analog In FM/DAB 2 OUT



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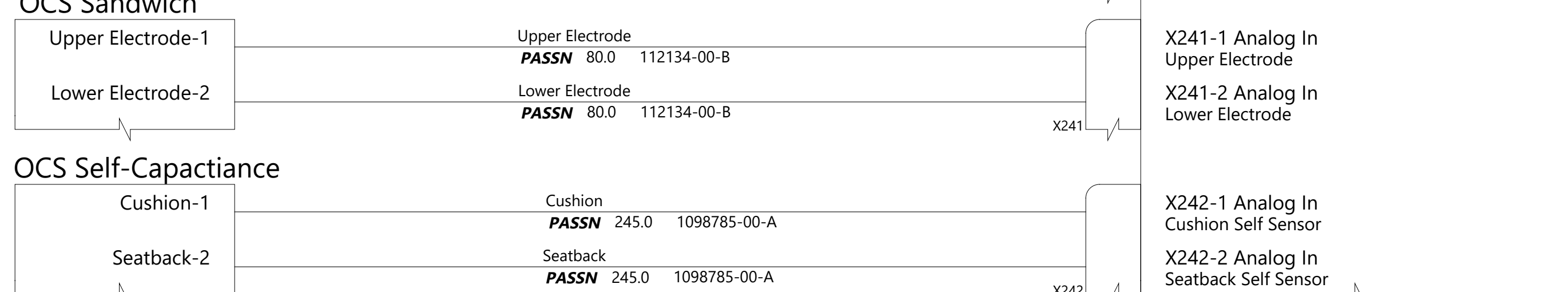
DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
RF/Special Cables

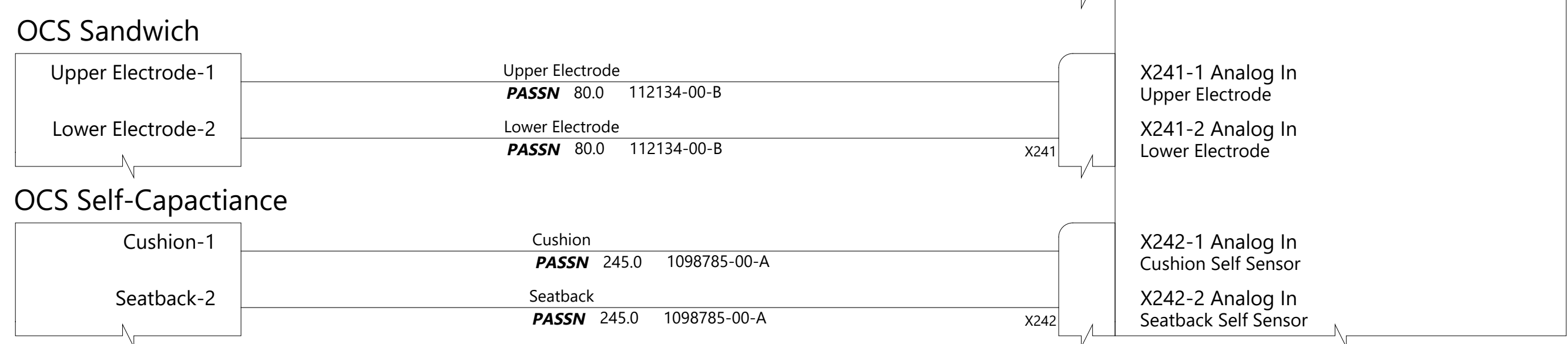
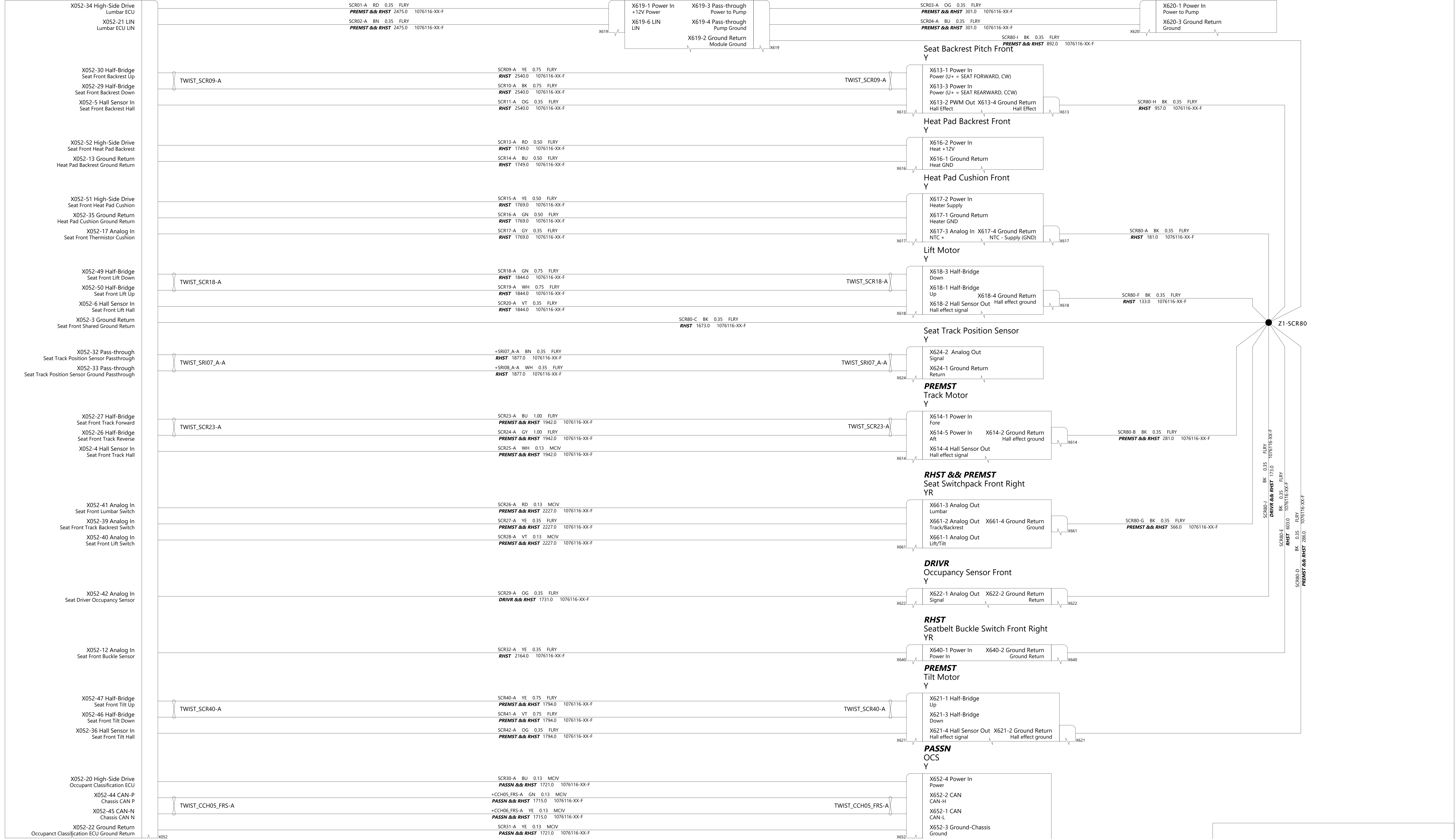
PART NUMBER	REV	SHEET	SCALE
	1	36 OF 41	A0

Body Controller Left
A,D,J,W,K



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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE	
PART NAME Seats Front Left			
PART NUMBER	REV	SHEET	SIZE
	1	37 OF 41	A0

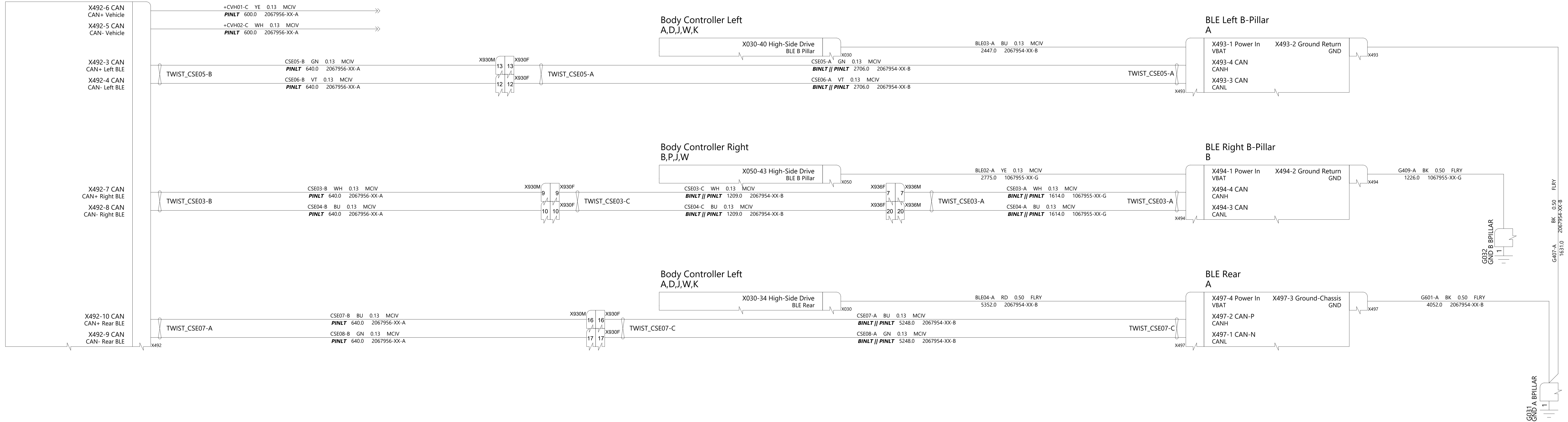
Body Controller Right
B,P,J,W



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Seats Front Right		
PART NUMBER	REV	SHEET
	1	38 OF 41
		SCALE A0

PINLT
Security Controller
C



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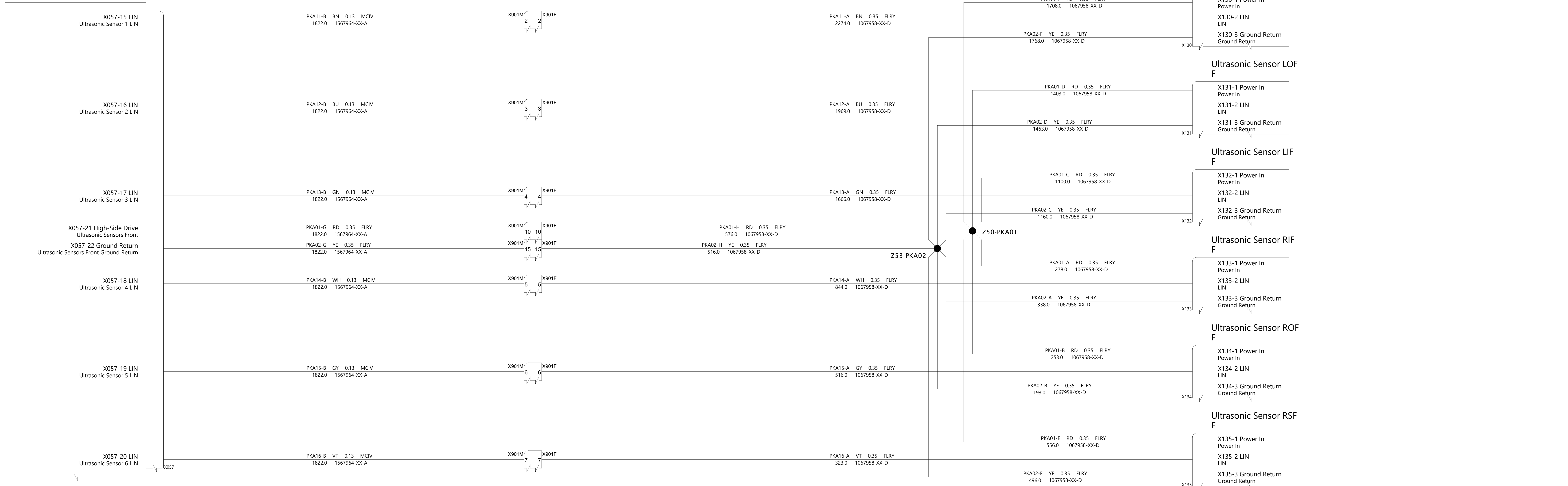
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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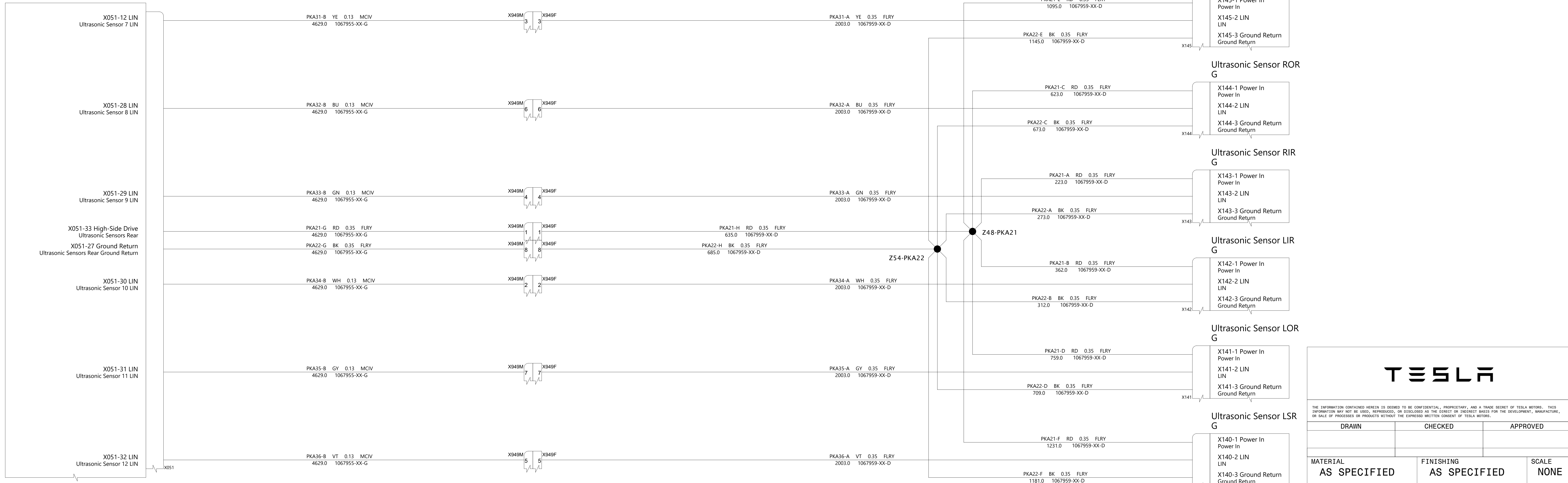
PART NAME
Security Controls

PART NUMBER	REV	SHEET	SIZE
	1	39 OF 41	A0

Body Controller Right
B,P,J,W



Body Controller Right
B,P,J,W



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Ultrasonics		
PART NUMBER	REV	SHEET
	1	41 OF 41
		SIZE A0