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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	TT	LIFT GATE TRIM
B	RH BODY	UHP	THERMAL, HEAT PUMP
C	CENTER CONSOLE	V	GLASS
D	LH FR DOOR	W	FRUNK
F	FR FASCIA	X	REAR SUBFRAME
G	RR FASCIA	Y	1ST ROW SEATS
H	HV PENTHOUSE	Y2A	2ND ROW LEFT SEAT CUSHION, 7-SEATER
J	IP	Y2B	2ND ROW RIGHT SEAT CUSHION, 7-SEATER
K	HEADLINER	Y2C	2ND ROW SEAT CENTER
L	FRONT END MODULE	Y2L	2ND ROW SEAT LEFT 60%
N	FRONT SUBFRAME	Y2N	2ND ROW SEAT CUSHION
P	RH FR DOOR	Y2R	2ND ROW SEAT RIGHT 40%
R	LH RR DOOR	Y3F	3RD ROW SEAT FRAME
S	RH RR DOOR	Y3N	3RD ROW SEAT CUSHION
T	LIFT GATE	Z	MISC. CABLES

Table 3: Wire Color Designators

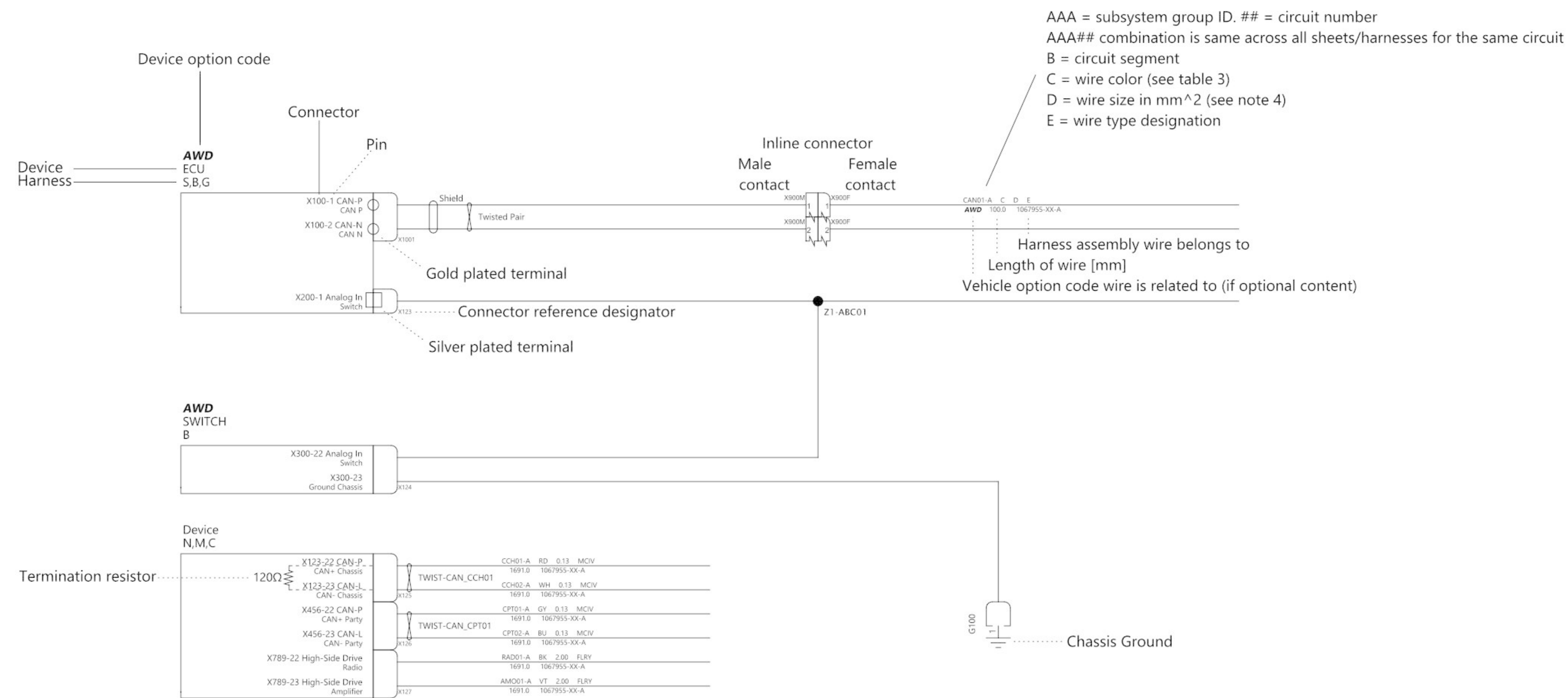
BK	Black	RD	Red
BN	Brown	VT	Violet (Purple)
BU	Blue	WH	White
GN	Green	YE	Yellow
GY	Gray		

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
F91X	Thin wall 150C rated, cross-linked polyethylene, high flexible

Table 5: Option Codes

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
RHD	Right 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



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

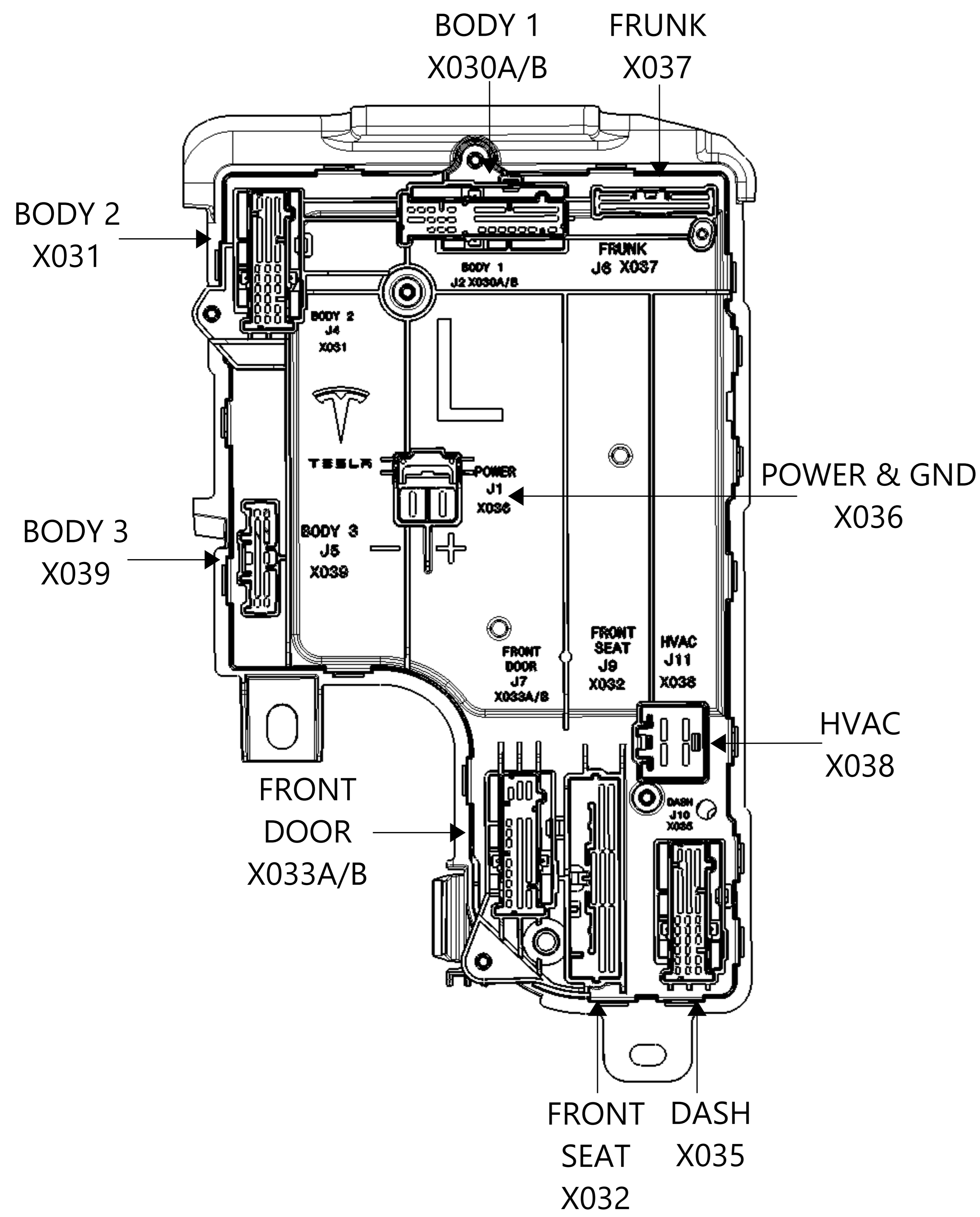
- GOLD TERMINAL NECESSARY
- SILVER PLATING NECESSARY

- 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
- Circuit prefixes indicate special conditions:
"++" No repinning, splicing, reworks, deviations, or manual continuity check
"+" Repairs may only be performed by Tesla certified technicians
"HV_" High Voltage Circuits

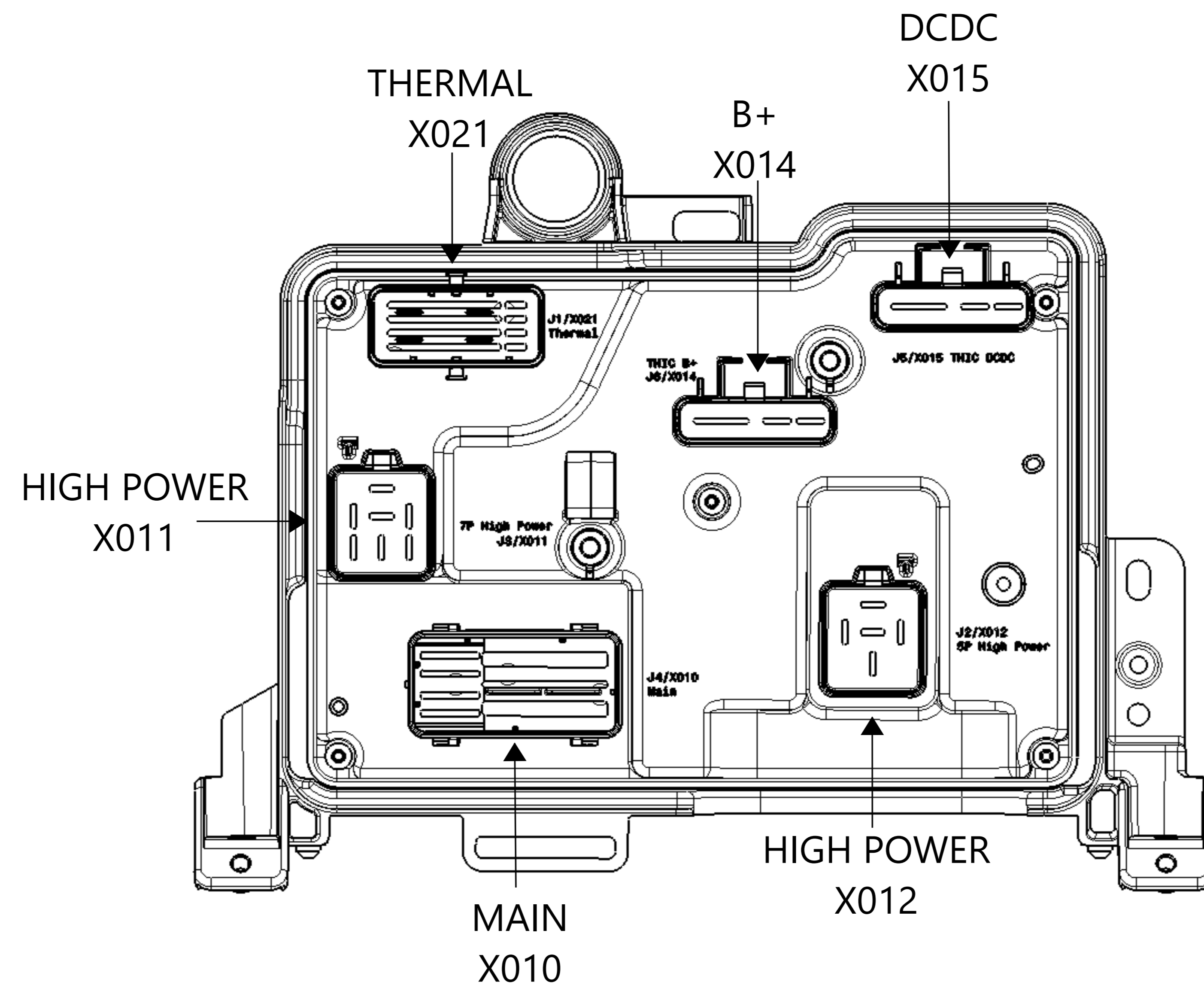
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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE	
PART NAME - Table of Contents -			
PART NUMBER	REV	SHEET	SIZE
	1	1 OF 50	A0

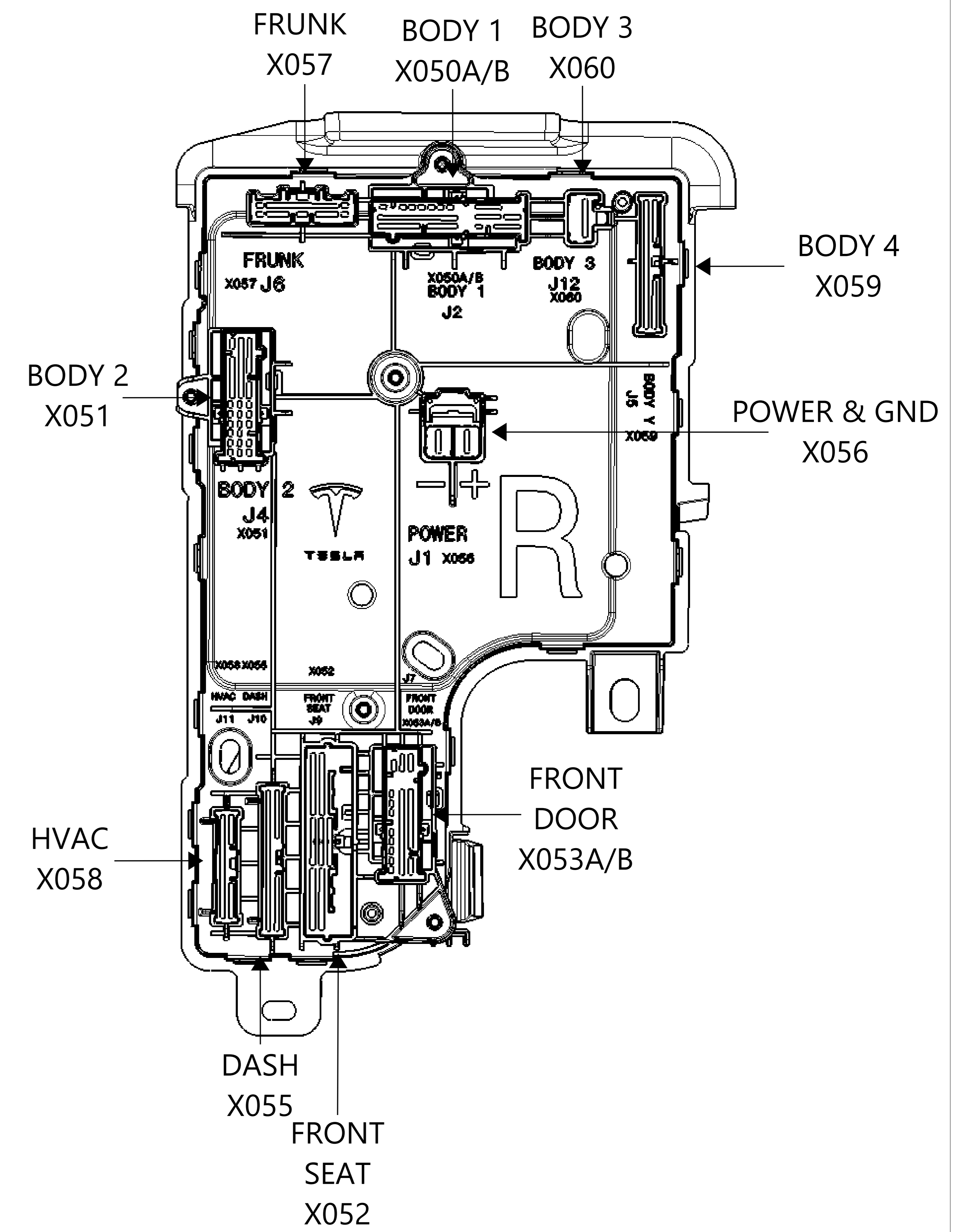
Left Controller



Front Controller



Right Controller



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DRAWN	CHECKED	APPROVED
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		SIZE A0

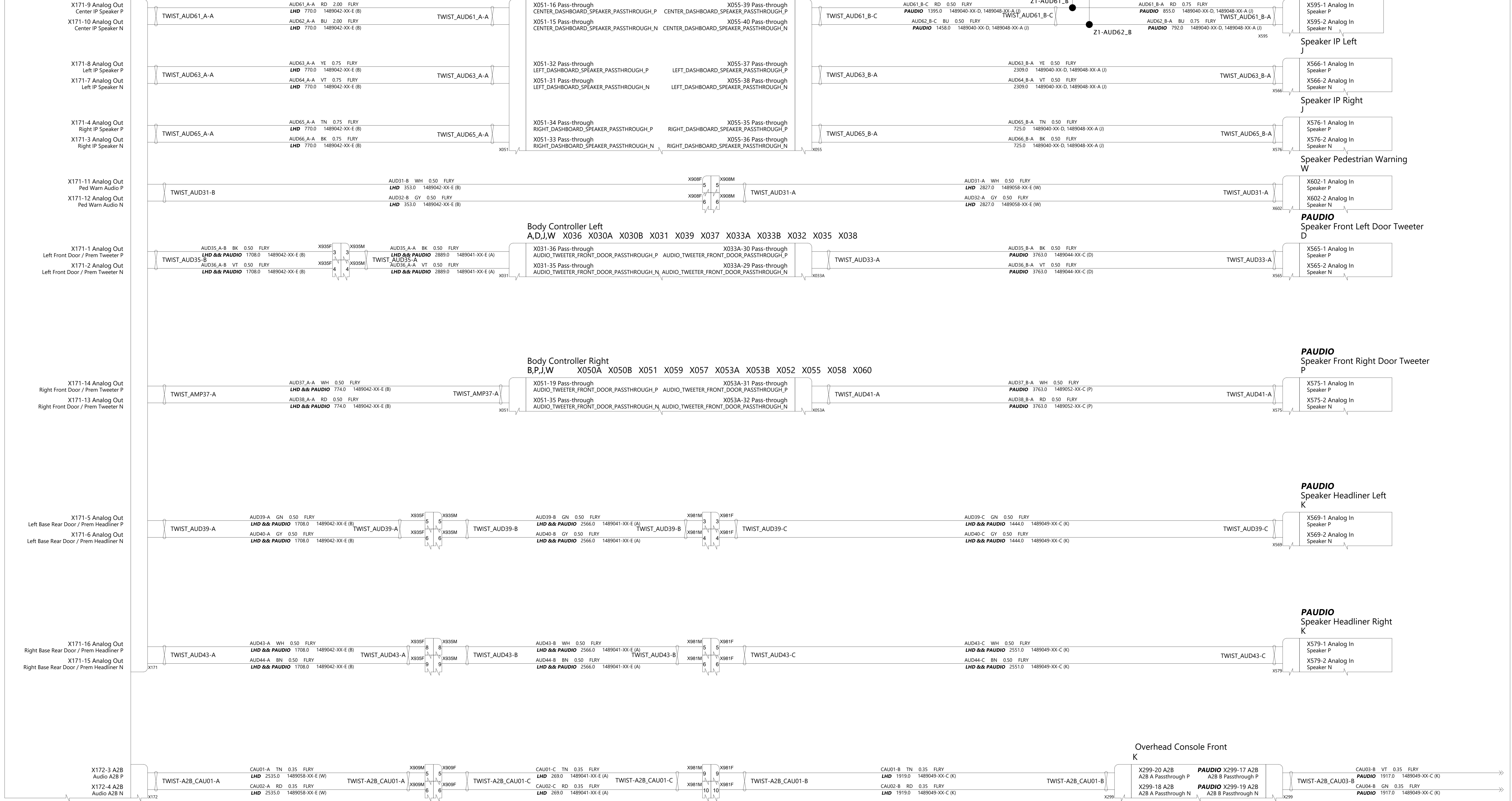
LHD
 MCU (LHD)
 W,B X171 X172 X860 X802 X803 X804 X831 X173 X863 X850

Body Controller Right
 B,P,J,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

Body Controller Left
 A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038

Body Controller Right
 B,P,J,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

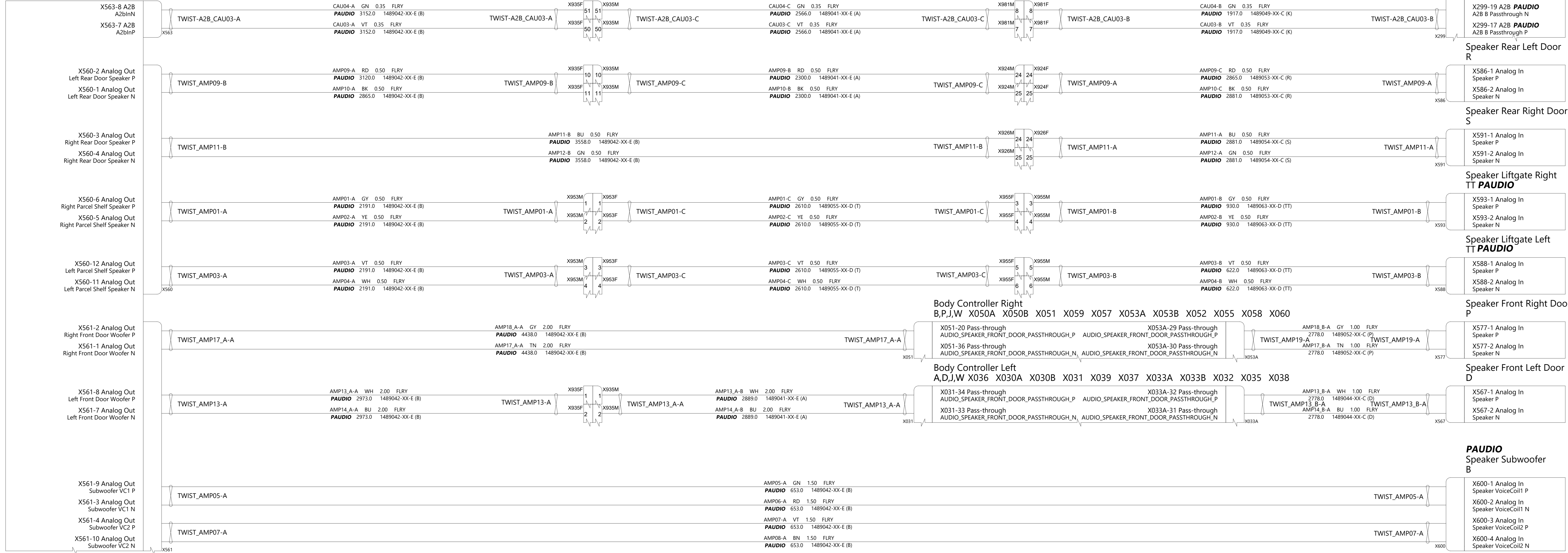
Overhead Console Front
 K



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Audio		
PART NUMBER	REV	SHEET
	3	2 of 50
		SIZE A0

PAUDIO
Premium Amp Audio
B X560 X561 X563



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PART NUMBER	REV	SHEET
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		SCALE A0

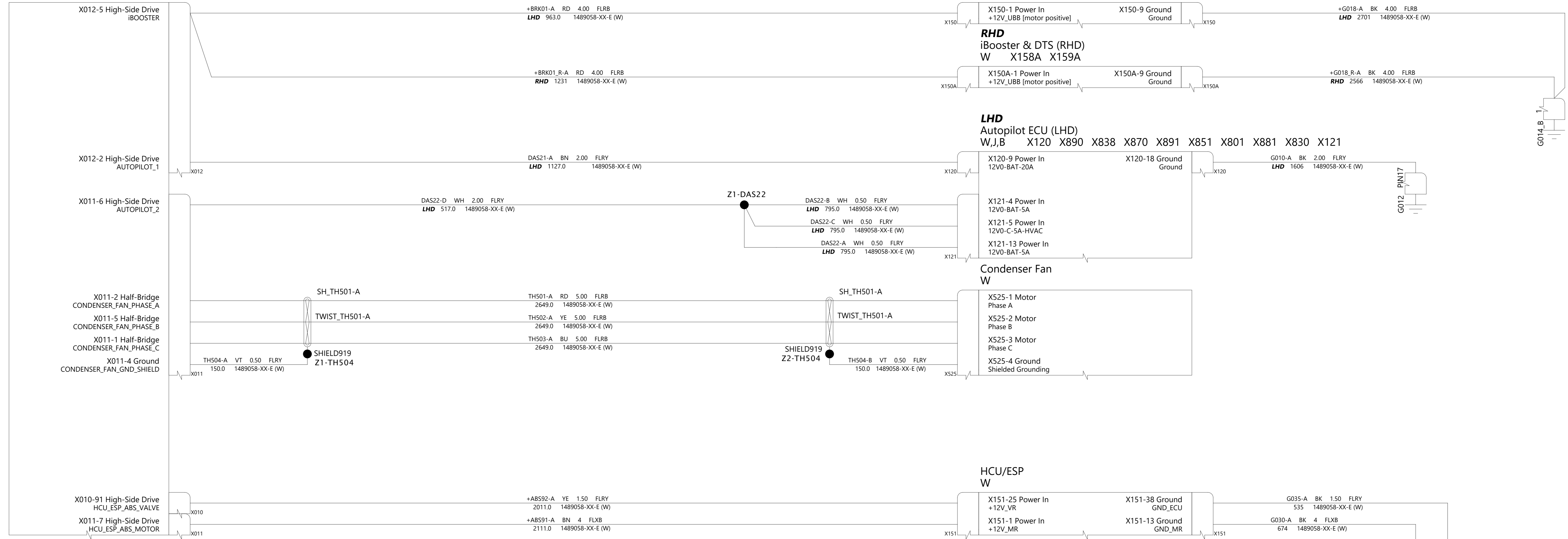
RHD
MCU (RHD)
W,B,A



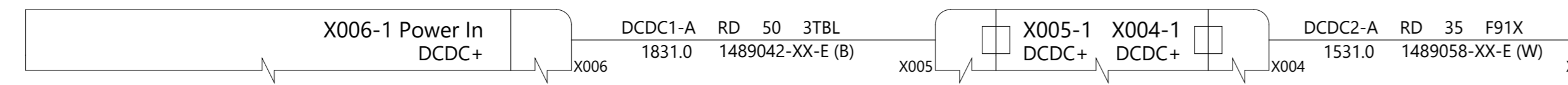
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DRAWN	CHECKED	APPROVED
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PART NUMBER	REV	SHEET
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		SIZE A0

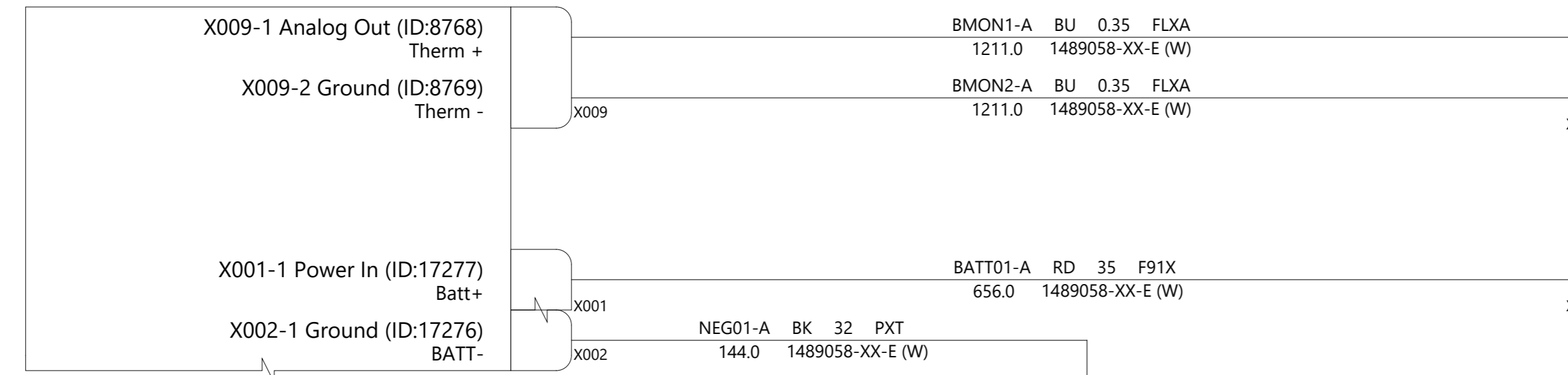
Body Controller Front
W,U X021 X012 X011 X010 X015 X014



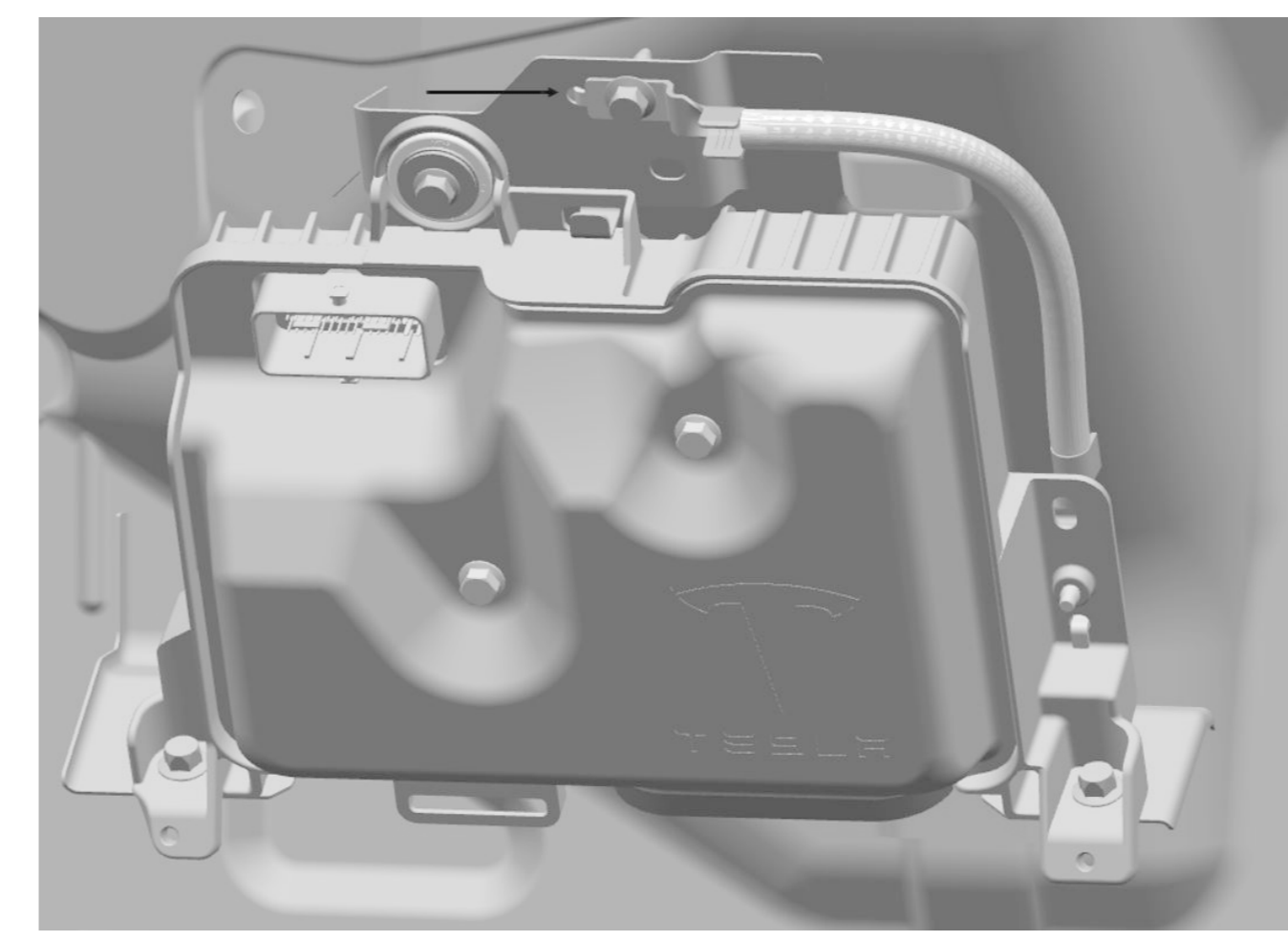
HV Battery
B X098 X006 X007



12V Battery
W



VCFront heatsink grounded through braided strap

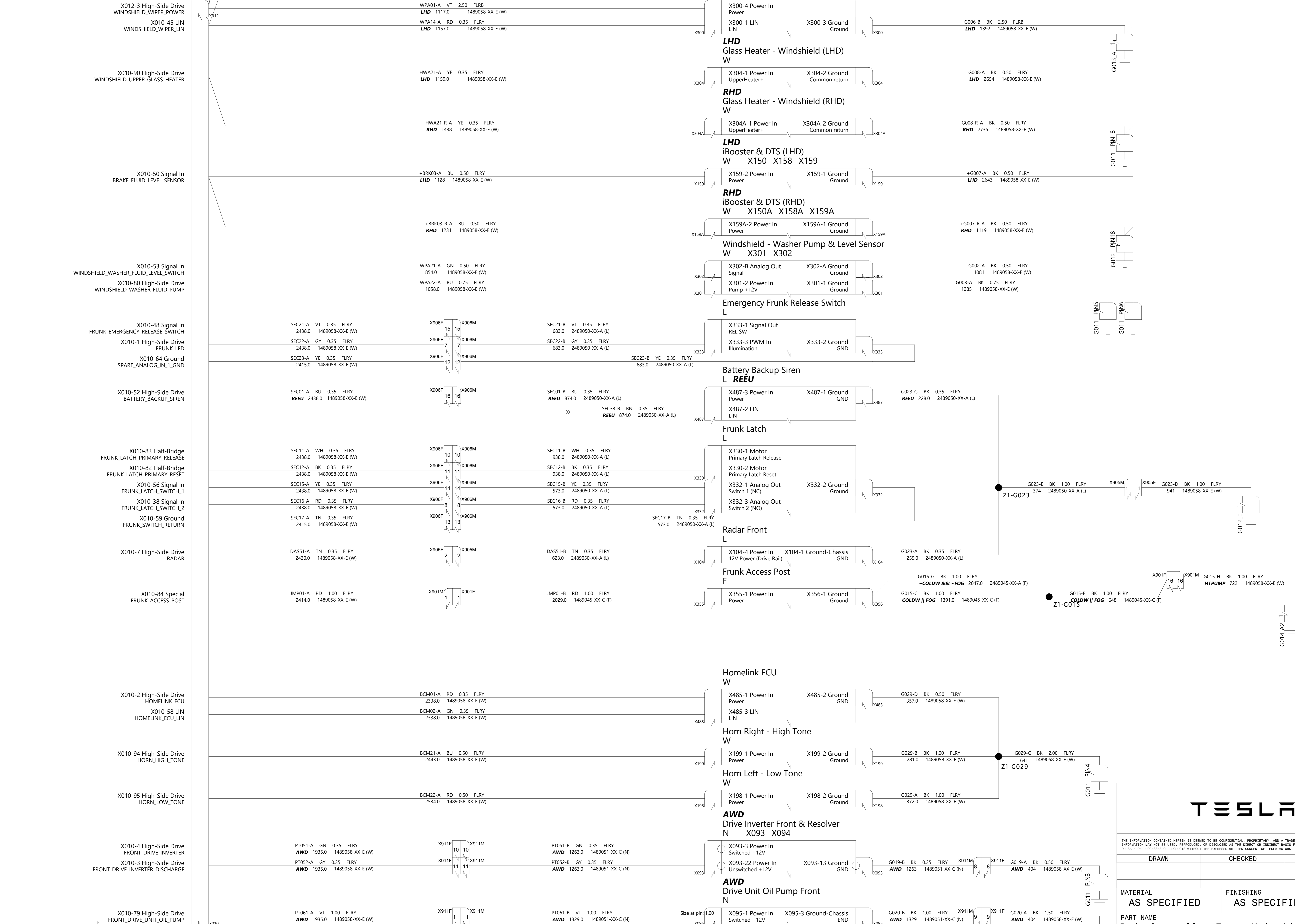


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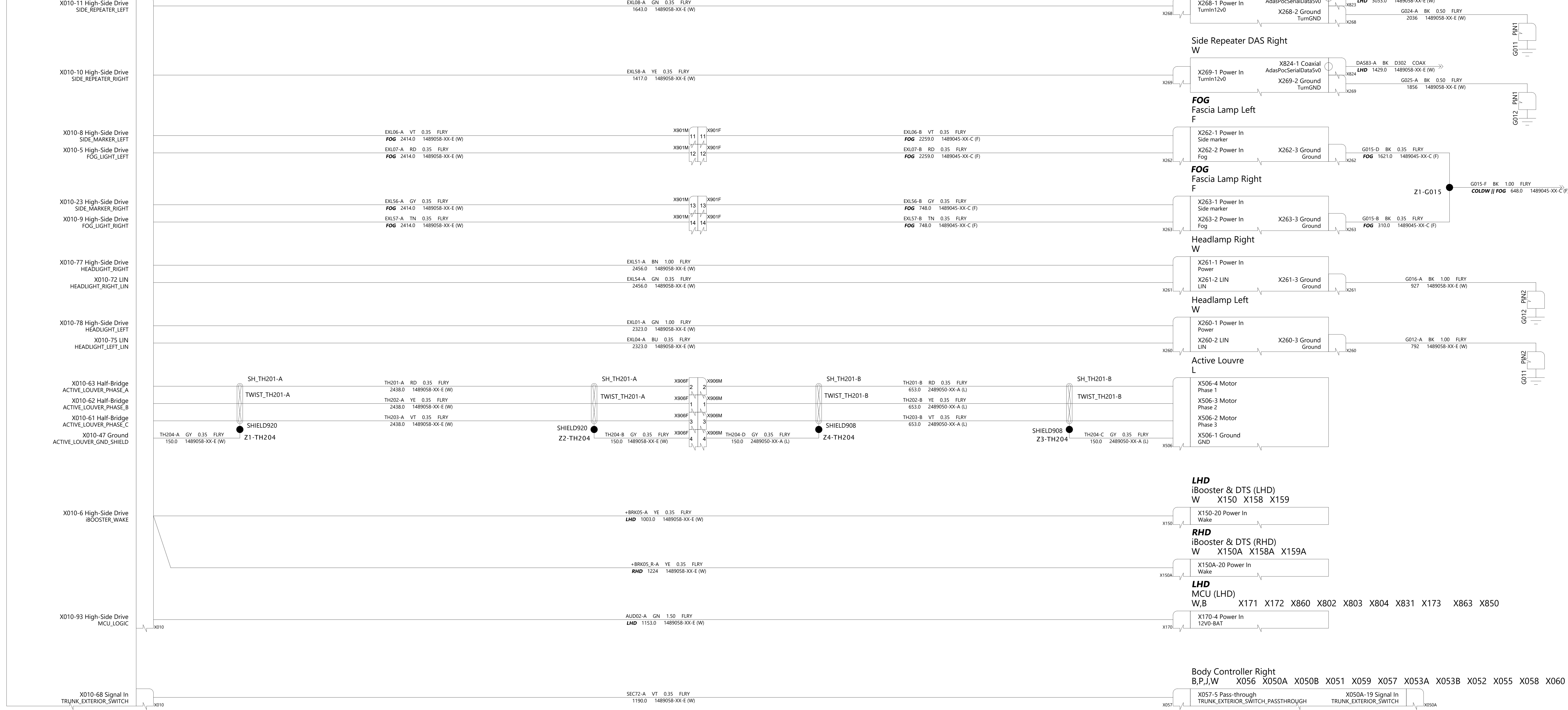
Body Controller Front
W,U X021 X012 X011 X010 X015 X014



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PART NAME Body Controller Front Main 1/2		
PART NUMBER	REV	SHEET
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		SIZE A0

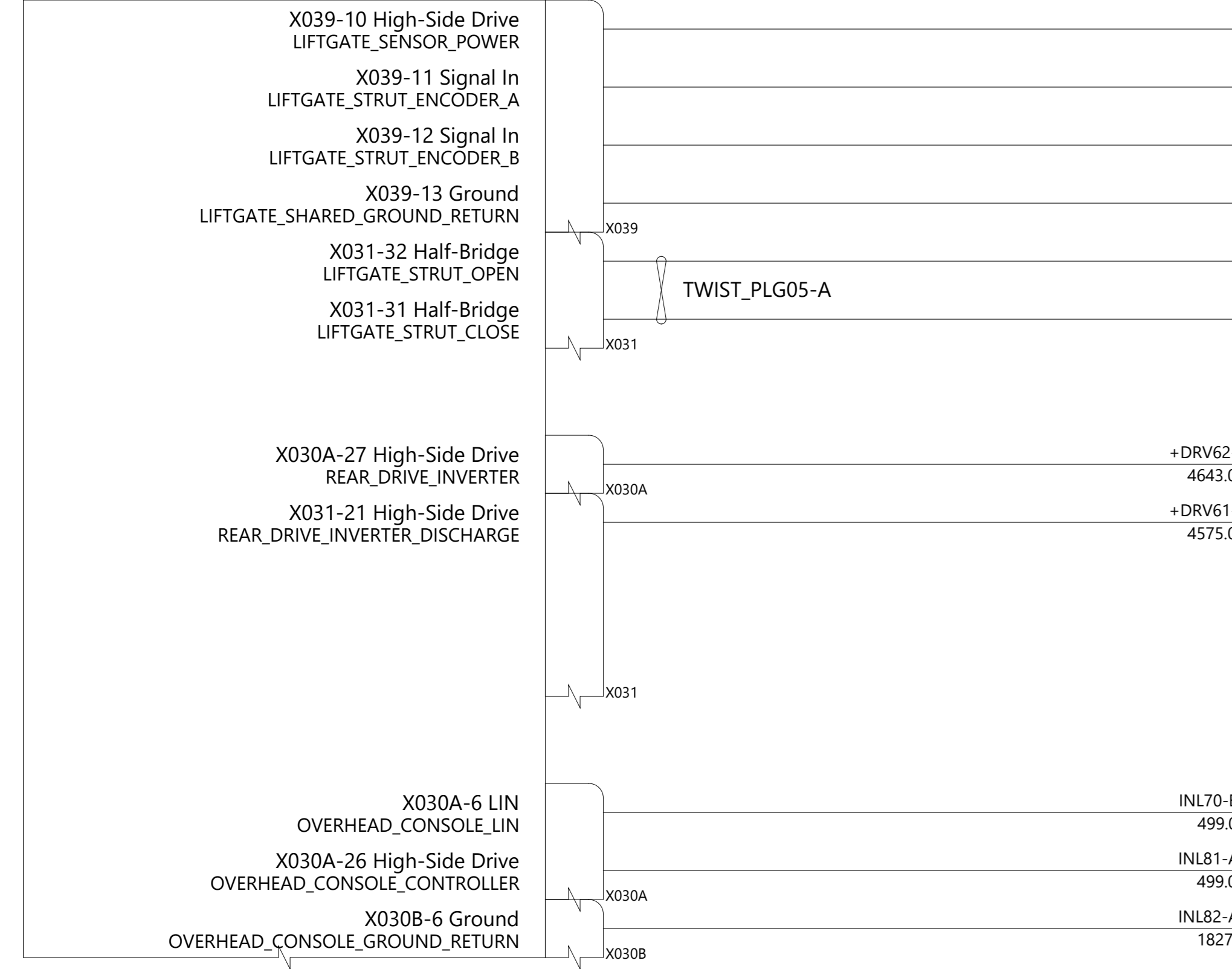
Body Controller Front
W,U X021 X012 X011 X010 X015 X014



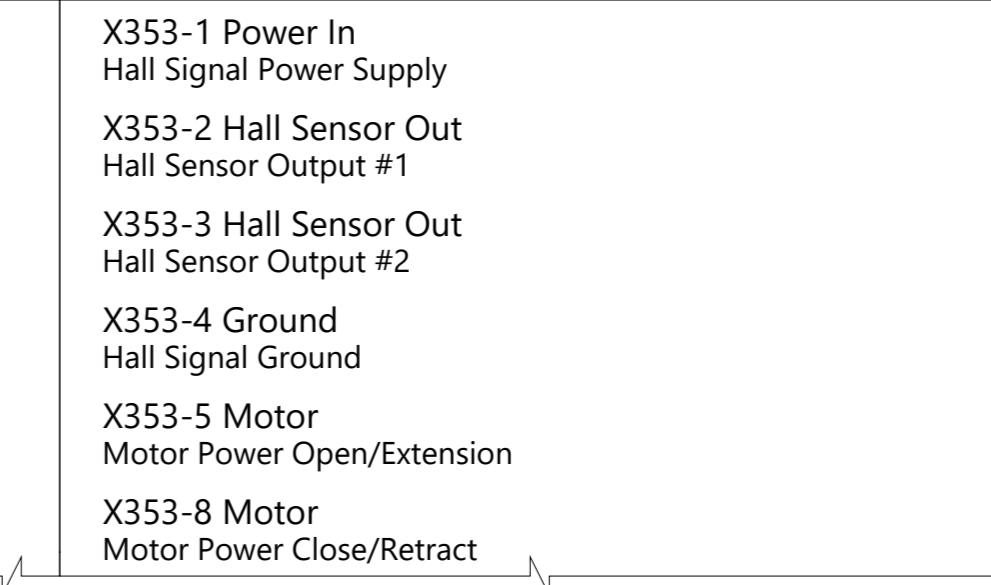
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PART NUMBER	REV	SHEET
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		SIZE A0

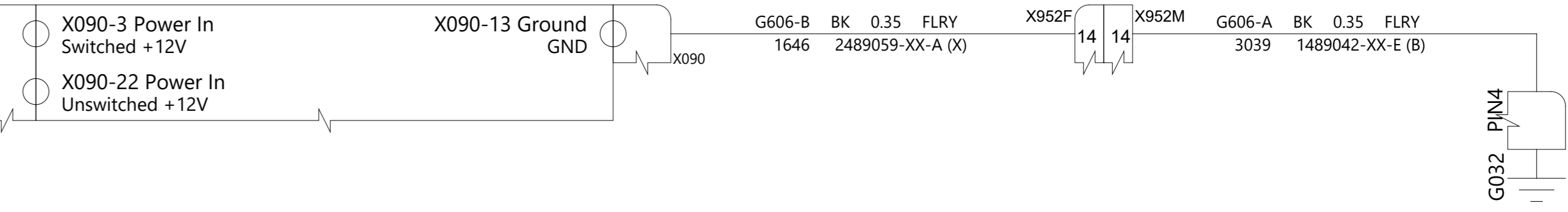
Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



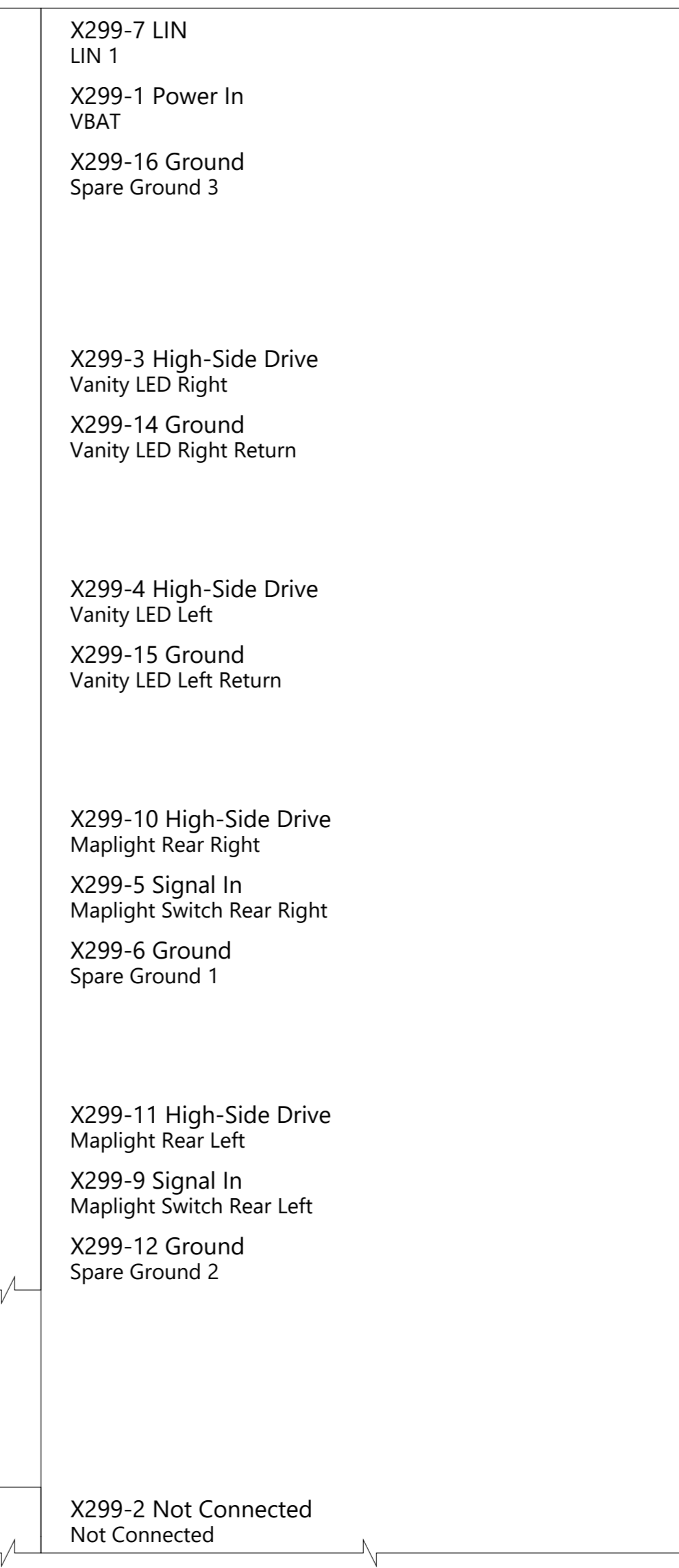
Liftgate Power Strut
A



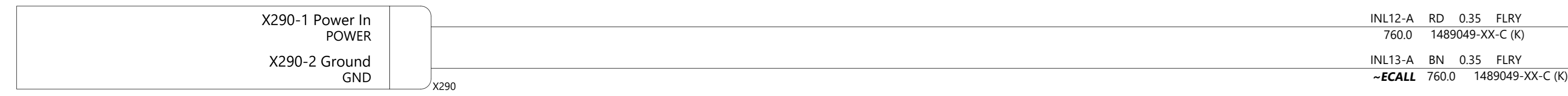
Drive Inverter Rear & Resolver
X X090 X091



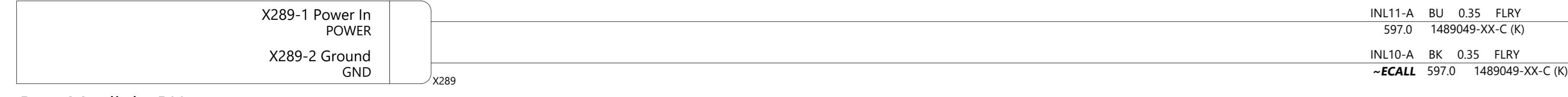
Overhead Console Front
K



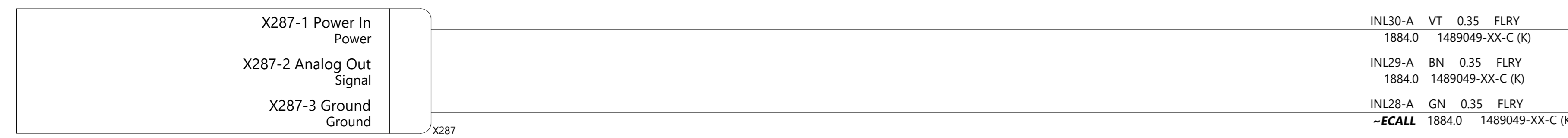
Vanity LED Right
K



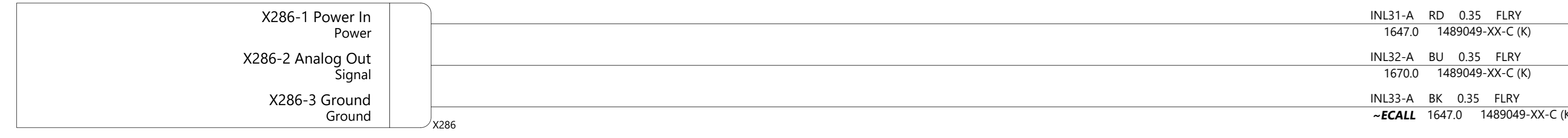
Vanity LED Left
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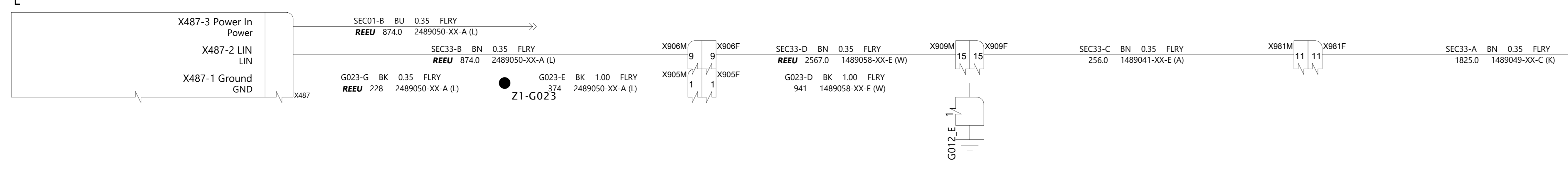
Rear Maplight RH
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Rear Maplight LH
K



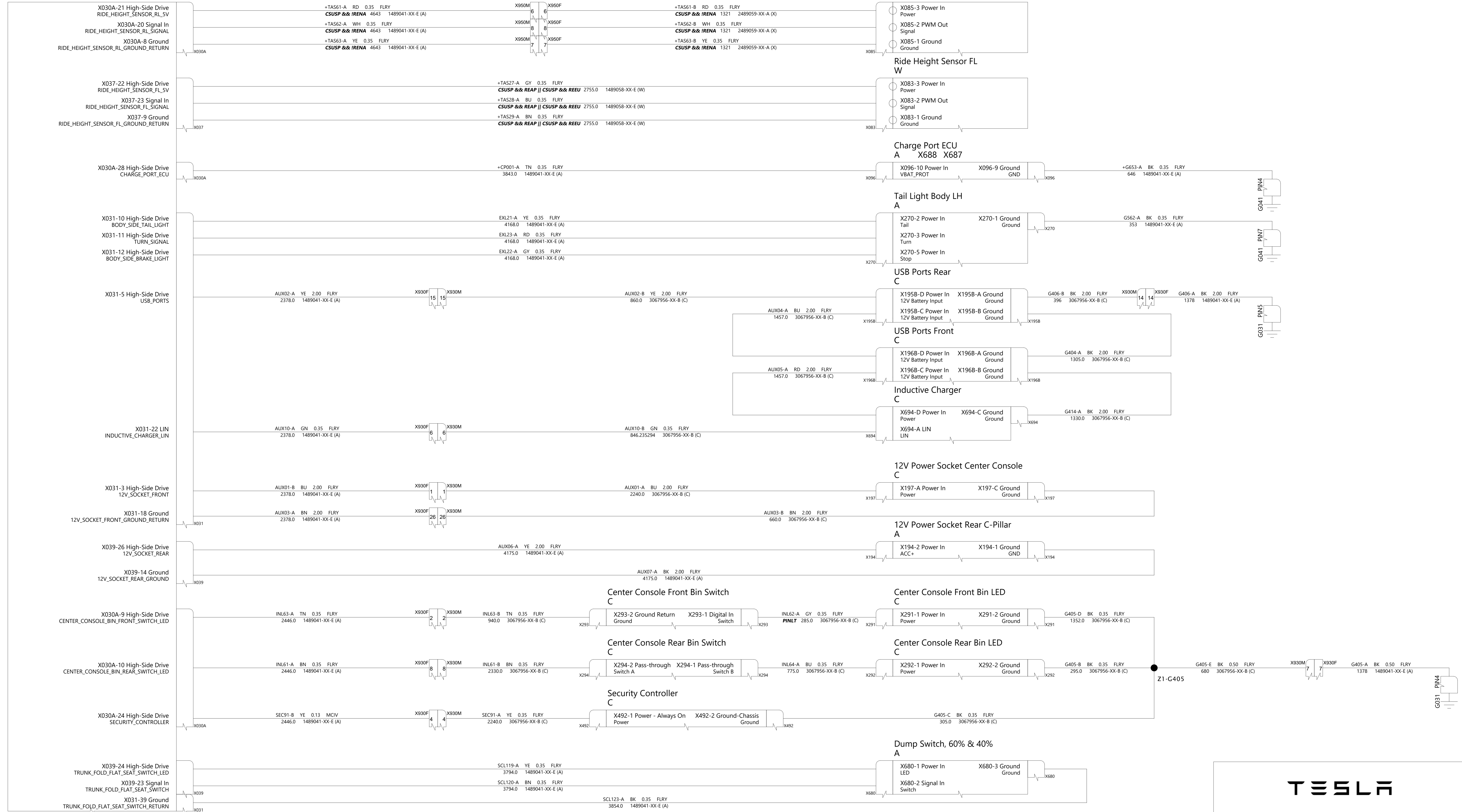
REEU
Battery Backup Siren
L



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Body Controller Left Body 1/2		
PART NUMBER	REV 3	SHEET 8 OF 50
		SIZE A0

Body Controller Left
A,D,J,W,X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Body Controller Left Body 2/2		
PART NUMBER	REV 3	SHEET 9 OF 50
		SIZE A0

Body Controller Right
B,P,I,W X056 X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



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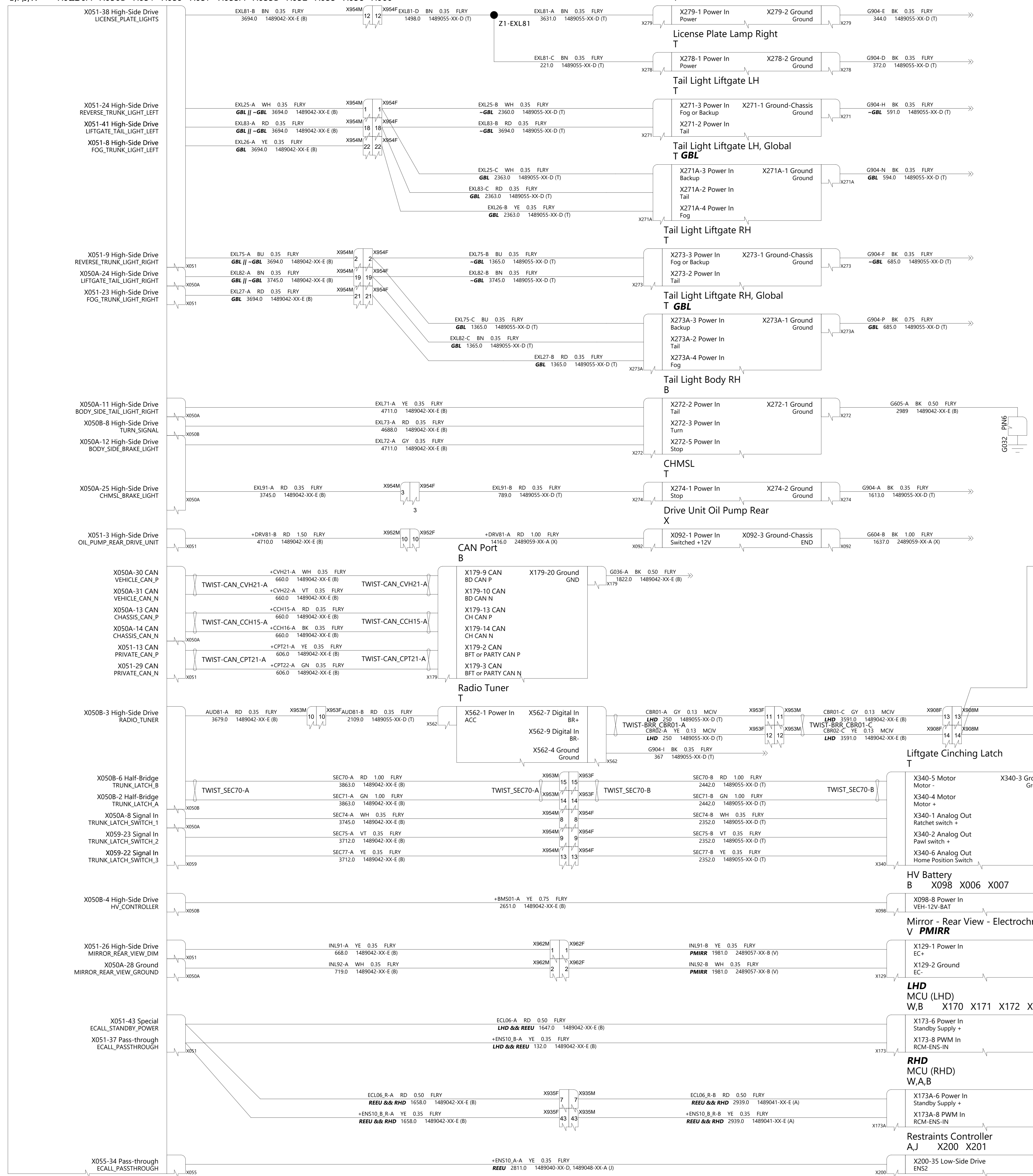
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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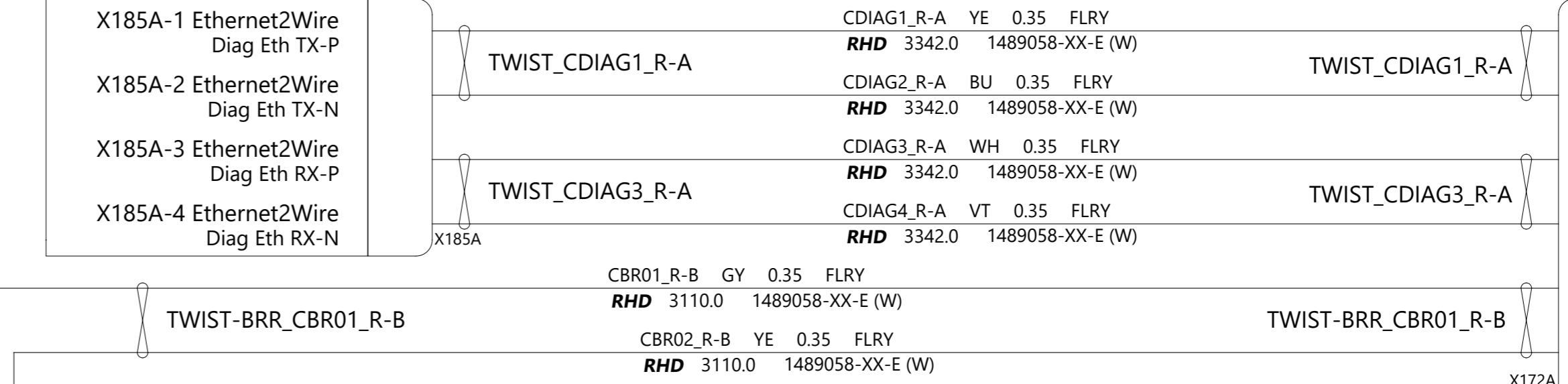
PART NAME
Body Controller Right Body 1/2

PART NUMBER	REV	SHEET	SIZE
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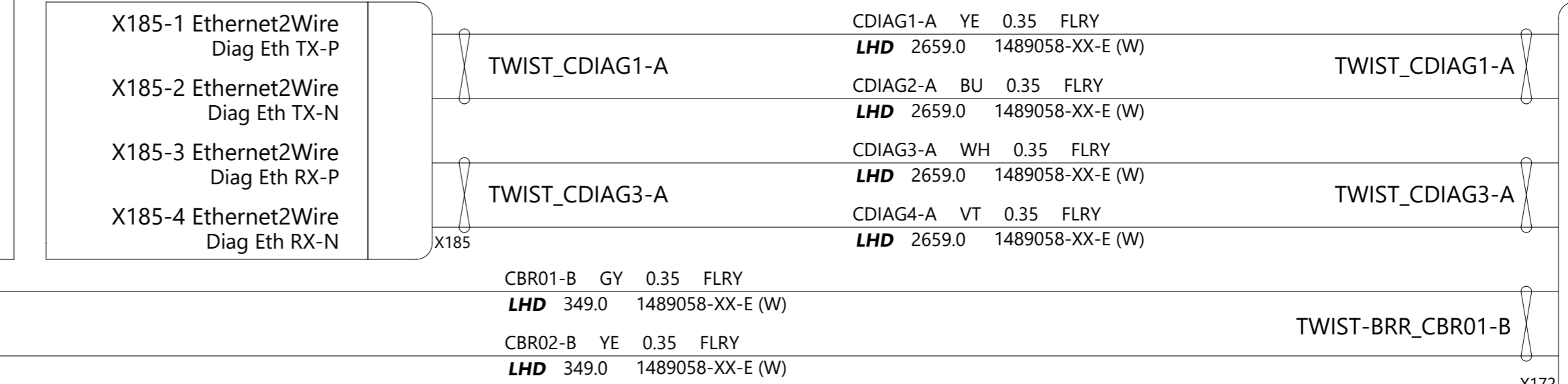
Body Controller Right
B,P,J,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



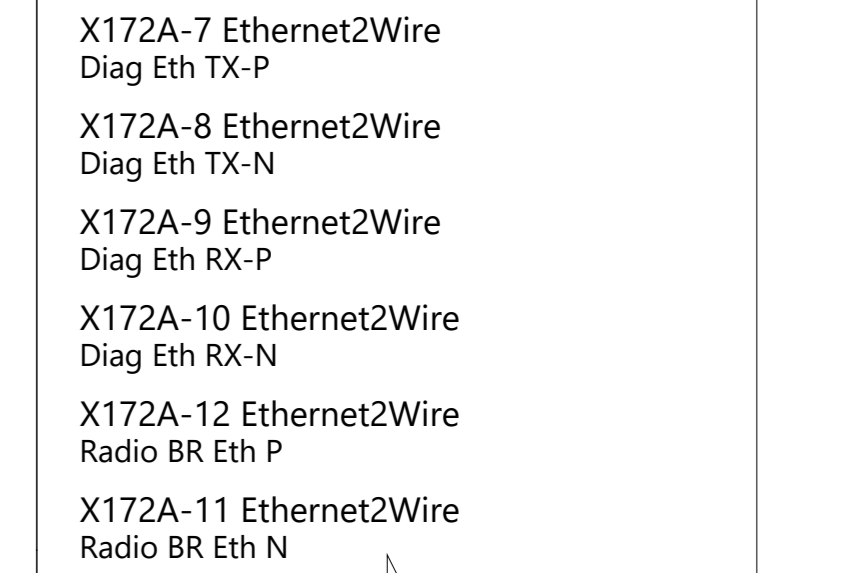
RHD
Diag Connector Cabin (RHD)
W



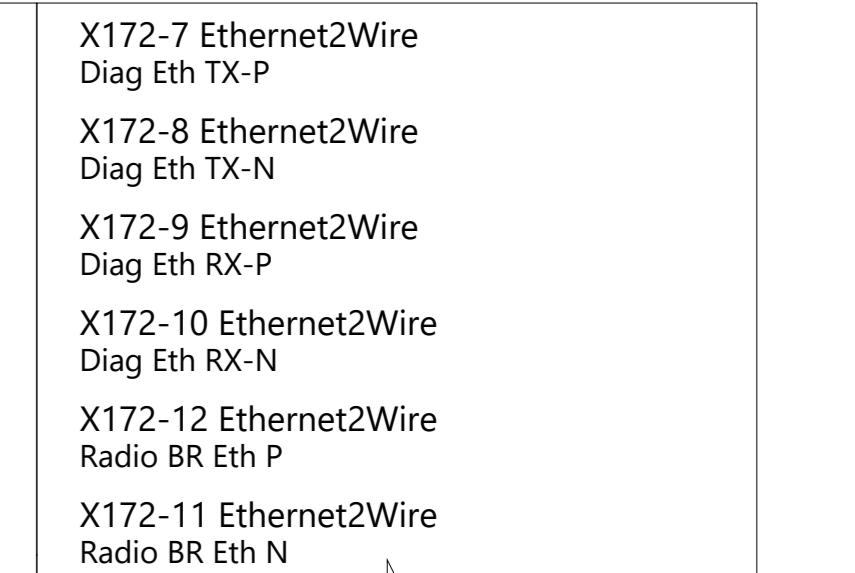
LHD
Diag Connector Cabin (LHD)
W



RHD
MCU (RHD)
W,A,B



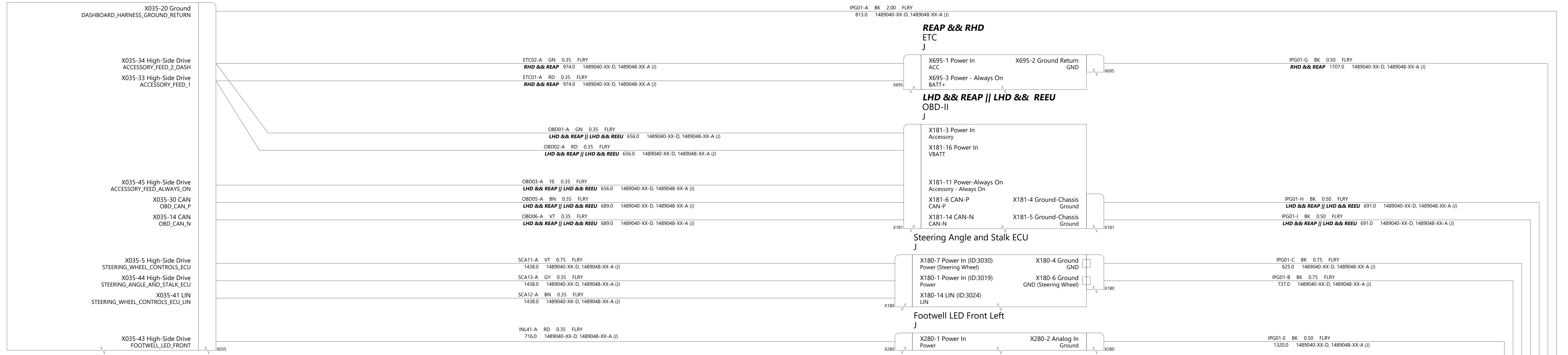
LHD
MCU (LHD)
W,B



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Body Controller Right Body 2/2		
PART NUMBER	REV	SHEET
	3	11 of 50
		SIZE A0

Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



Body Controller Right
B,P,J,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

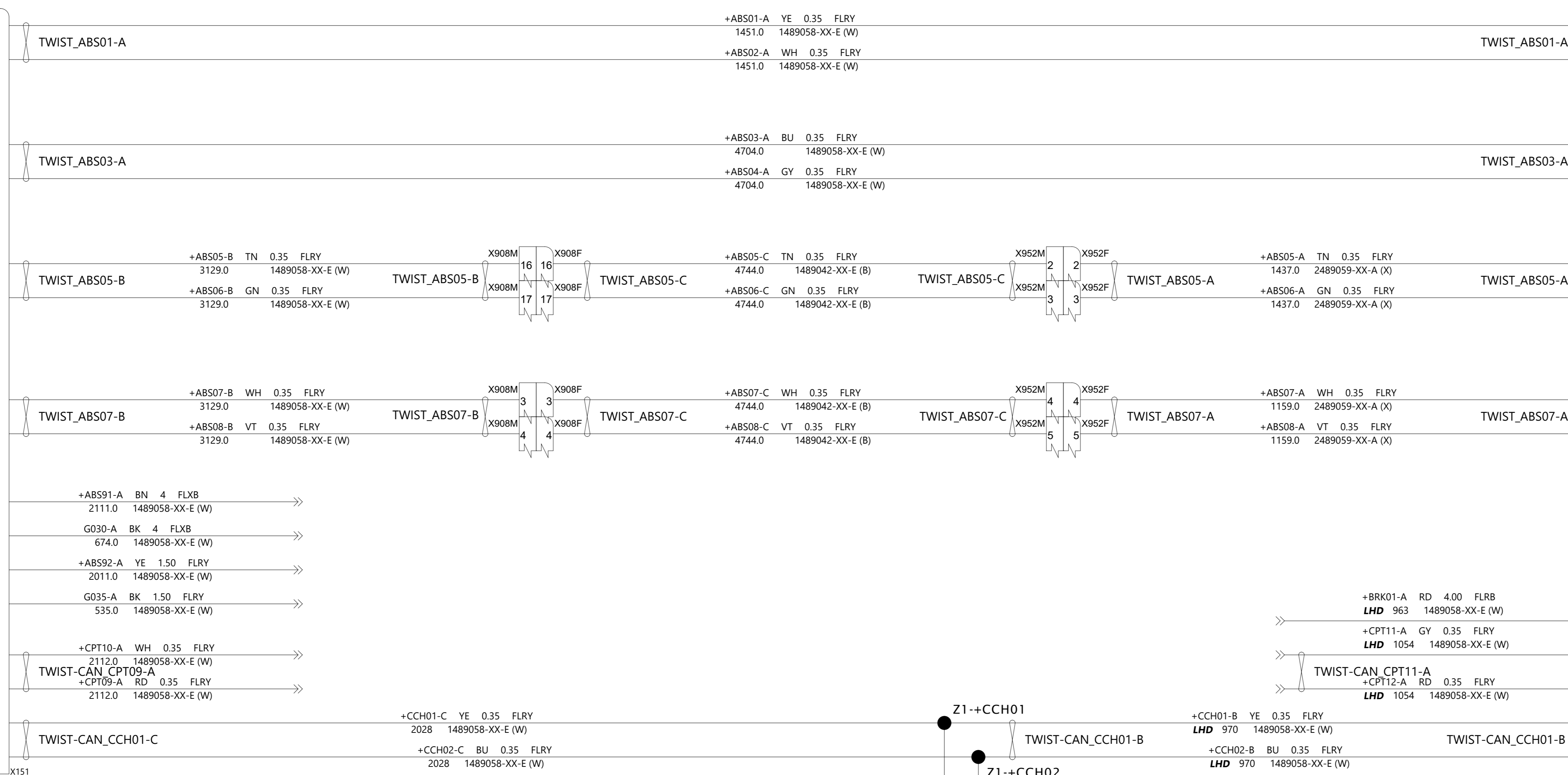
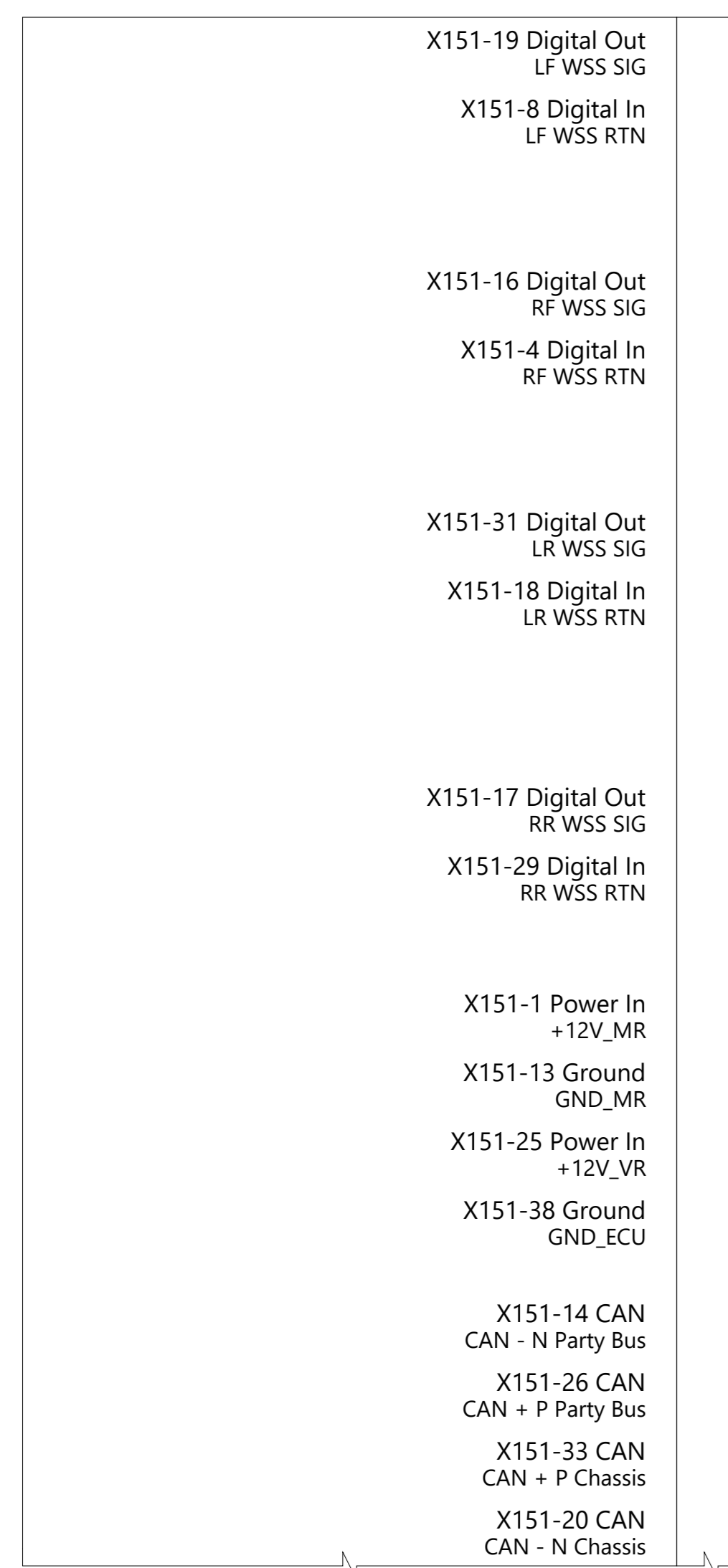


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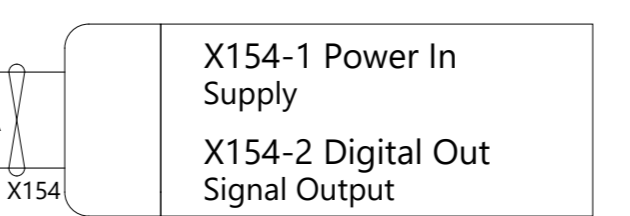
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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		SIZE
		A0

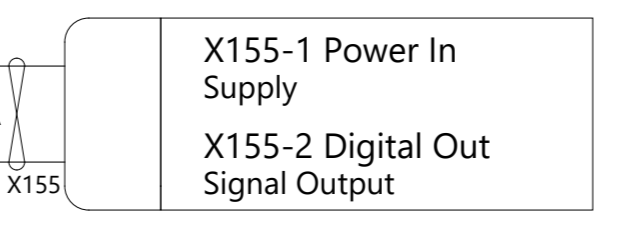
HCU/ESP
W



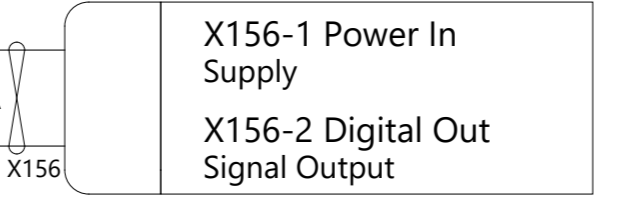
Wheel Speed Sensor LF
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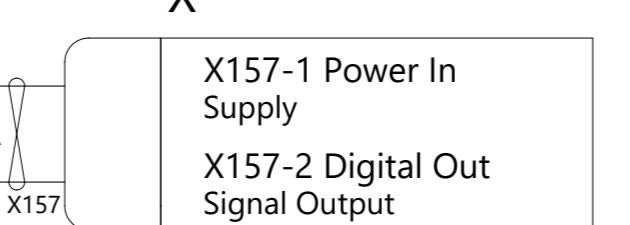
Wheel Speed Sensor RF
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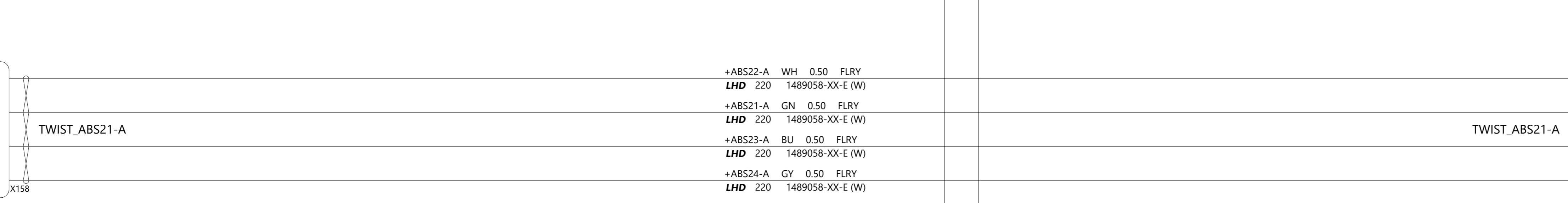
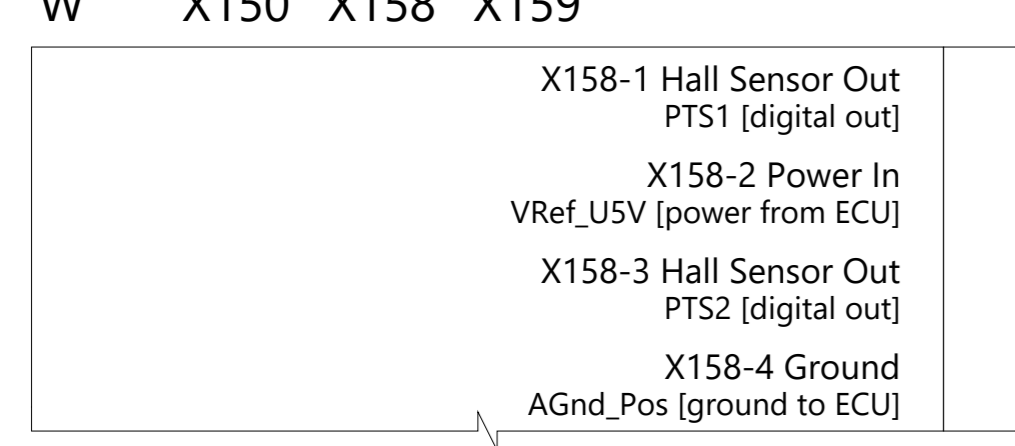
Wheel Speed Sensor LR
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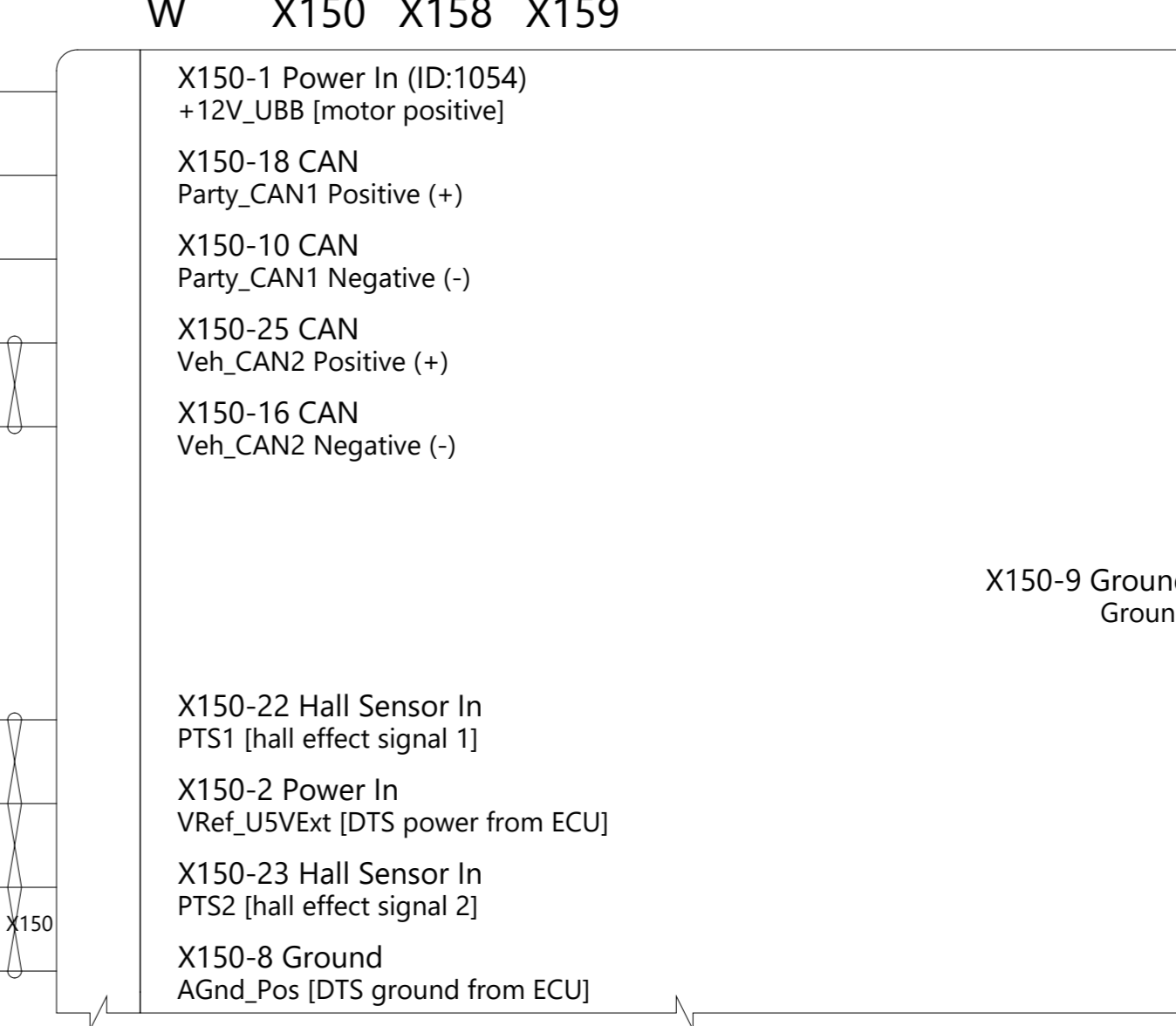
Wheel Speed Sensor RR
X



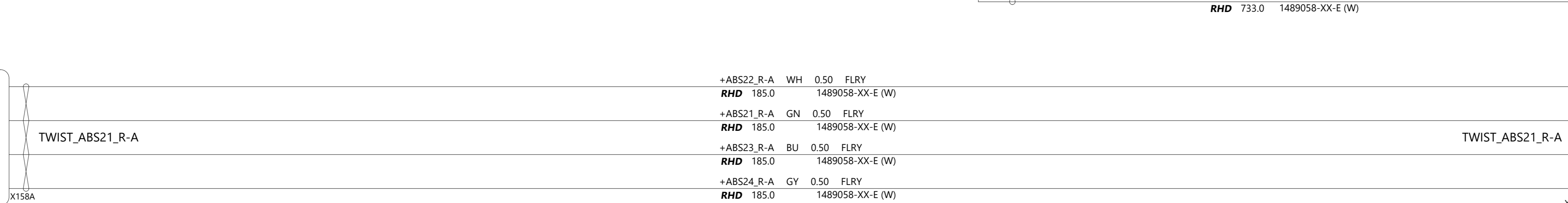
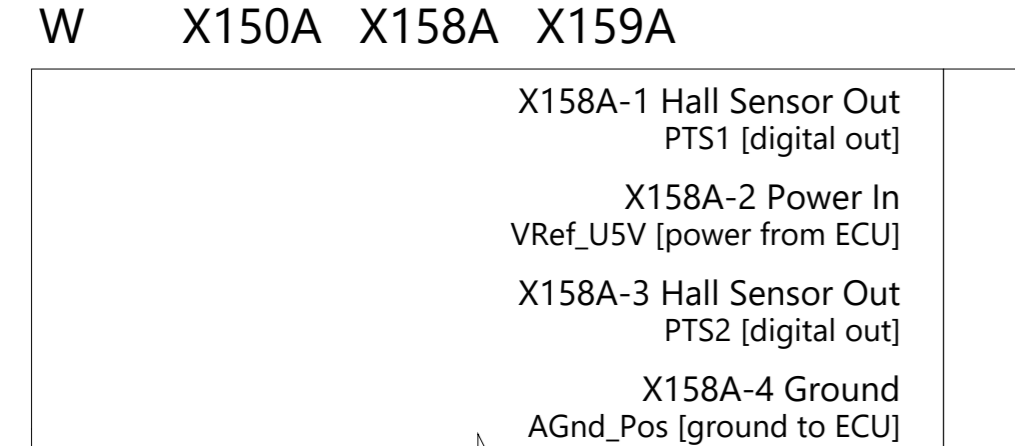
LHD iBooster & DTS (LHD)
W X150 X158 X159



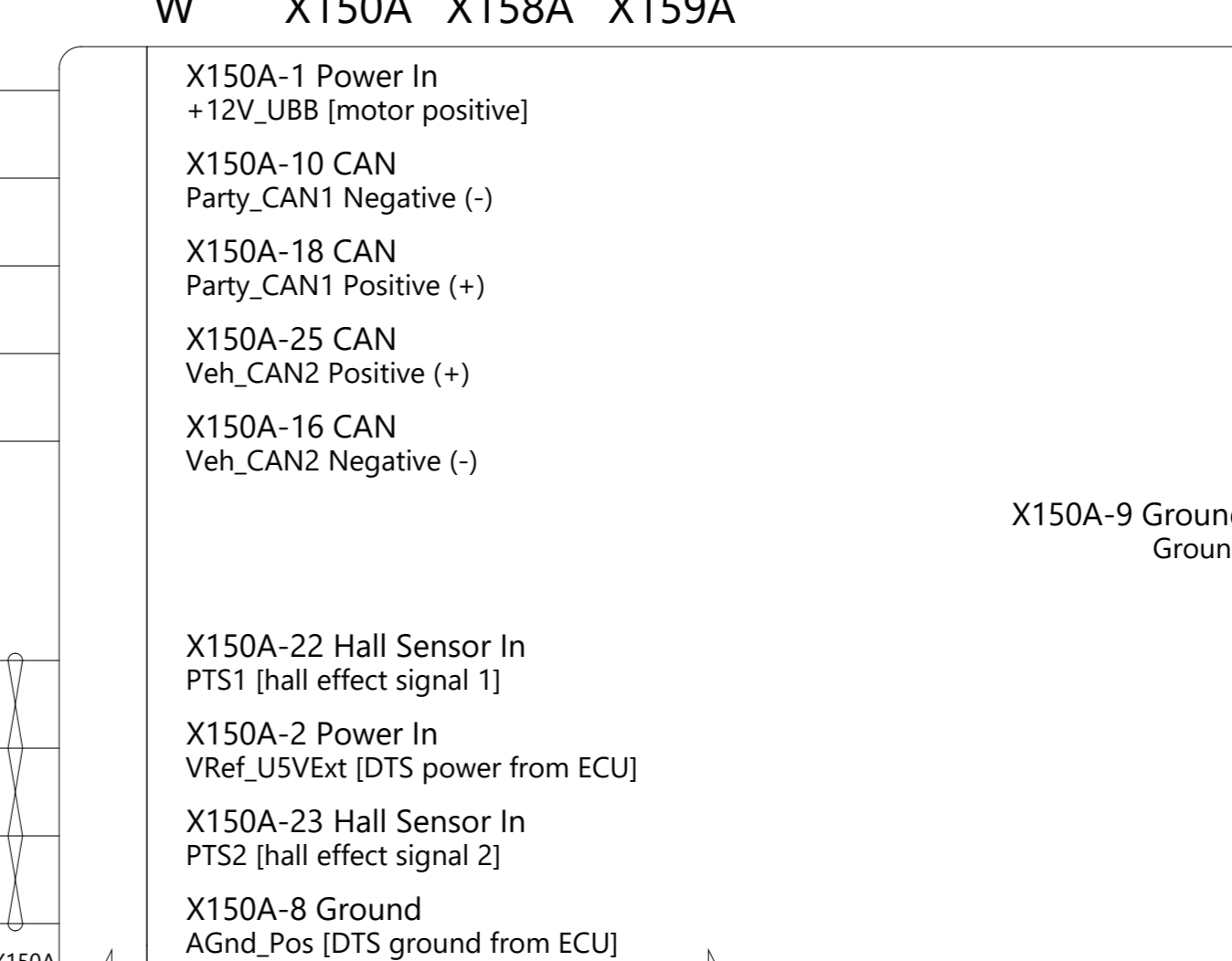
LHD iBooster & DTS (LHD)
W X150 X158 X159



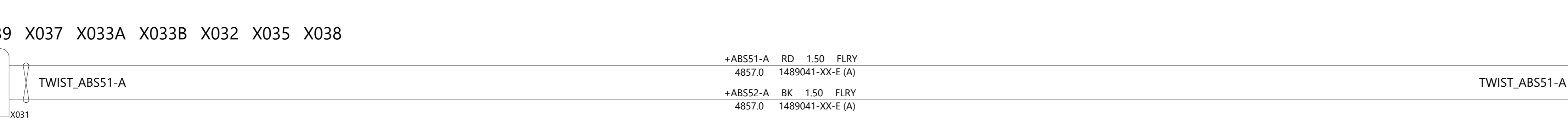
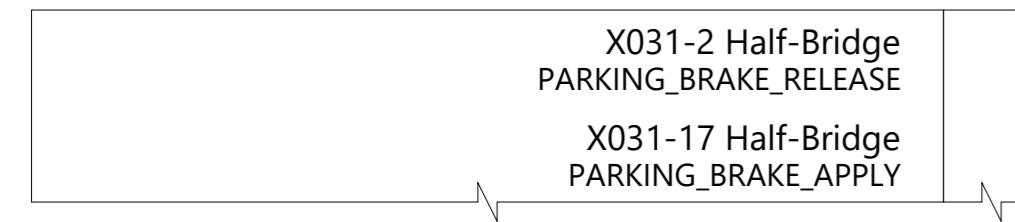
RHD iBooster & DTS (RHD)
W X150A X158A X159A



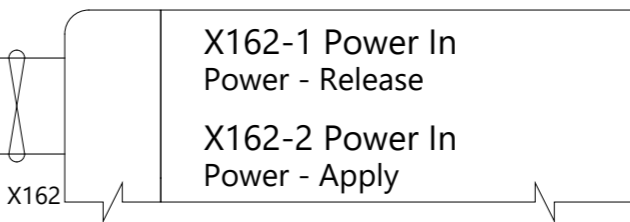
RHD iBooster & DTS (RHD)
W X150A X158A X159A



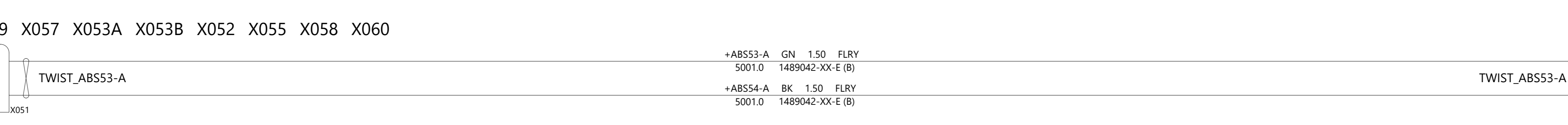
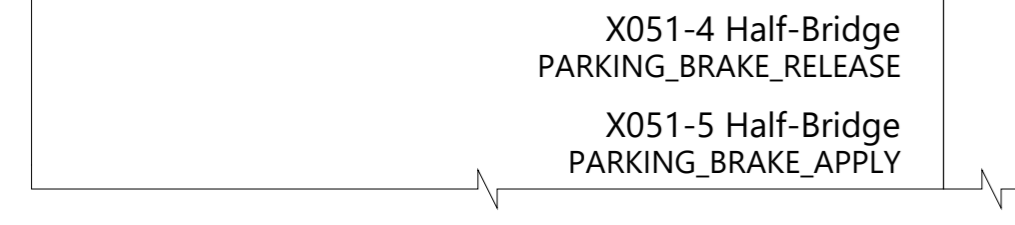
Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



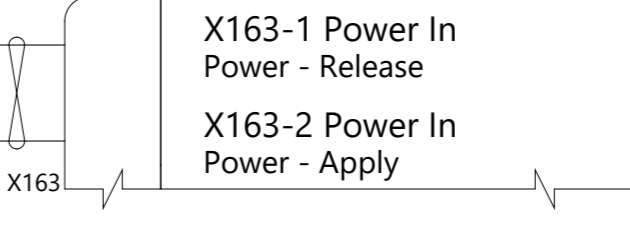
EPB Left
A



Body Controller Right
B,P,J,W X056 X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

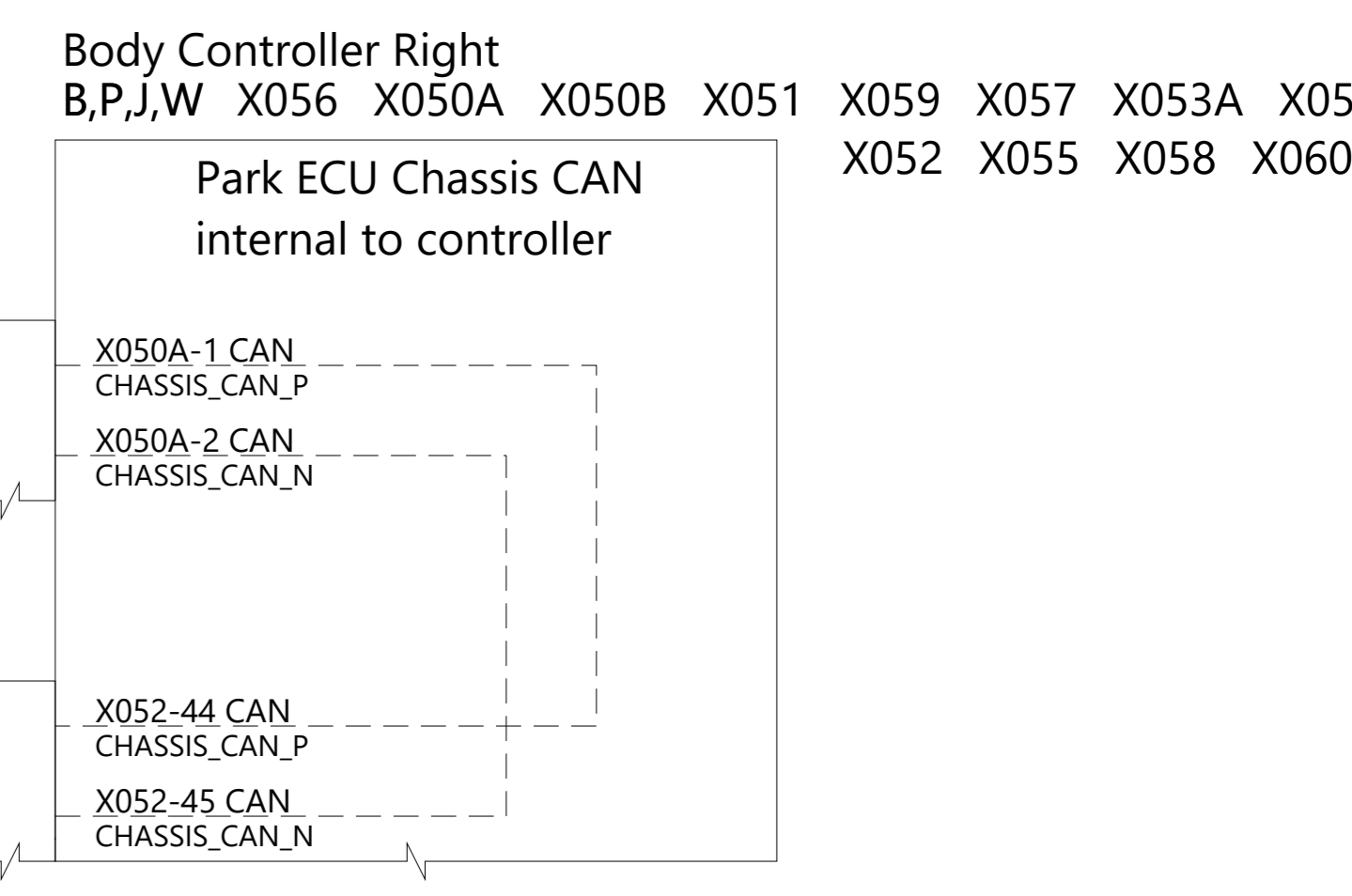
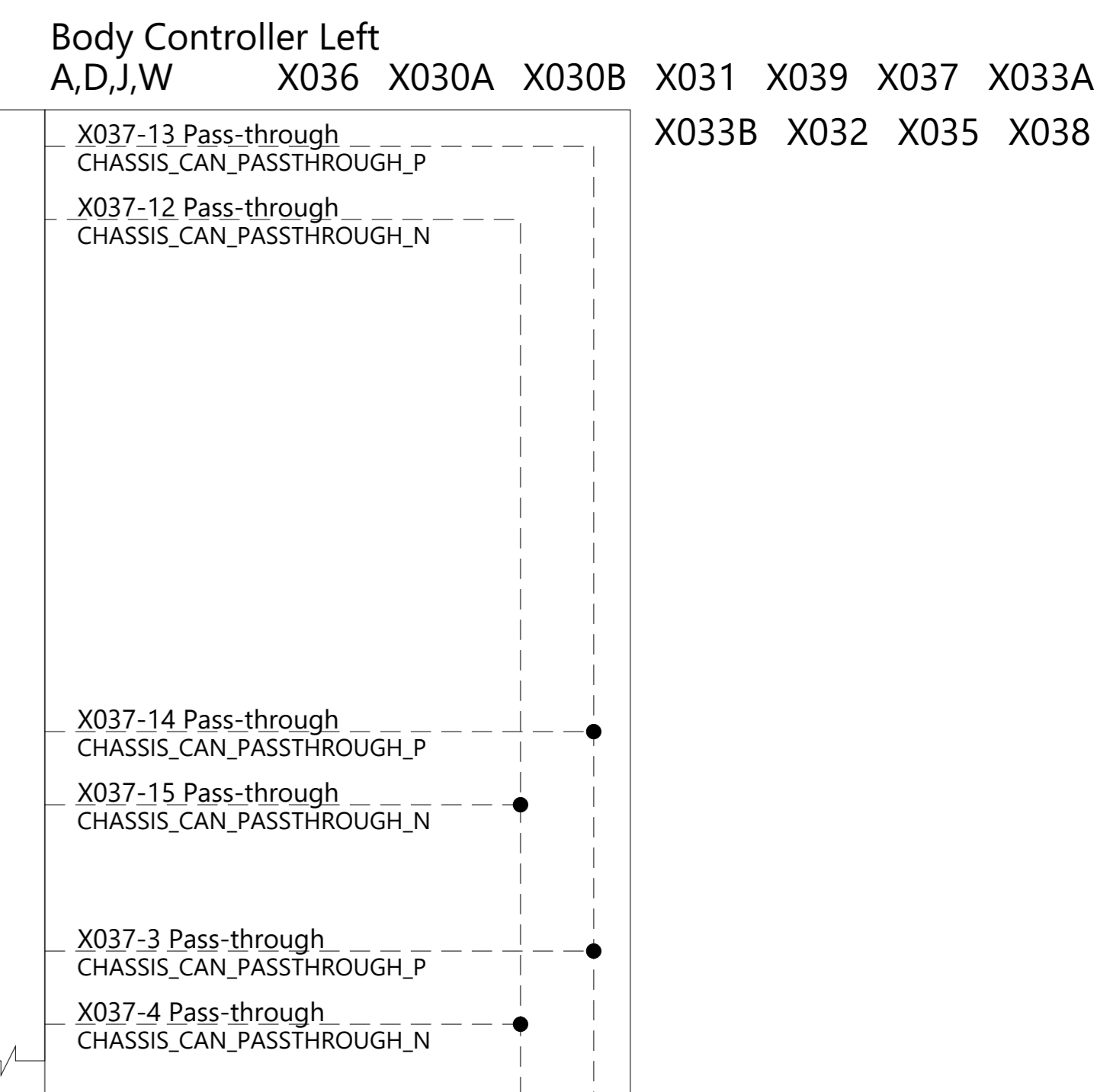
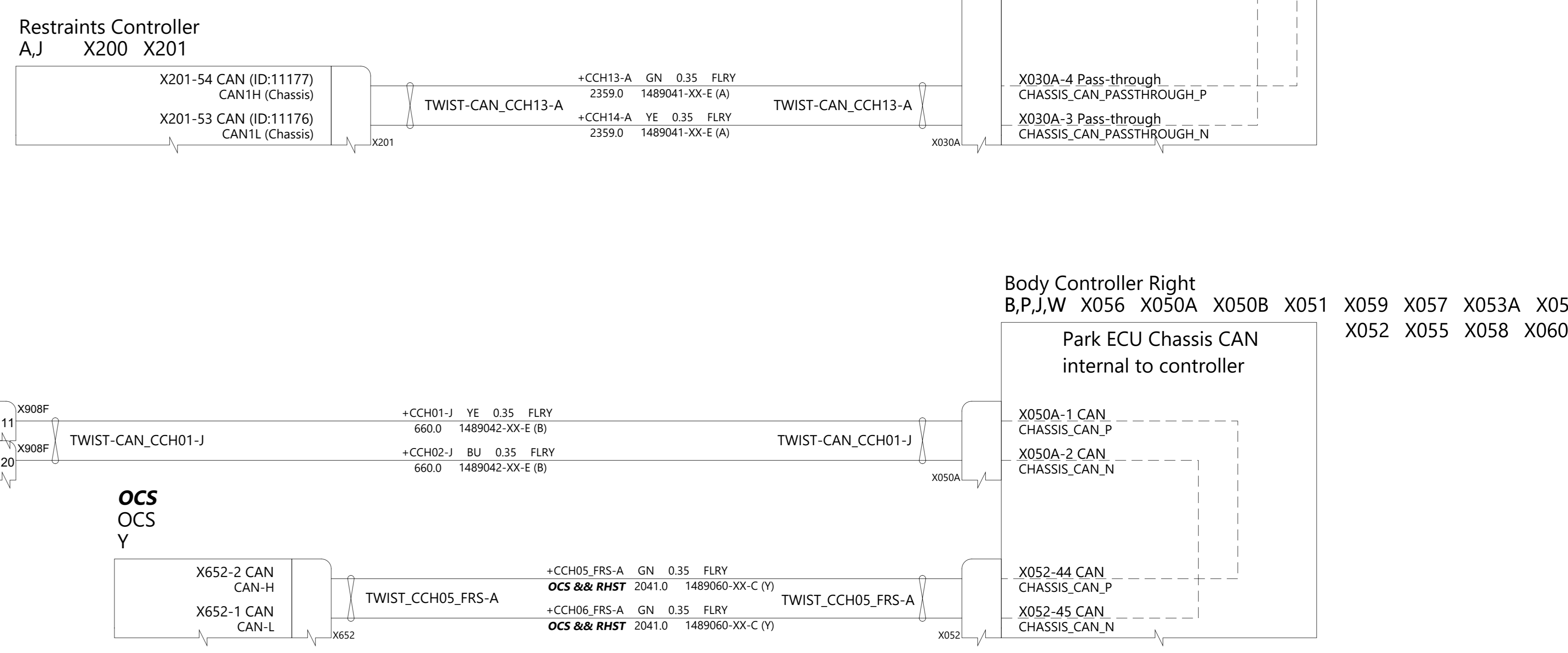
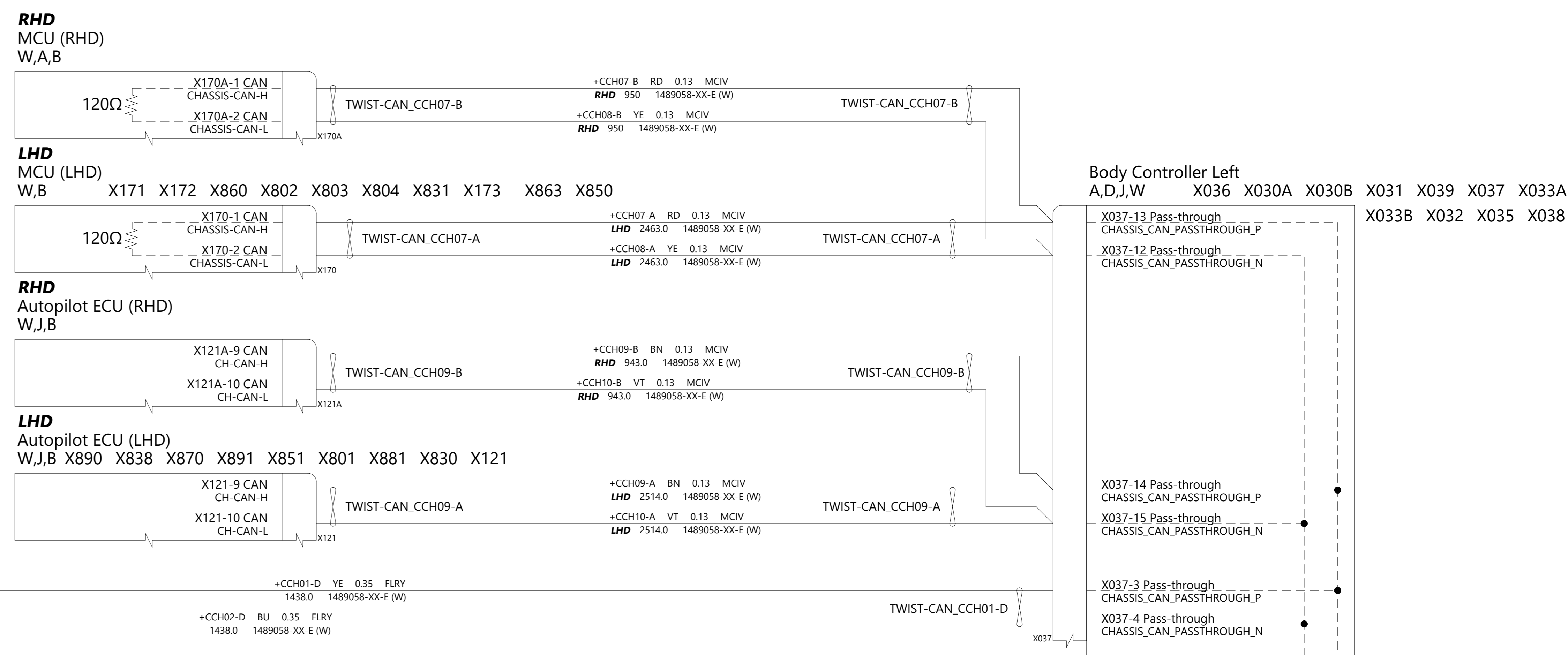
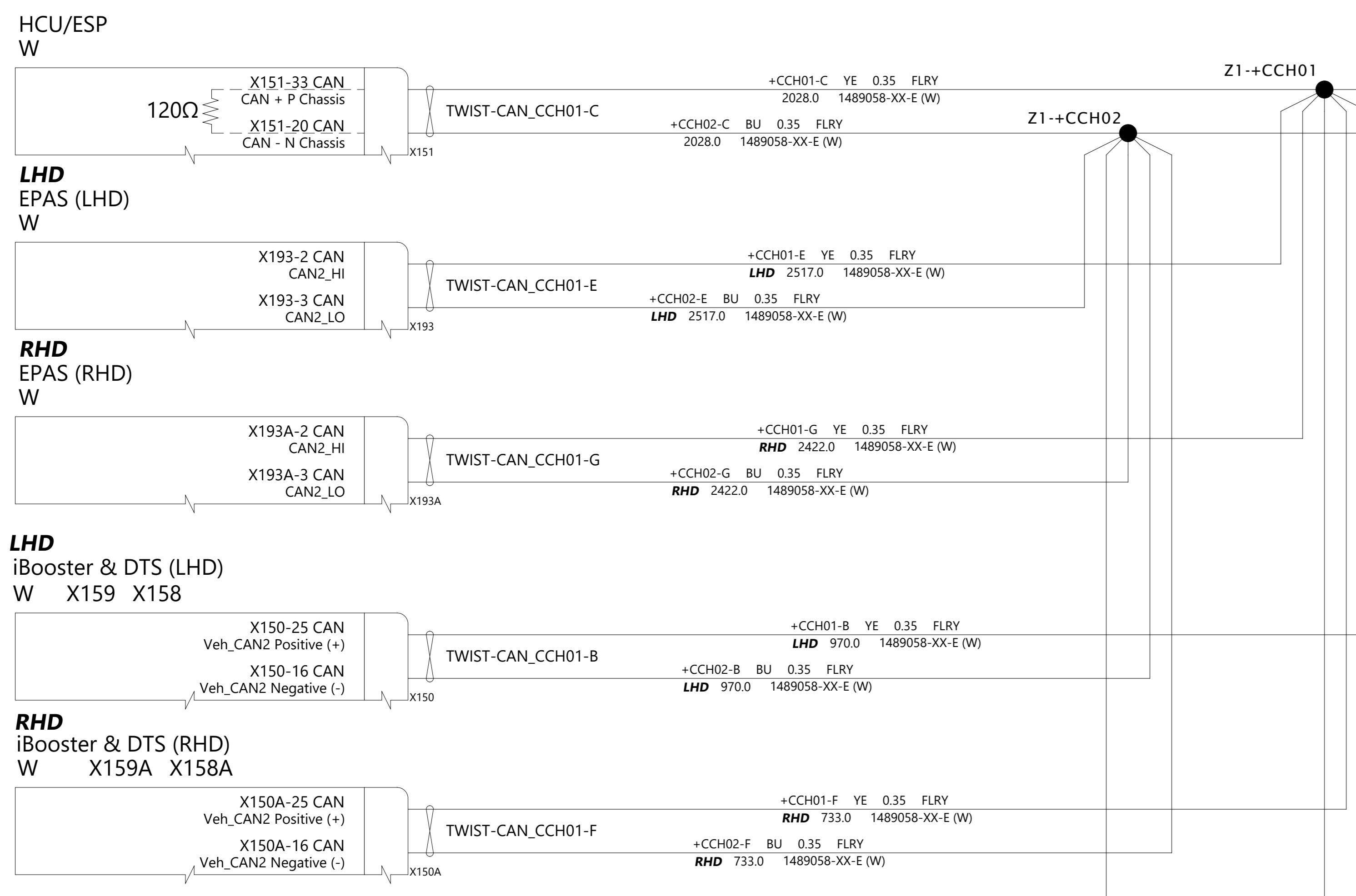


EPB Right
B



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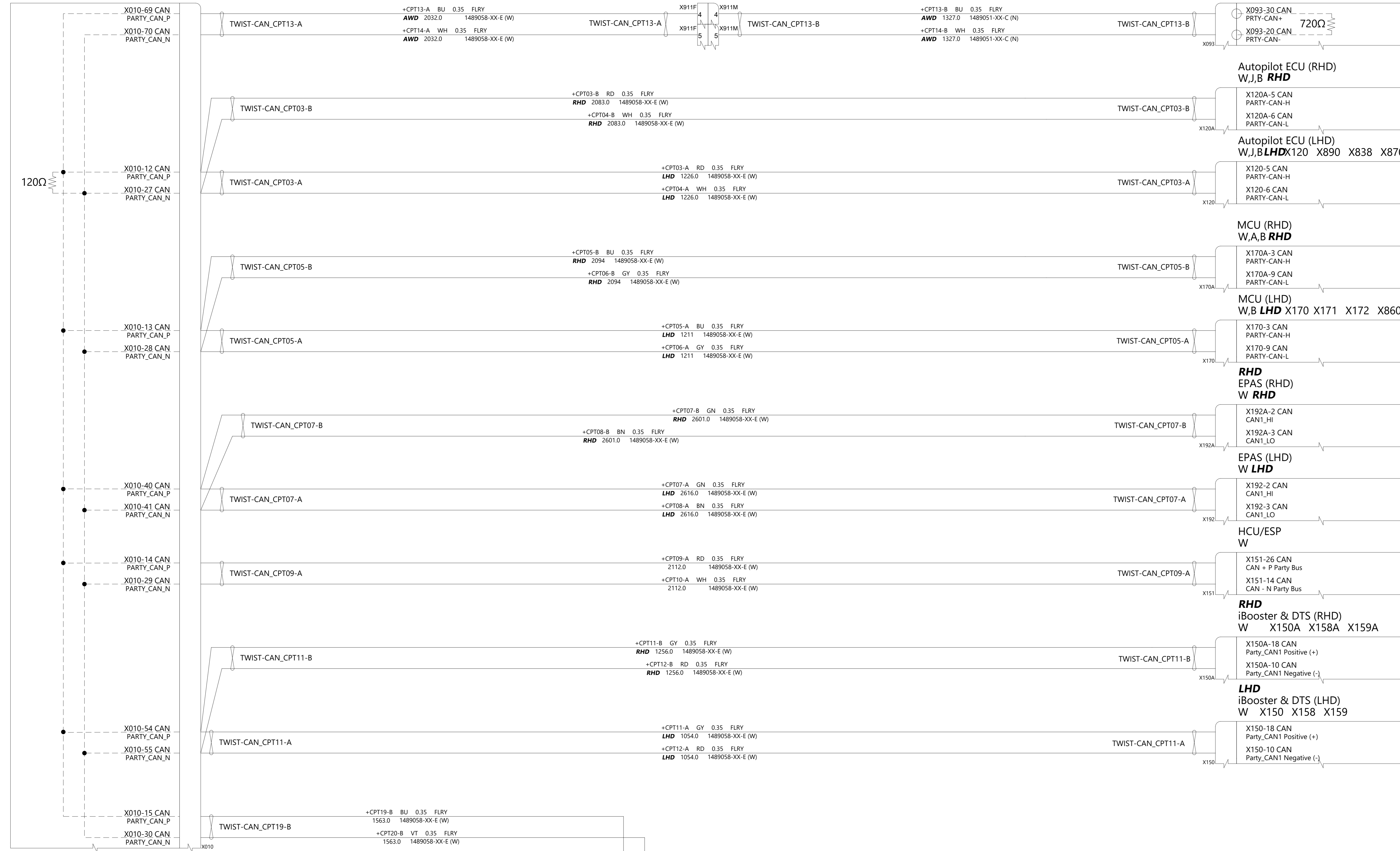
DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Brake Controls		
PART NUMBER	REV	SHEET
	3	13 OF 49
		SIZE A0



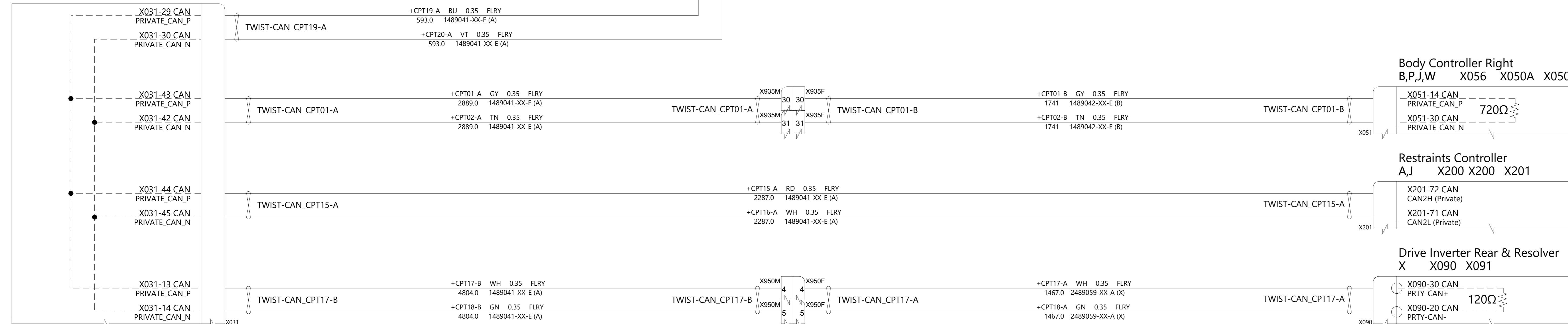
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME CAN Chassis		
PART NUMBER	REV	SHEET
	3	14 OF 50
		SIZE A0

Body Controller Front
W,U X021 X012 X011 X010 X015X014



Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



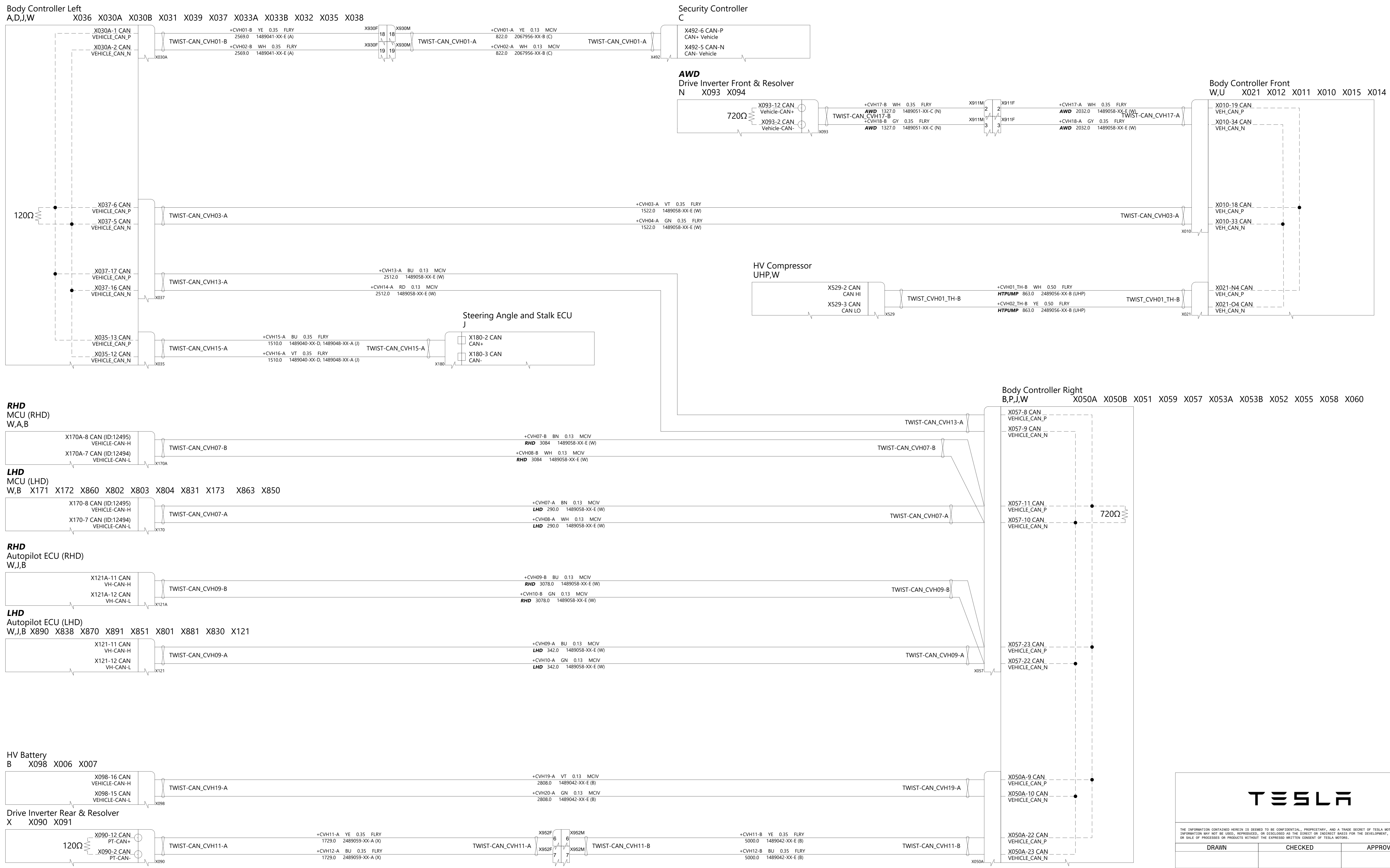
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
CAN Party

PART NUMBER	REV	SHEET	SIZE
	3	15 of 50	A0



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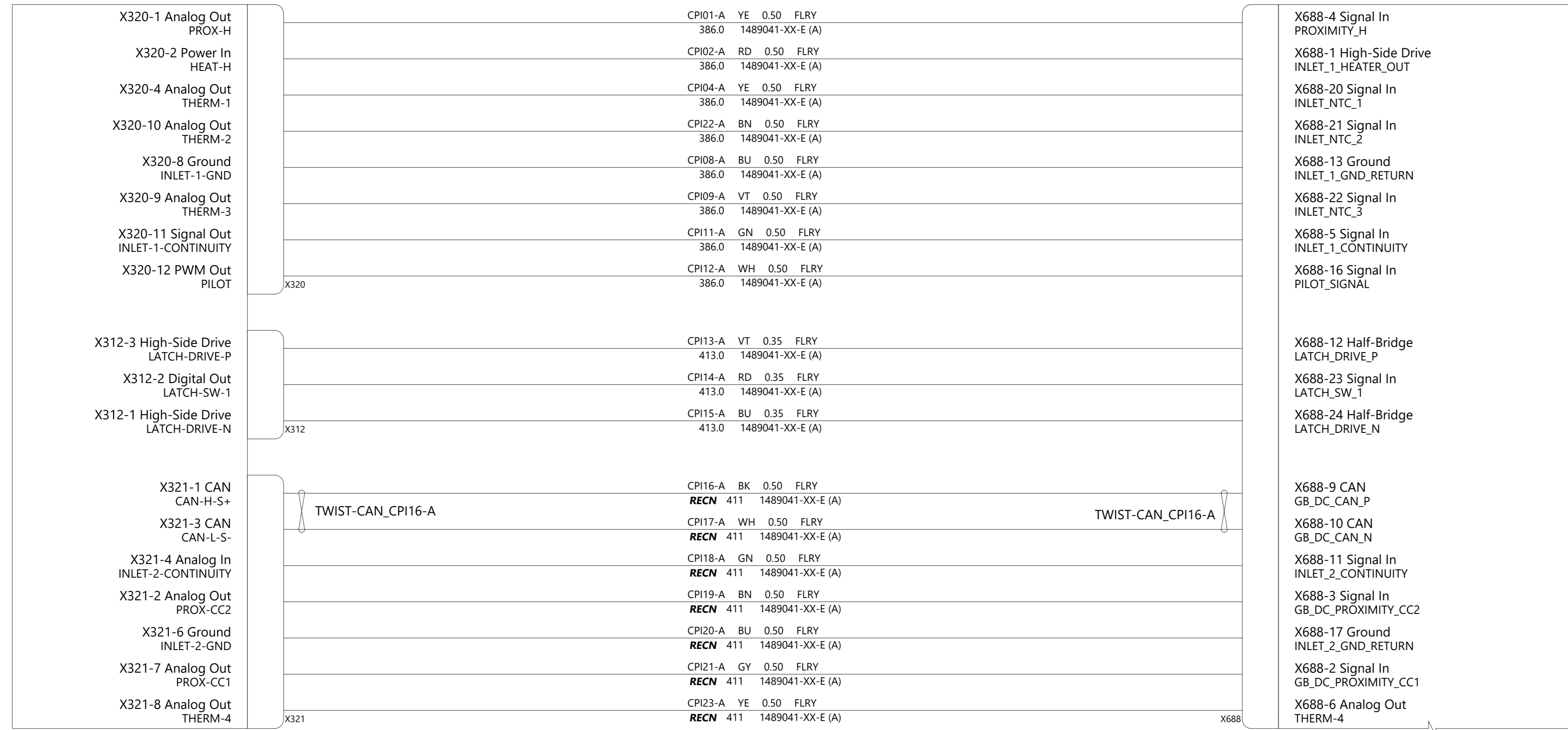
DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
CAN Vehicle

PART NUMBER	REV	SHEET	SIZE
	3	16 of 50	A0

Charge Port Inlet
A



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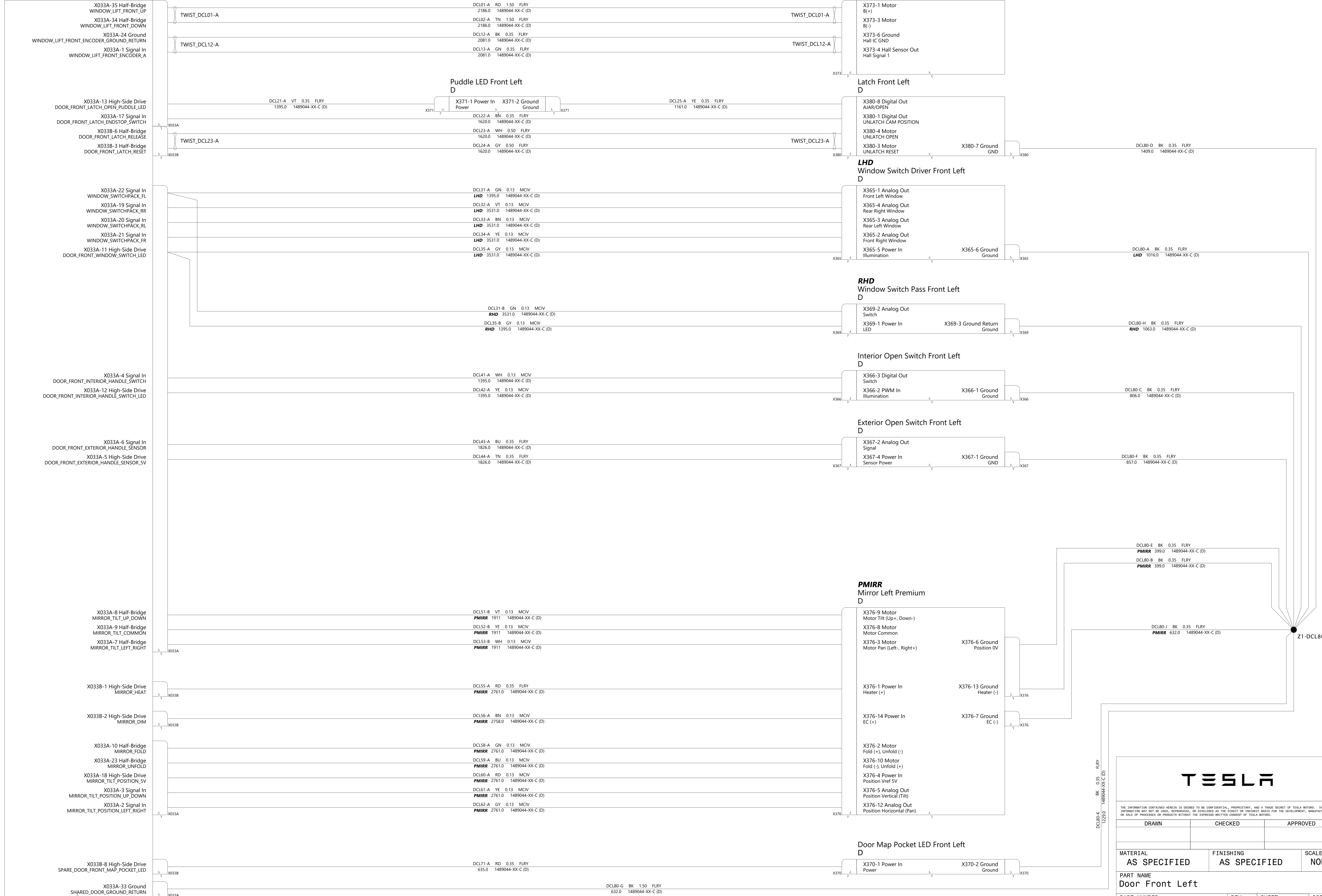
DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Charge Port Inlet

PART NUMBER	REV 3	SHEET 17 of 50	SIZE A0
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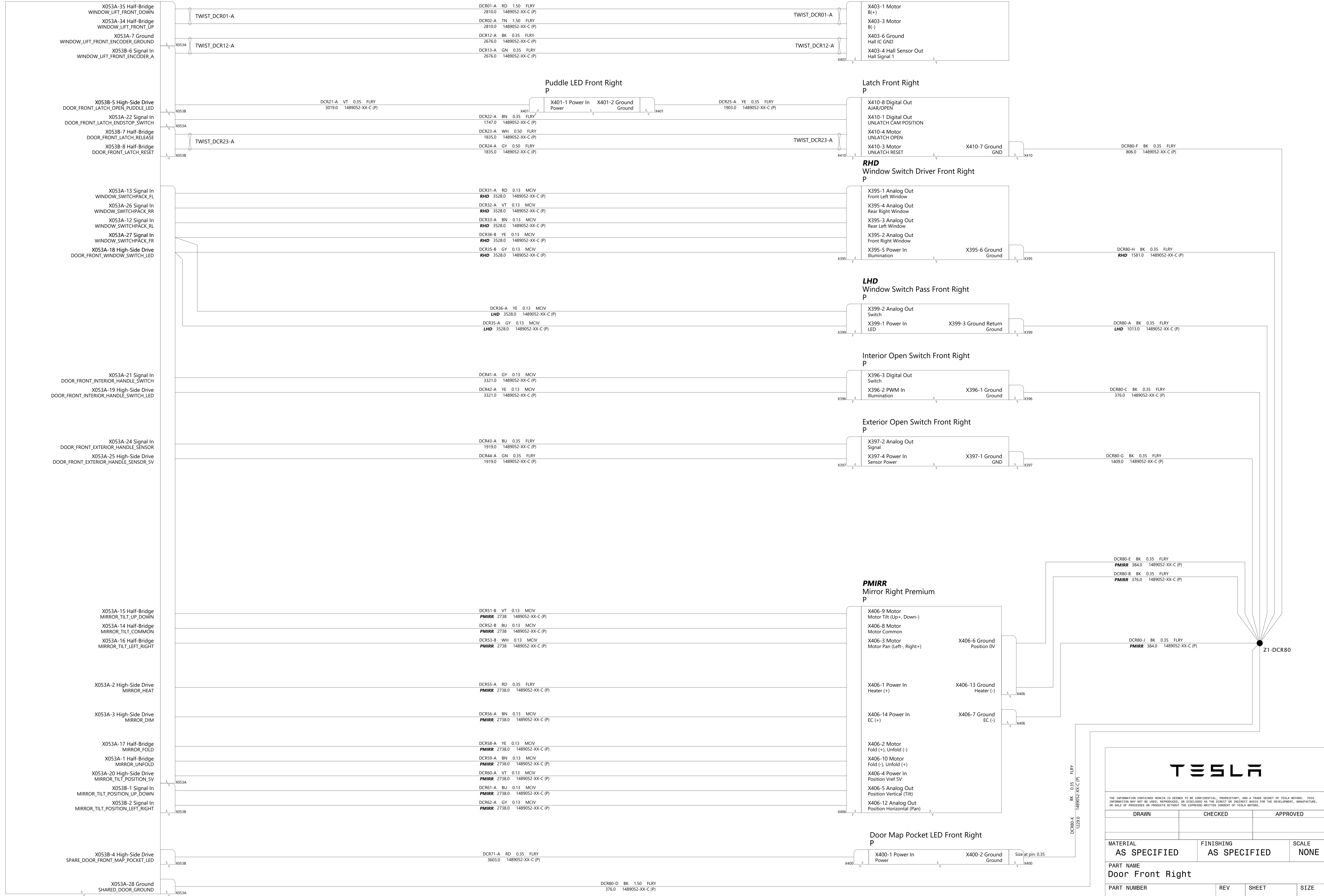
Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Door Front Left		
PART NUMBER	REV	SHEET
	3	18 OF 50
		SIZE A0

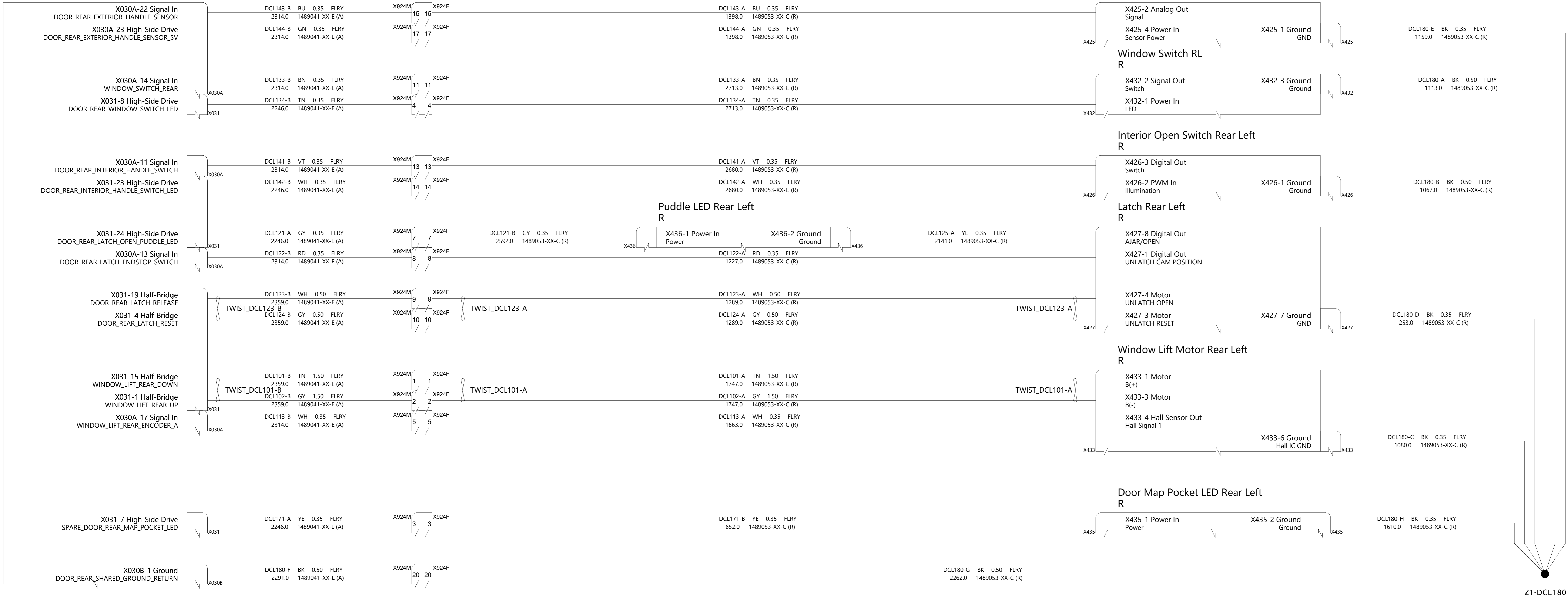
Body Controller Right
 B,P,J,VK050A X050B X051 X057 X053A X053B X052 X055 X058 X060



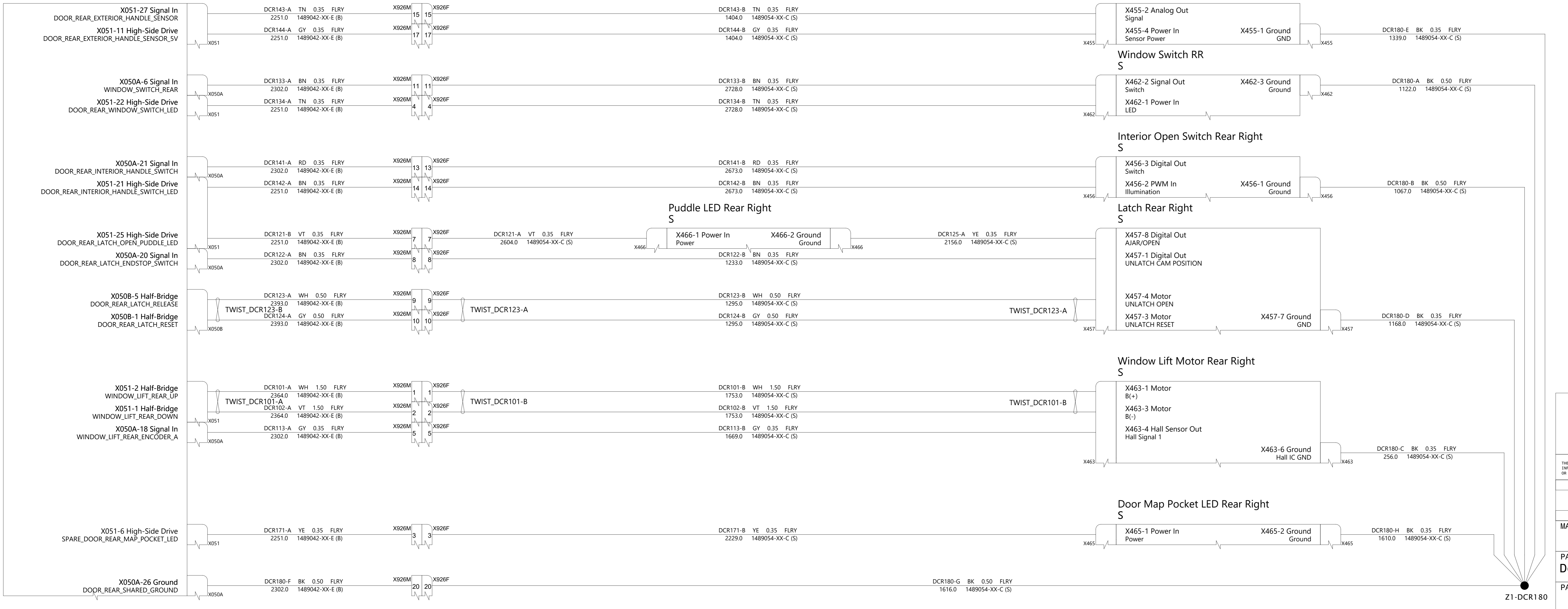
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Door Front Right		
PART NUMBER	REV 3	SHEET 19 of 50
		SIZE A0

Body Controller Left
A,D,J,W X030A X030B X031 X039 X037 X033A X033B X032 X035 X038

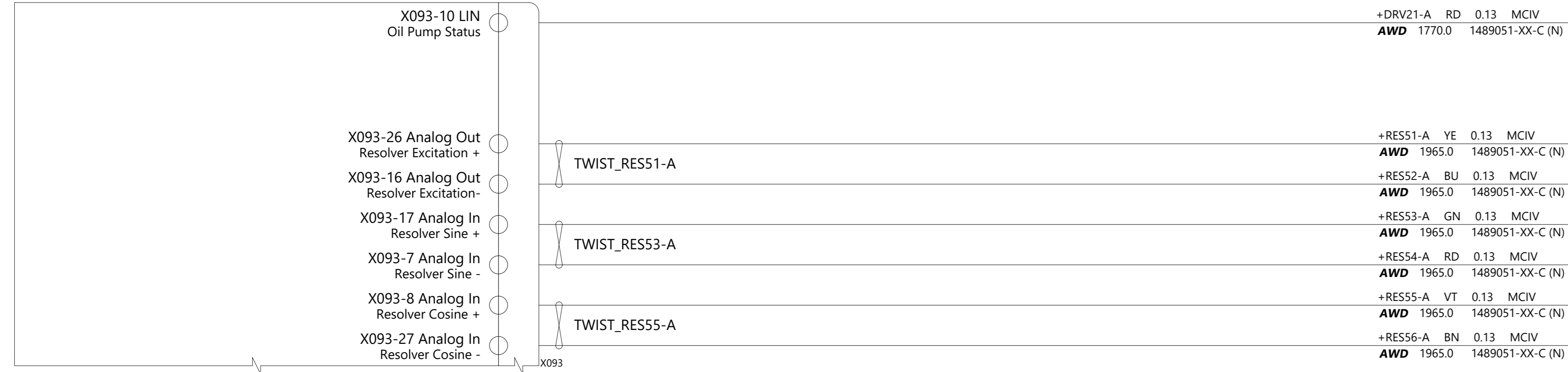


Body Controller Right
B,P,J,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

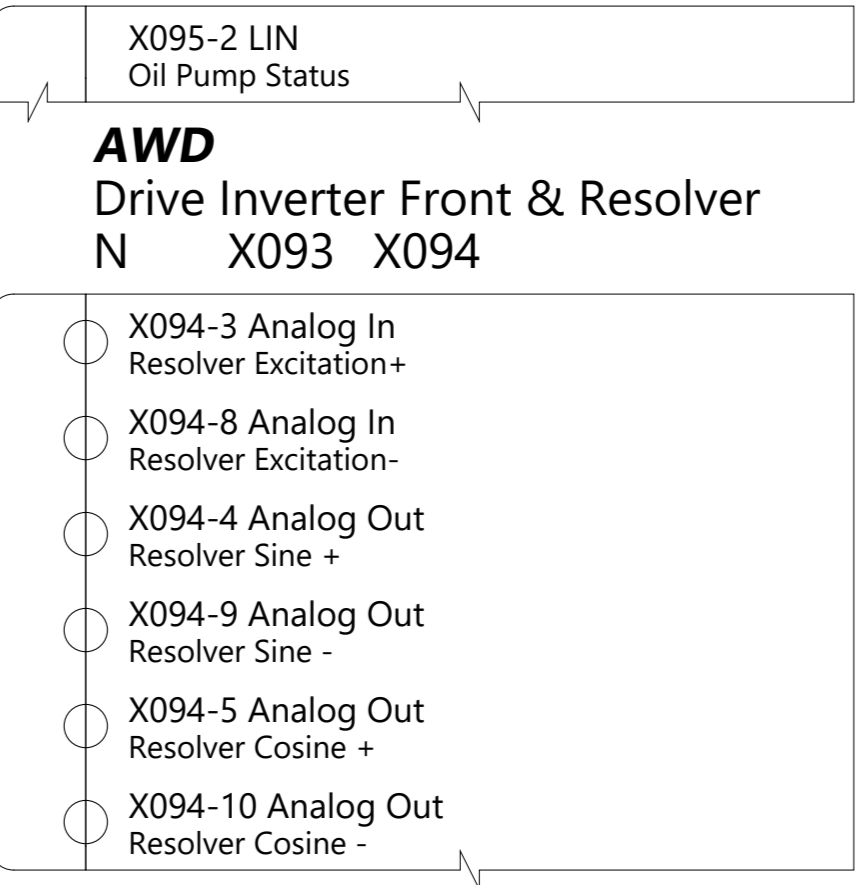


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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED		FINISHING AS SPECIFIED	
PART NAME Doors Rear		SCALE NONE	
PART NUMBER	REV 3	SHEET 20 of 50	SIZE A0

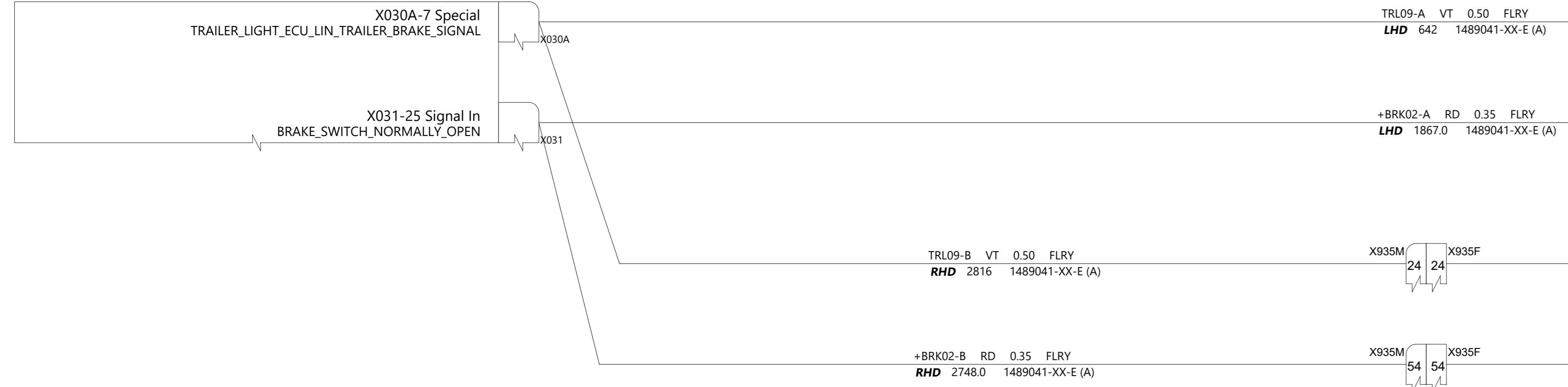
AWD
Drive Inverter Front & Resolver
N X093 X094



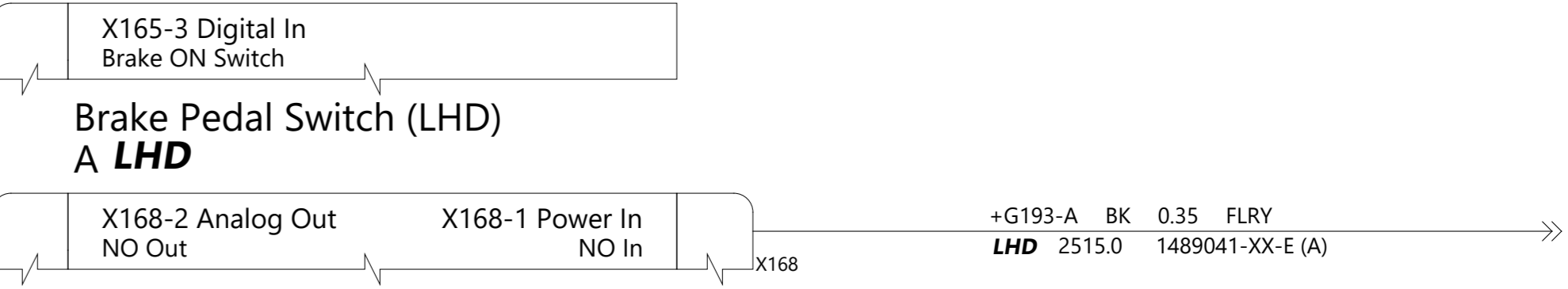
AWD
Drive Unit Oil Pump Front
N



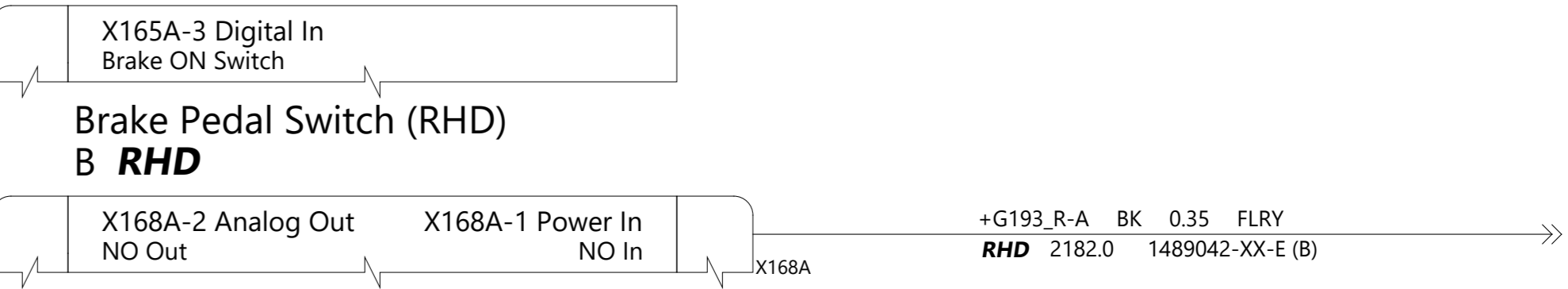
Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



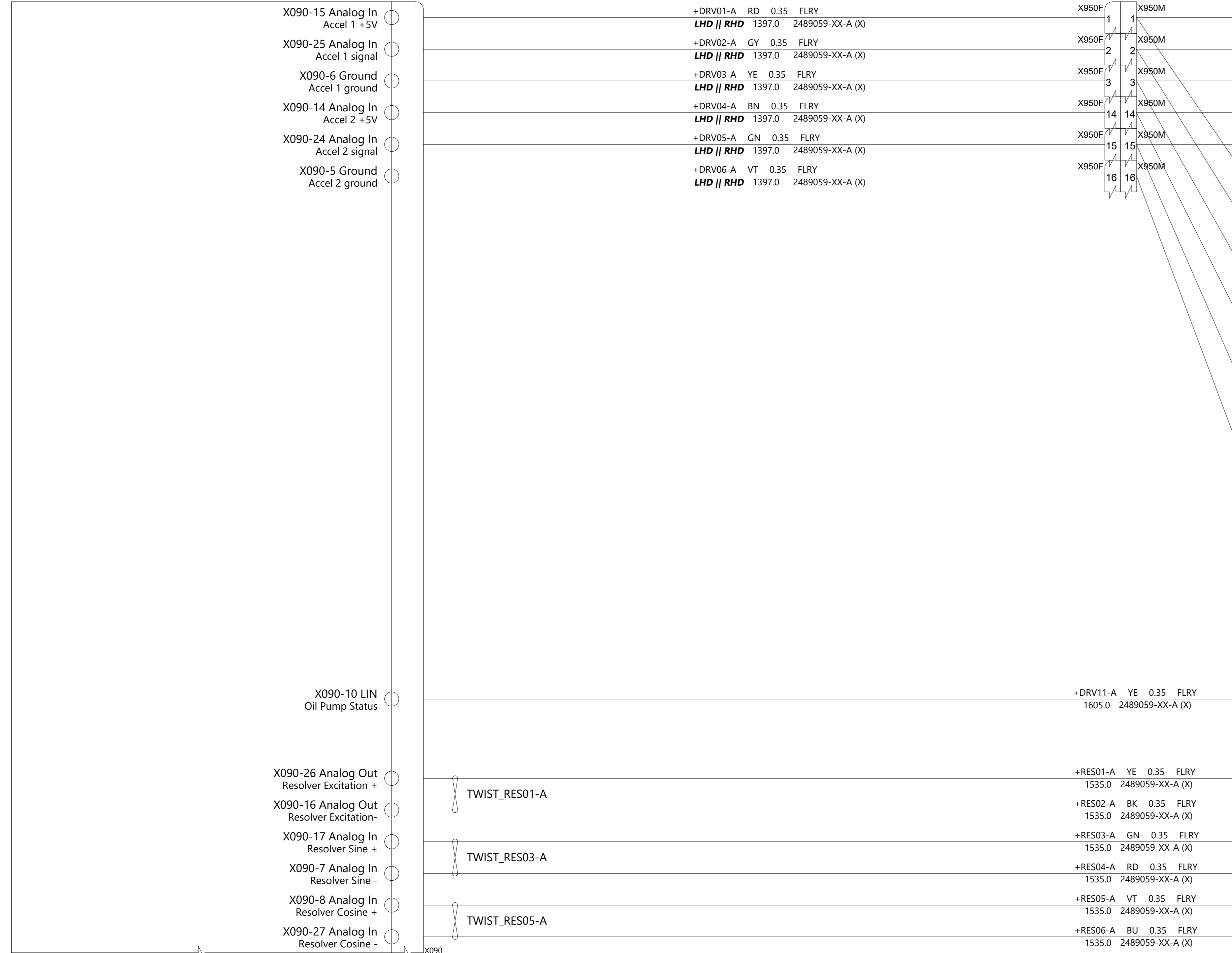
Trailer Brake Controller
A LHD



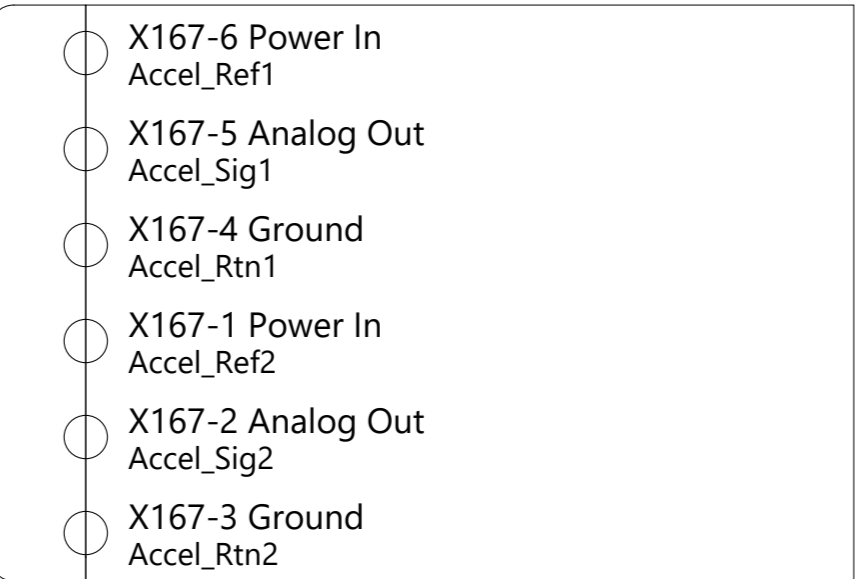
Trailer Brake Controller, RHD
B RHD



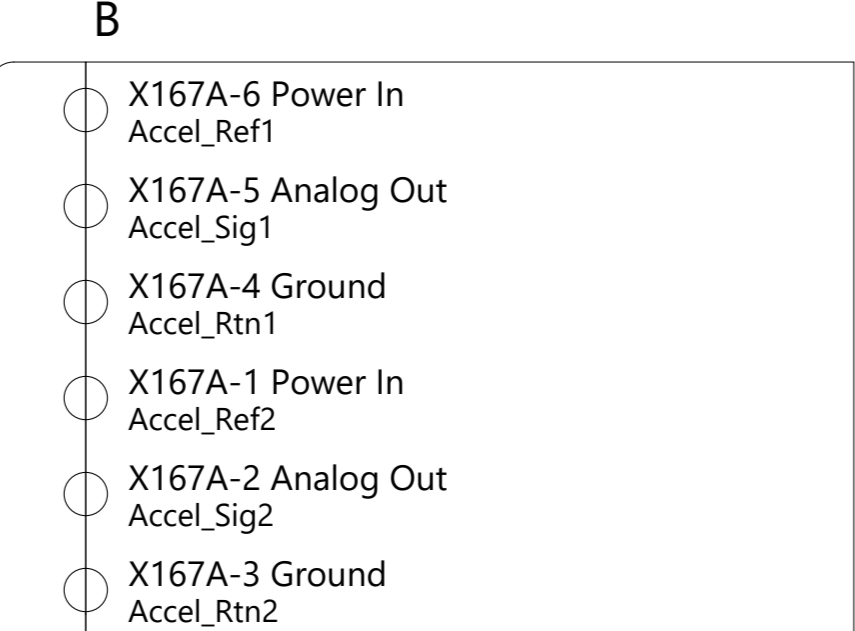
Drive Inverter Rear & Resolver
X X090 X091



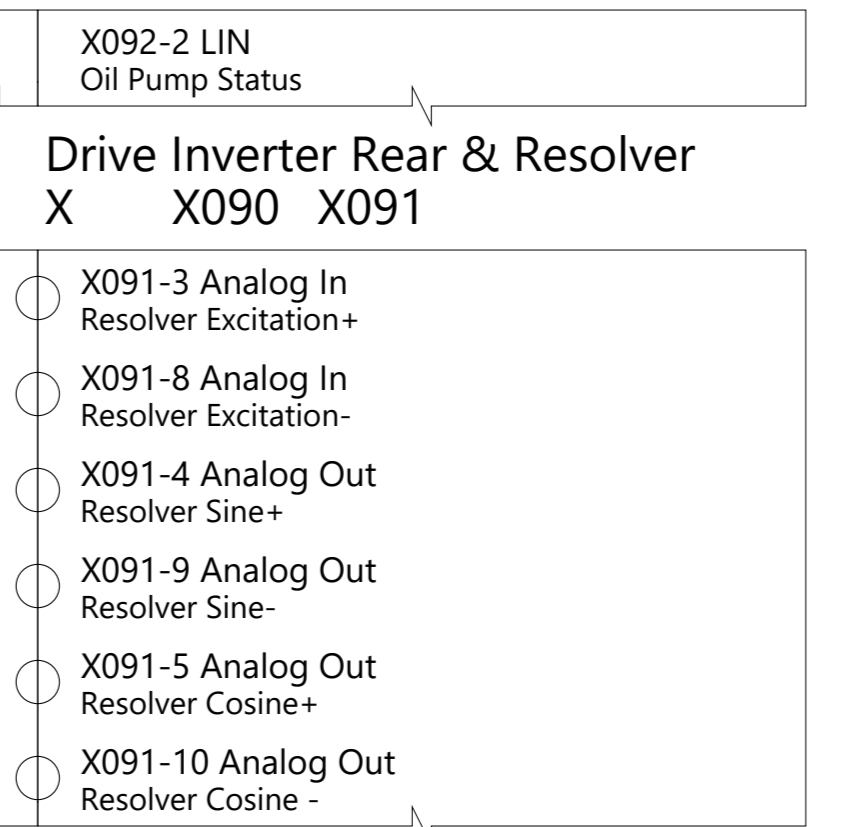
Accel Pedal Sensor (LHD)
A LHD



Accel Pedal Sensor (RHD)
B



Drive Unit Oil Pump Rear
X



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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
Drive Inverters

PART NUMBER	REV	SHEET	SIZE
	3	21 OF 49	A0

Body Controller Front
W,U X021 X012 X011 X010 X015 X014

Body Controller Right
B,P,J,W X056 X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

LHD
Autopilot ECU (LHD)
W,J,B X120 X890 X838 X870 X891 X851 X801 X881 X830 X121

X120-9 Power In
12V0-BAT-20A
X121-4 Power In
12V0-BAT-5A
X121-5 Power In
12V0-C-5A-HVAC
X121-13 Power In
12V0-BAT-5A

120Ω
X121-1 CAN
PARK-ECU-CAN-H
X121-2 CAN
PARK-ECU-CAN-L

120Ω
X121-7 CAN
PRIMARY-RADAR-CAN-H
X121-6 CAN
PRIMARY-RADAR-CAN-L

X851-H Ethernet2Wire
APE-BR-ETH

X120-1 Analog Out
Emergency Audio, eCall Speaker P
X120-11 Analog Out
Emergency Audio, eCall Speaker N

LHD
MCU (LHD)
W,B X171 X172 X860 X802 X803 X804 X831 X173 X863 X850

X170-6 Analog Out
APE-EMERG-AUD-P
X170-12 Analog Out
APE-EMERG-AUD-N

X173-2 Analog Out
EMERG-AUD-OUT_P
X173-1 Analog Out
EMERG-AUD-OUT_N

DAS01-A WH 0.35 FLYR
1200.0 1489058-XX-E (W)

CPA01-A GY 0.35 FLYR
LHD 342 1489058-XX-E (W)

CPA02-A GN 0.35 FLYR
LHD 342 1489058-XX-E (W)

CRP01-B BU 0.35 FLYR
LHD 3553 1489058-XX-E (W)

CRP02-B RD 0.35 FLYR
LHD 3553 1489058-XX-E (W)

ETH01-A BK HMTD COAX
LHD 160 1489058-XX-E (W)

AUD69-A RD 0.35 FLYR
LHD && RENA 1011 1489058-XX-E (W)

AUD70-A GN 0.35 FLYR
LHD && RENA 1011 1489058-XX-E (W)

AUD69_A-A RD 0.35 FLYR
LHD && REAP || LHD && REEU 256 1489058-XX-E (W)

AUD70_A-A GN 0.35 FLYR
LHD && REAP || LHD && REEU 256 1489058-XX-E (W)

AUD69_B-A RD 0.35 FLYR
LHD 1529.0 1489042-XX-E (B)

AUD70_B-A GN 0.35 FLYR
LHD 1529.0 1489042-XX-E (B)

AUD69_B-B RD 0.35 FLYR
LHD && REEU || LHD && REAP 1073.0 1489058-XX-E (W)

AUD70_B-B GN 0.35 FLYR
LHD && REEU || LHD && REAP 1073.0 1489058-XX-E (W)

Radar Front
L

X104-4 Power In
12V Power (Drive Rail)
X104-2 CAN-P
CAN High 1
X104-3 CAN-N
CAN Low 1

LHD
MCU (LHD)
W,B X171 X172 X860 X802 X803 X804 X831 X173 X863 X850

X850-H Ethernet2Wire
APE-BR-ETH

LHD
Speaker Emergency Audio (LHD)
W

X603-1 Analog In
Speaker P
X603-2 Analog In
Speaker N

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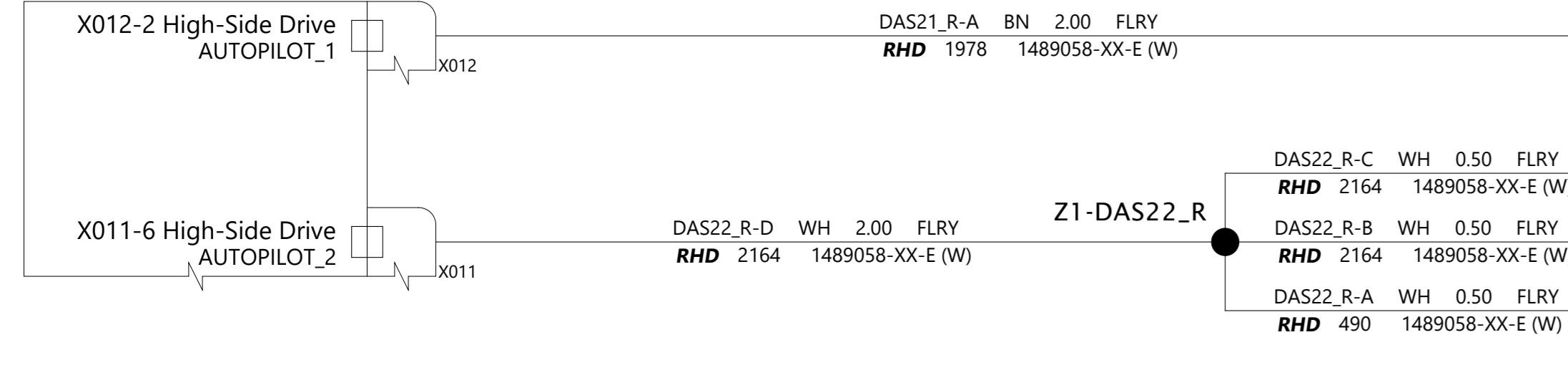
DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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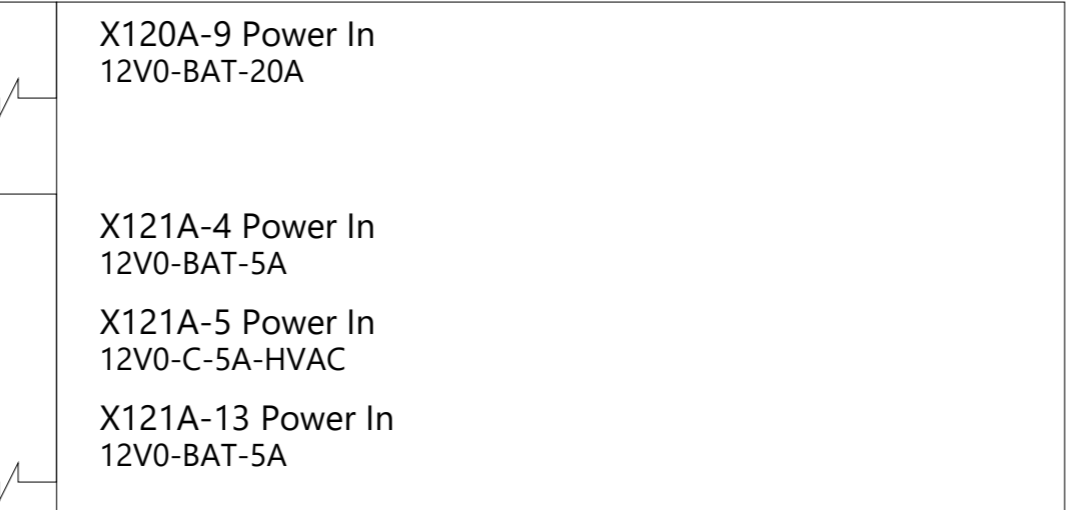
PART NAME
Driver Assistance

PART NUMBER	REV 3	SHEET 22 of 50	SIZE A0
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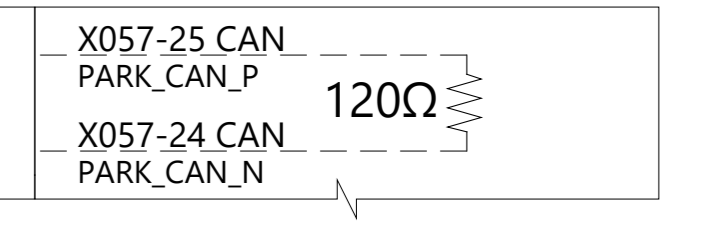
Body Controller Front
W,U



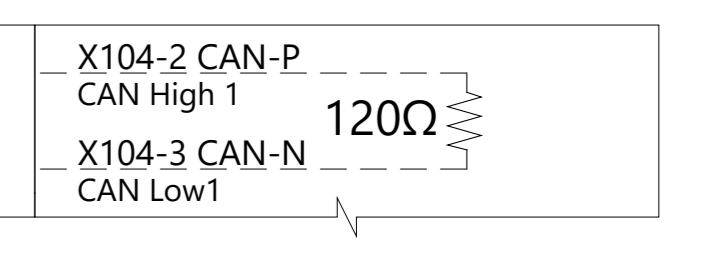
RHD
Autopilot ECU (RHD)
W,J,B



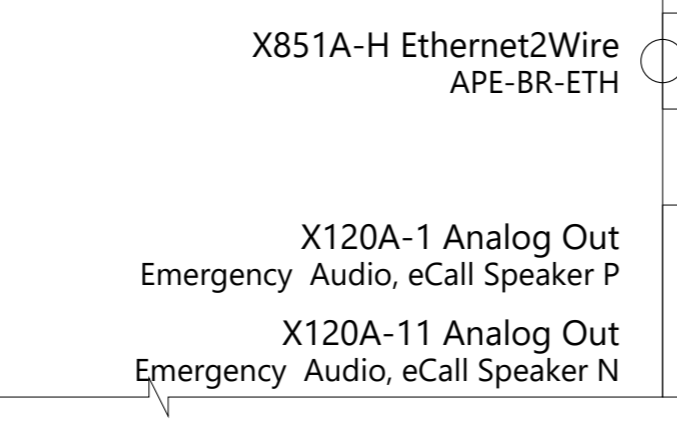
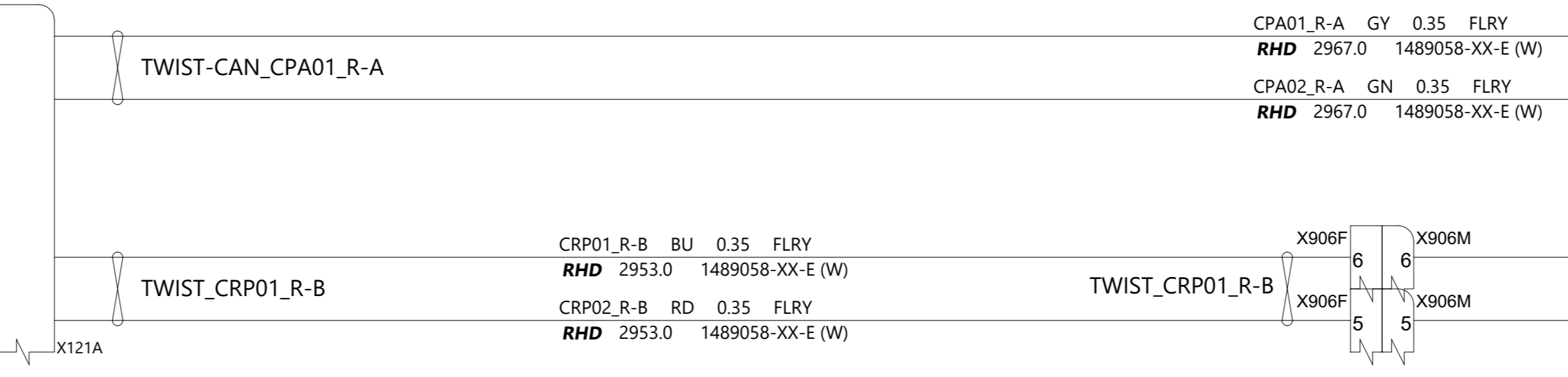
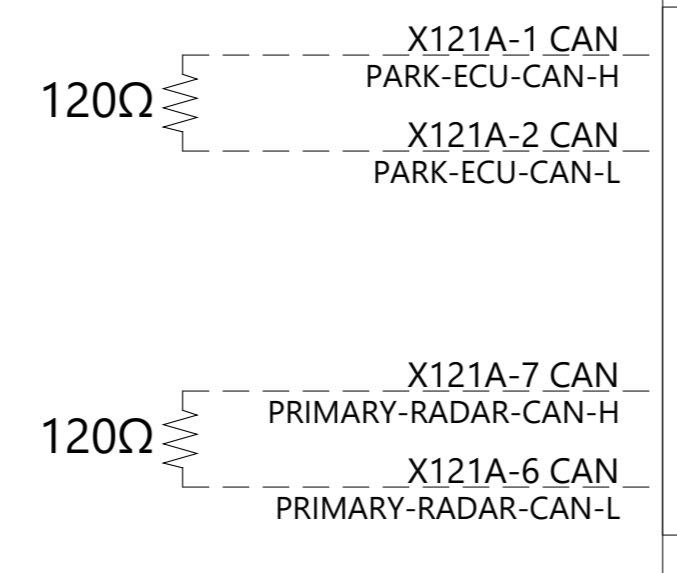
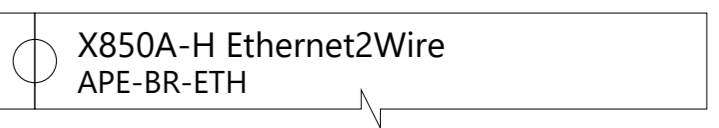
Body Controller Right
B,P,J,W



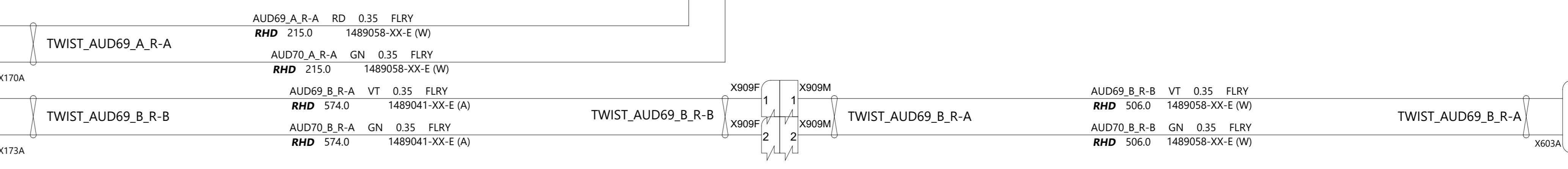
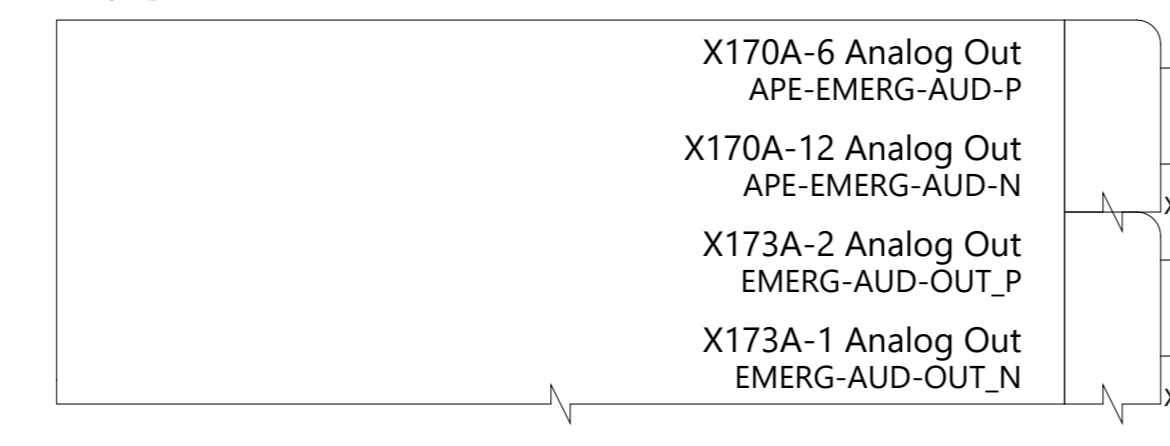
Radar Front
L



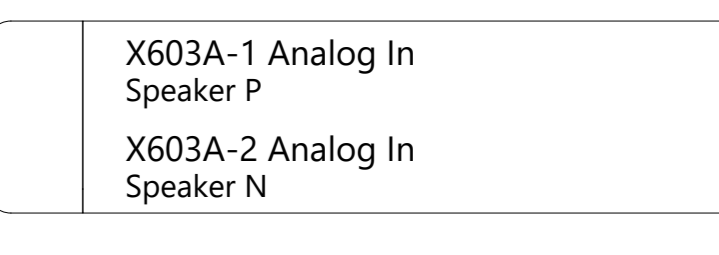
RHD
MCU (RHD)
W,A,B



RHD
MCU (RHD)
W,B,B



RHD
Speaker Emergency Audio (RHD)
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
Driver Assistance, RHD

PART NUMBER	REV	SHEET	SIZE
	3	23 of 49	A0

Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038

Body Controller Right
B,P,I,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

HV Battery
B X098 X006 X007

Charge Port Door
Z

X690-1 Vref Input 3.3V
X690-2 Analog Out UHF
X690-3 Digital In LDC-INT
X690-4 Ground Return GND
X690-5 Digital In LDC-SD
X690-6 Power In LED Red
X690-7 I2C SCL
X690-8 Power In LED Green
X690-9 I2C SDA
X690-10 Power In LED Blue
X691-1 Power In Door Drive 2
X691-2 Power In Door Drive 1
X691-3 Vref Input 5V
X691-4 Analog Out Door Sense
X691-5 Ground Return GND

CPD02-A BN 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD10-A WH 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD06-A GY 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD03-A OG 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD05-A VT 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD07-A RD 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD04-A YL 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD08-A GN 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD01-A BK 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD09-A BU 0.13 MCIV 24.5 1099953-XX-E (CP Door)
CPD11-A RD 0.35 FLYRY 25.0 1099953-XX-E (CP Door)
CPD13-A VT 0.35 FLYRY 25.0 1099953-XX-E (CP Door)
CPD14-A OG 0.35 FLYRY 25.0 1099953-XX-E (CP Door)
CPD15-A GN 0.35 FLYRY 25.0 1099953-XX-E (CP Door)
CPD12-A BK 0.35 FLYRY 25.0 1099953-XX-E (CP Door)

X687-2 High-Side Drive LDC_POWER
X687-12 Special UHF_ANTENNA
X687-14 Signal In LDC_INTERRUPT
X687-3 Ground TRIM_GND_RETURN
X687-13 Signal Out LDC_SHUTDOWN
X687-6 High-Side Drive LED_RED
X687-4 Special LDC_SCL
X687-7 High-Side Drive LED_GREEN
X687-1 Special LDC_SDA
X687-8 High-Side Drive LED_BLUE
X687-16 Half-Bridge DOOR_DRIVE_N
X687-15 Half-Bridge DOOR_DRIVE_P
X687-11 High-Side Drive DOOR_POSITION_POWER
X687-5 Signal In DOOR_POSITION
X687-10 Ground DOOR_POSITION_GND_RETURN

First Responder Loop

HV Disconnect W

Restraints Controller AJ X200 X201

Body Controller Right B,P,J,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

Body Controller Front W,U X021 X012 X011 X010 X015 X014

Charge Port ECU A X688 X687

Drive Inverter Rear & Resolver X X090 X091

HV Compressor HVIL Shunt

PTC HVIL Shunt HV Heat Pump Jumper

HV Compressor UHP,W

AWD Drive Inverter Front & Resolver N X093 X094

TESLA

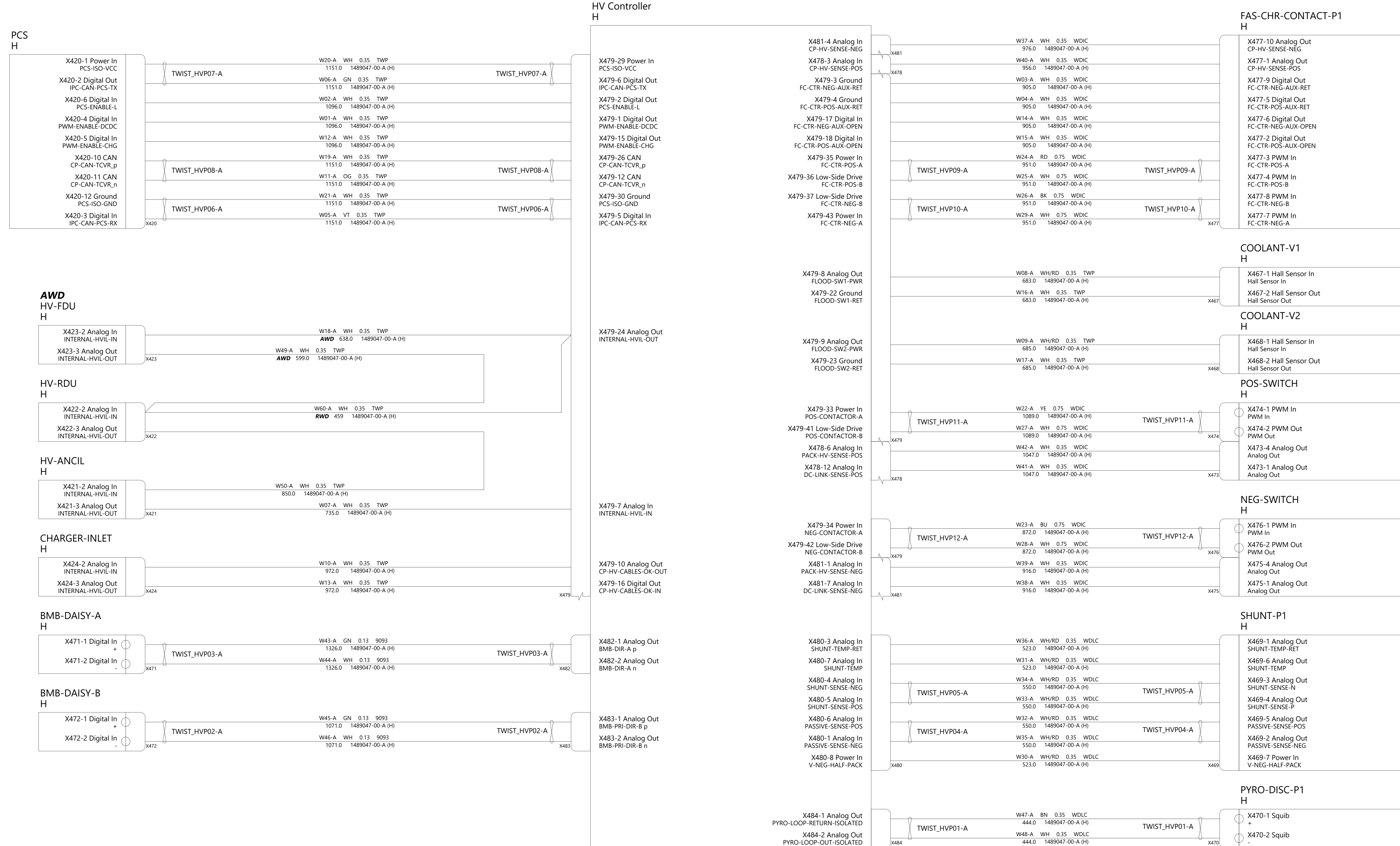
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DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
HV Battery and HVIL

PART NUMBER	REV	SHEET	SIZE
	3	24 OF 50	A0

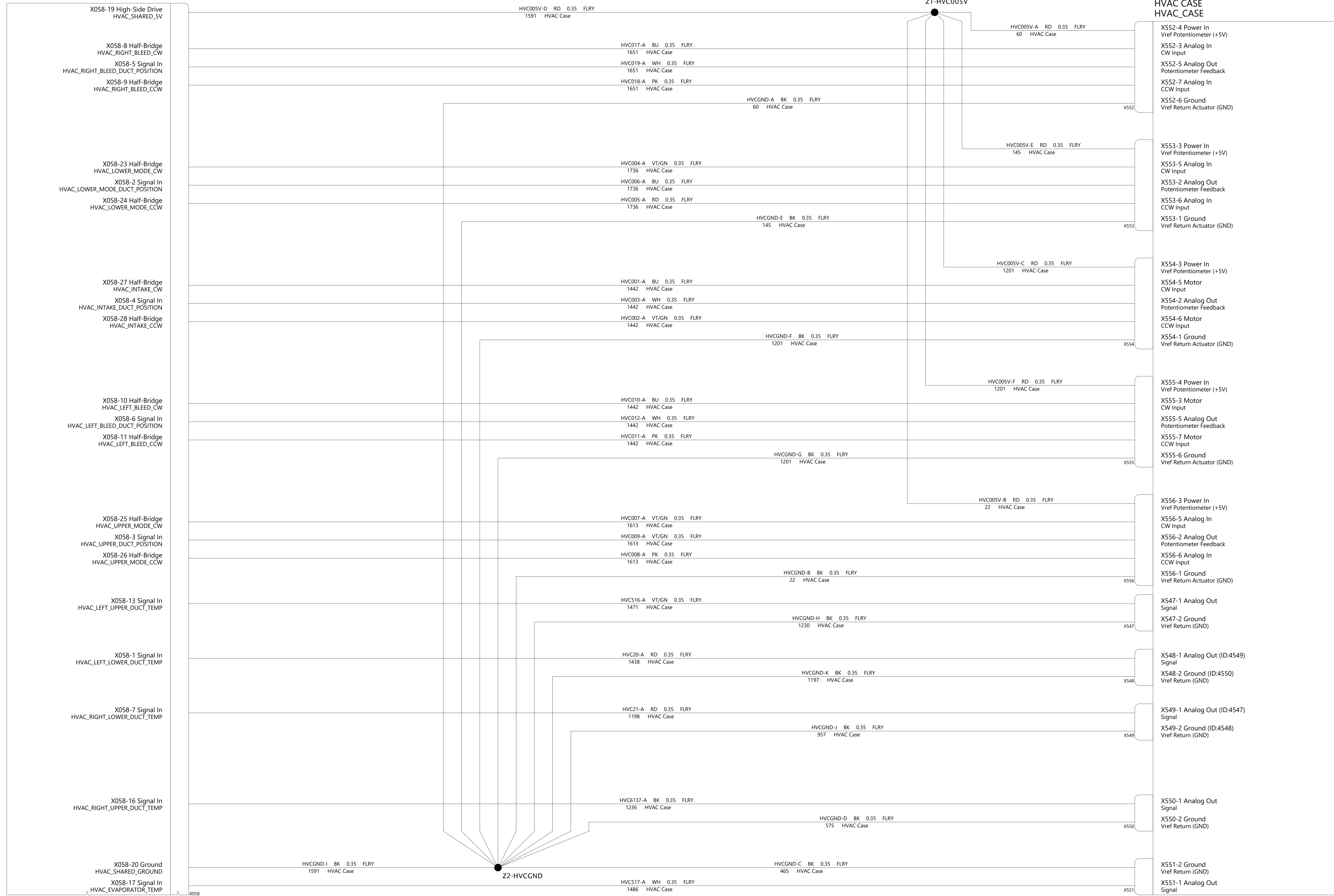


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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED		SCALE NONE
FINISHING AS SPECIFIED		
PART NAME HV Penthouse		
PART NUMBER	REV	SHEET
	1	26 of 49
		SIZE A0

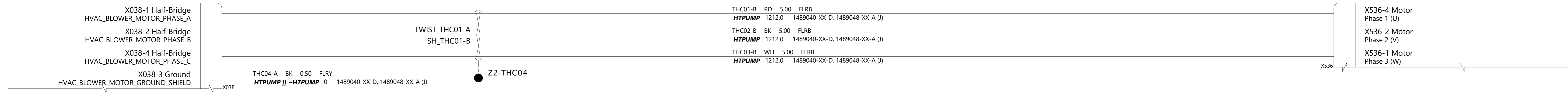
Body Controller Right
B,P,J,W X056 X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



HVAC CASE
HVAC_CASE

X552-4 Power In
Vref Potentiometer (+5V)
X552-3 Analog In
CW Input
X552-5 Analog Out
Potentiometer Feedback
X552-7 Analog In
CCW Input
X552-6 Ground
Vref Return Actuator (GND)
X553-3 Power In
Vref Potentiometer (+5V)
X553-5 Analog In
CW Input
X553-2 Analog Out
Potentiometer Feedback
X553-6 Analog In
CCW Input
X553-1 Ground
Vref Return Actuator (GND)
X554-3 Power In
Vref Potentiometer (+5V)
X554-5 Motor
CW Input
X554-2 Analog Out
Potentiometer Feedback
X554-6 Motor
CCW Input
X554-1 Ground
Vref Return Actuator (GND)
X555-4 Power In
Vref Potentiometer (+5V)
X555-3 Motor
CW Input
X555-5 Analog Out
Potentiometer Feedback
X555-7 Motor
CCW Input
X555-6 Ground
Vref Return Actuator (GND)
X556-3 Power In
Vref Potentiometer (+5V)
X556-5 Analog In
CW Input
X556-2 Analog Out
Potentiometer Feedback
X556-6 Analog In
CCW Input
X556-1 Ground
Vref Return Actuator (GND)
X547-1 Analog Out
Signal
X547-2 Ground
Vref Return (GND)
X548-1 Analog Out (ID:4549)
Signal
X548-2 Ground (ID:4550)
Vref Return (GND)
X549-1 Analog Out (ID:4547)
Signal
X549-2 Ground (ID:4548)
Vref Return (GND)
X550-1 Analog Out
Signal
X550-2 Ground
Vref Return (GND)
X551-2 Ground
Vref Return (GND)
X551-1 Analog Out
Signal

Body Controller Left
A,D,J,W



HTPUMP
Blower Motor, Heat Pump
J

X536-4 Motor
Phase 1 (J)
X536-2 Motor
Phase 2 (V)
X536-1 Motor
Phase 3 (W)

TESLA

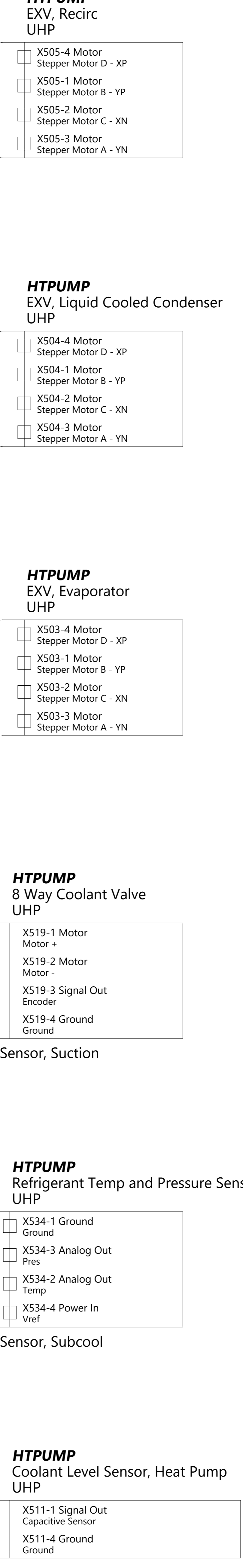
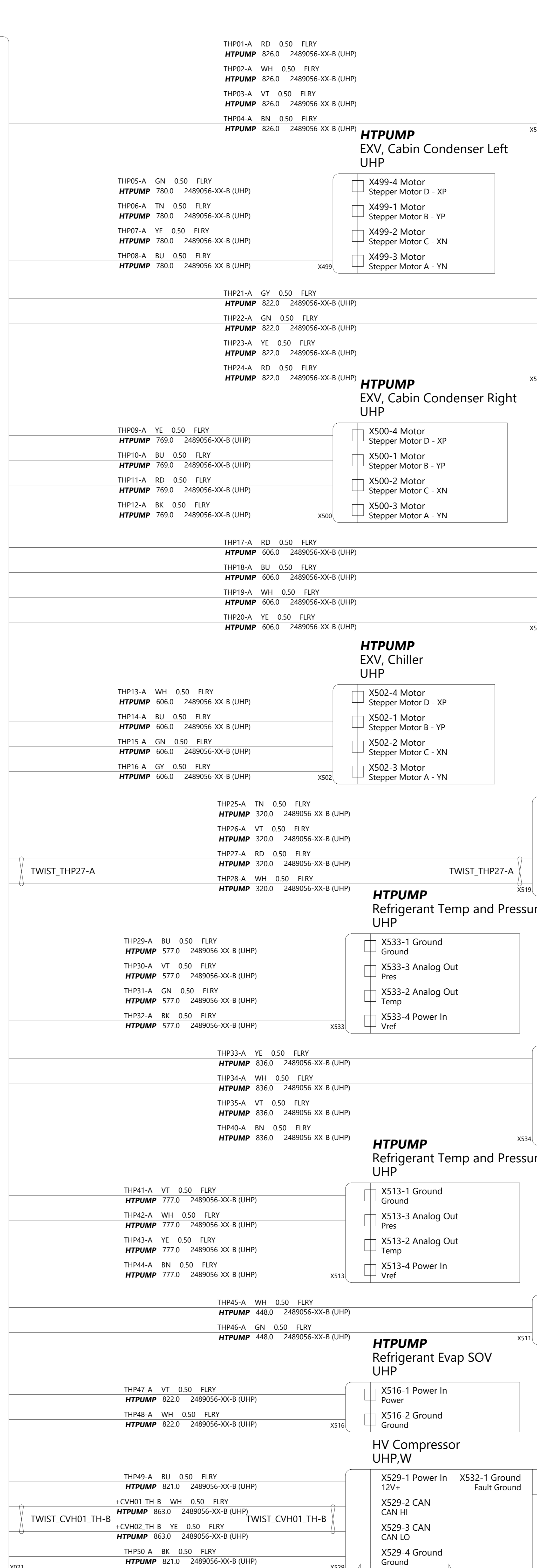
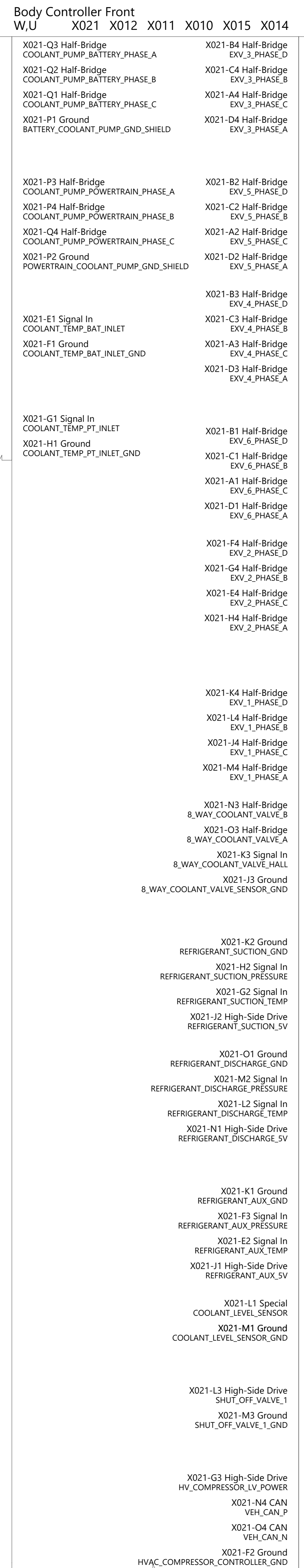
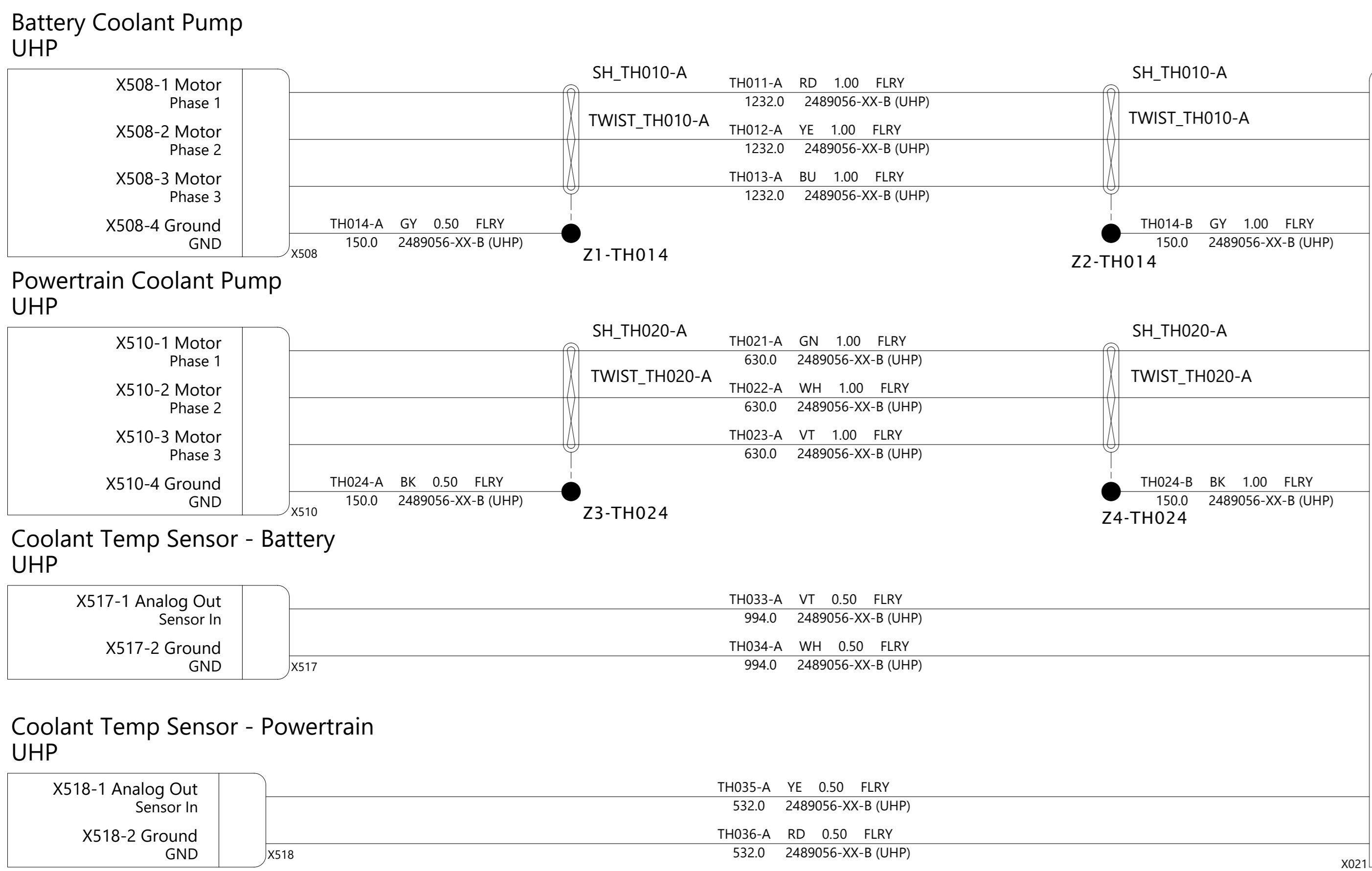
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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HVAC Case

PART NUMBER	REV	SHEET	SIZE
	3	26 of 50	A0



TESLA			
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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED		FINISHING AS SPECIFIED	SCALE NONE
PART NAME HVAC Heat Pump			
PART NUMBER	REV 3	SHEET 27 of 50	SIZE A0



TESLA

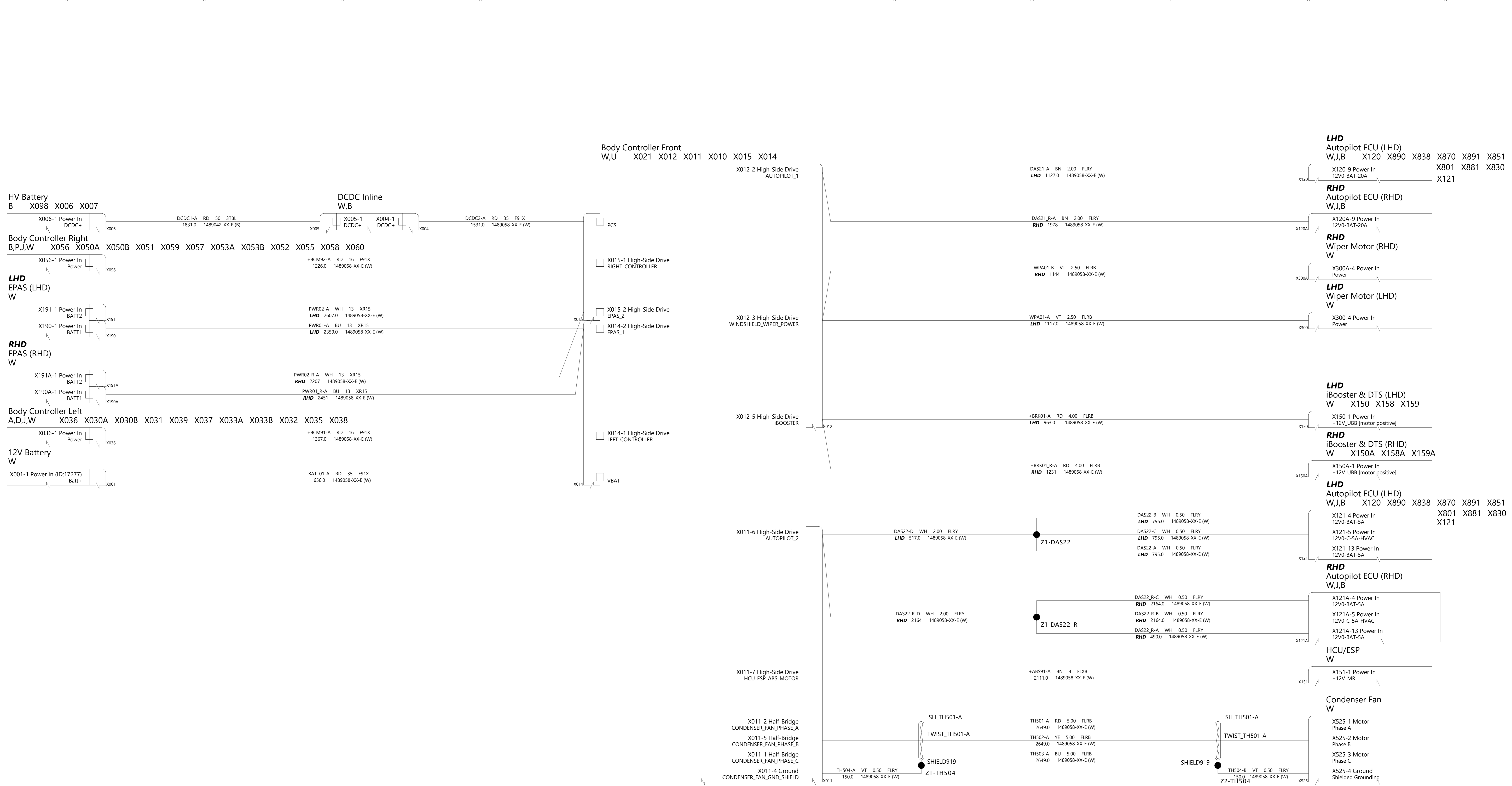
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DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Power Distribution, E-Fuse VCFront 1/2

PART NUMBER	REV	SHEET	SIZE
	3	29 OF 50	A0



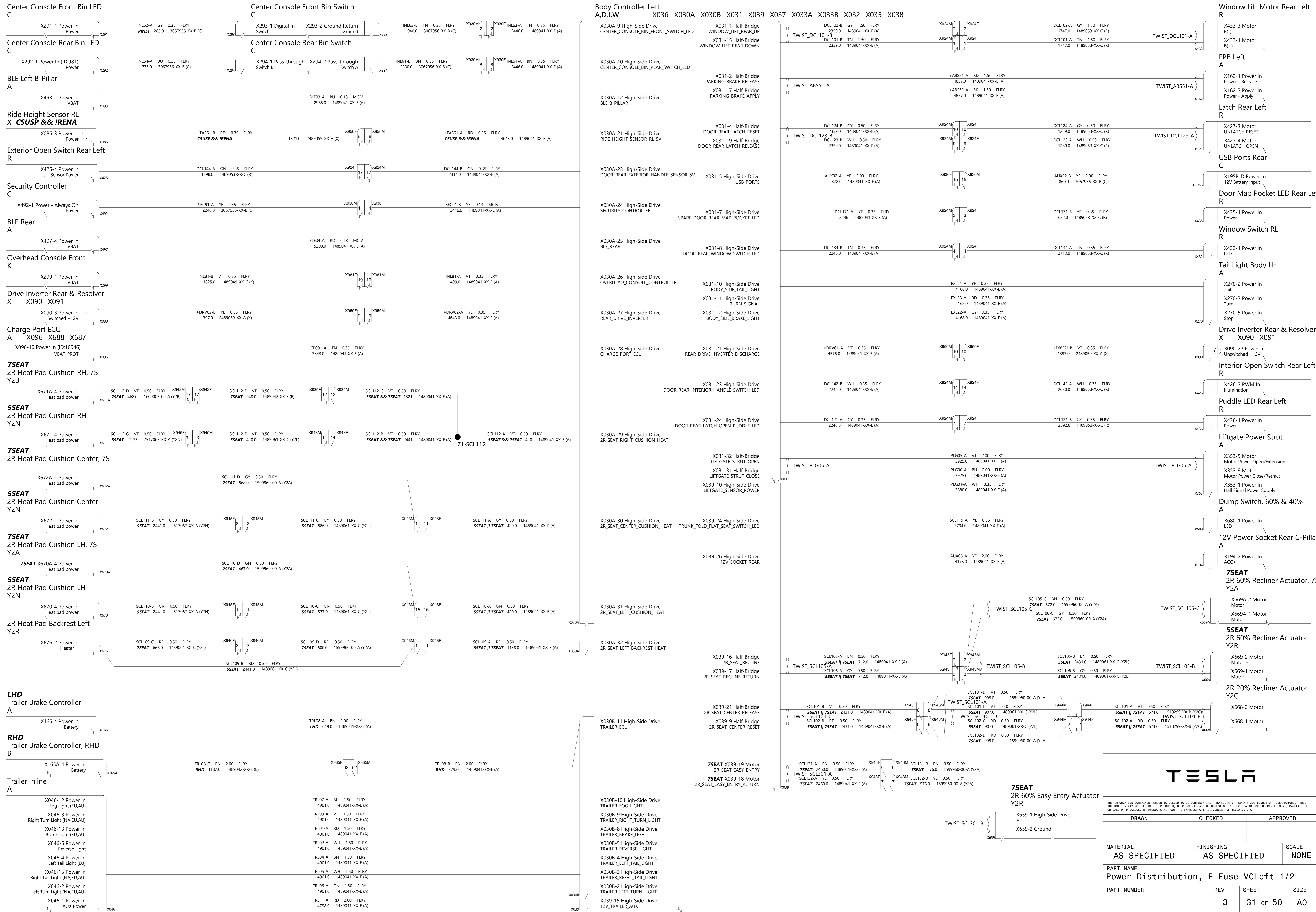
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DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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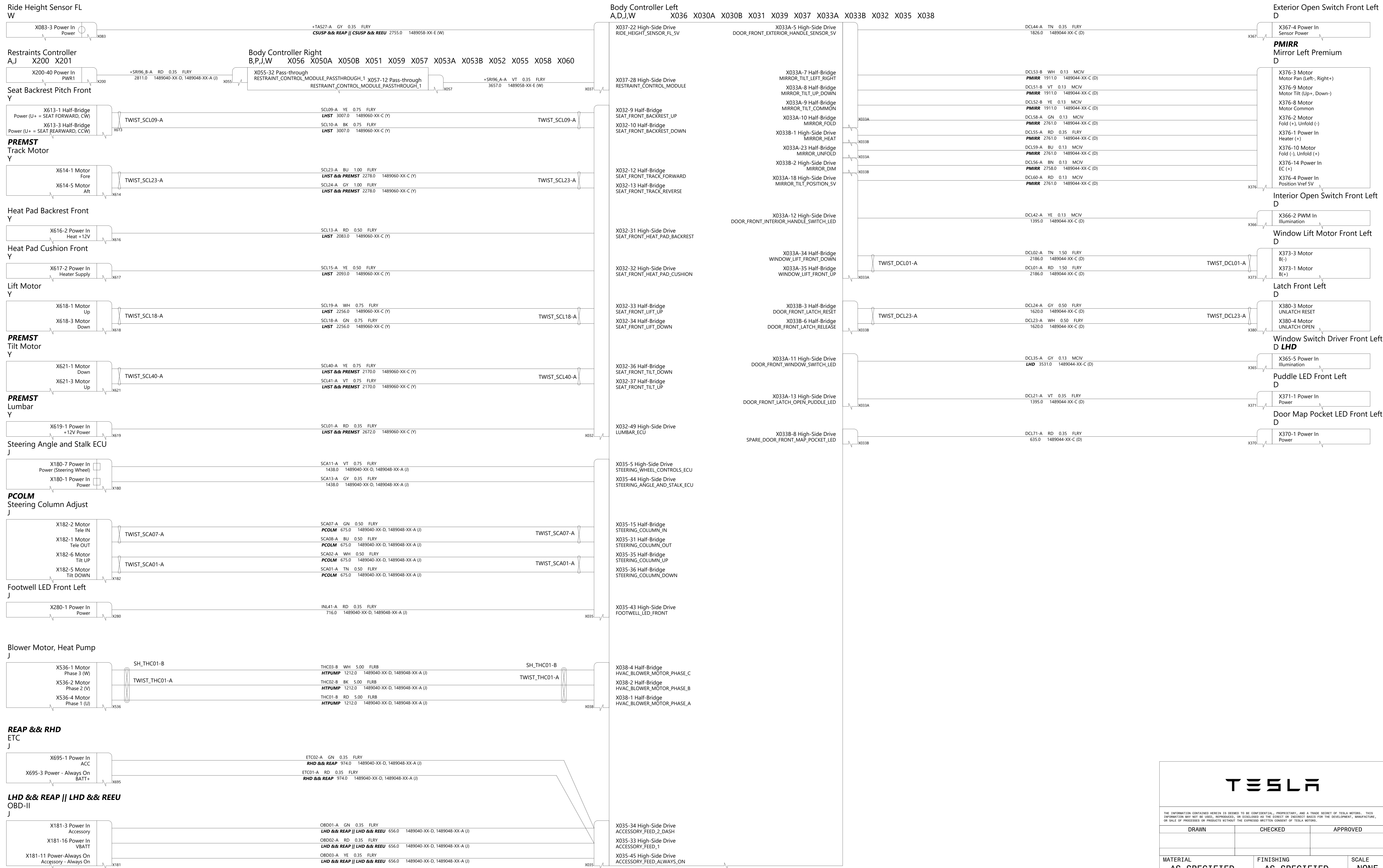
PART NAME
Power Distribution, E-Fuse VCFront 2/2

PART NUMBER	REV	SHEET	SIZE
	3	30 OF 50	A0



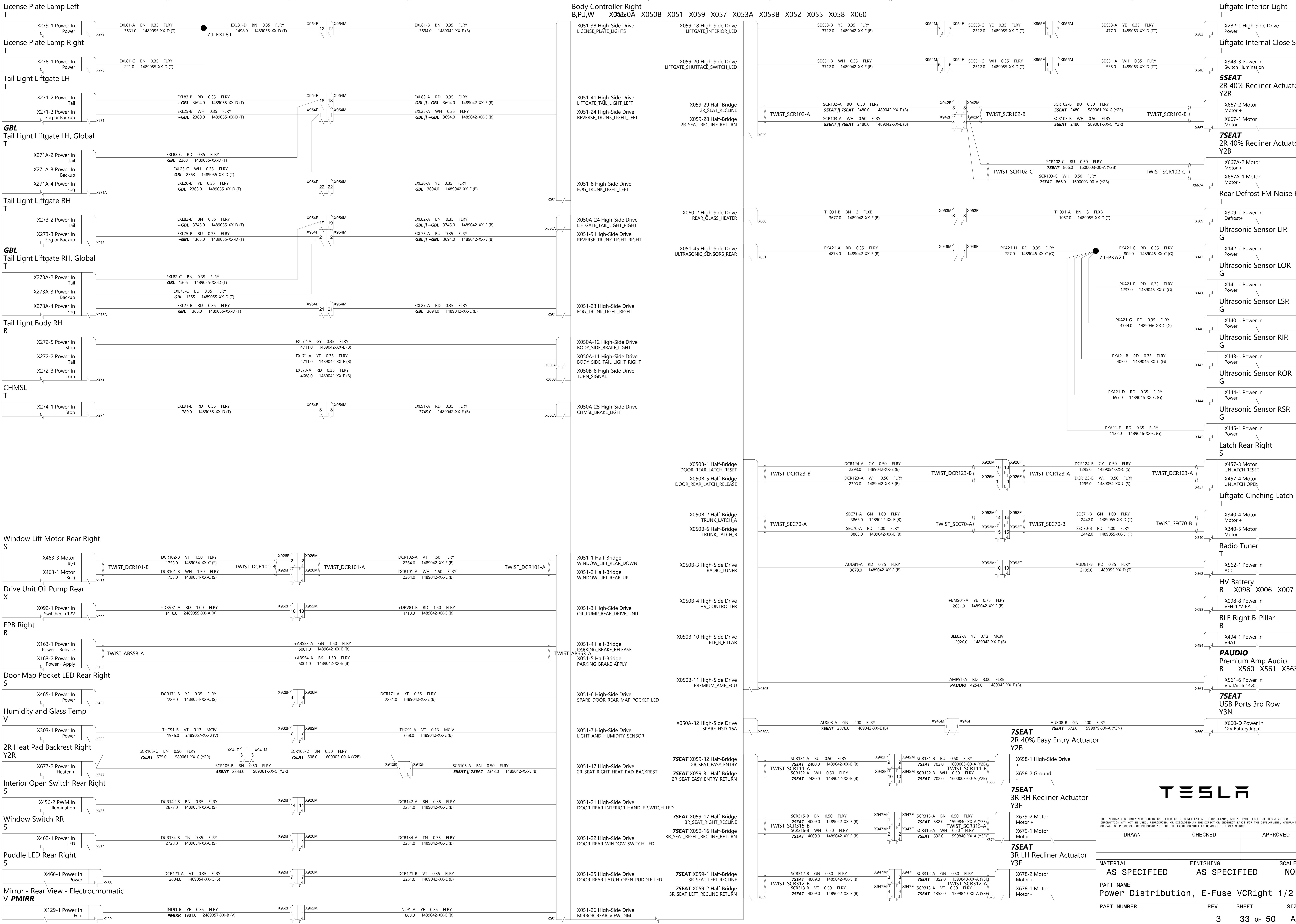
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, E-Fuse VLeft 1/2		
PART NUMBER	REV	SHEET
	3	31 OF 50
		SIZE A0

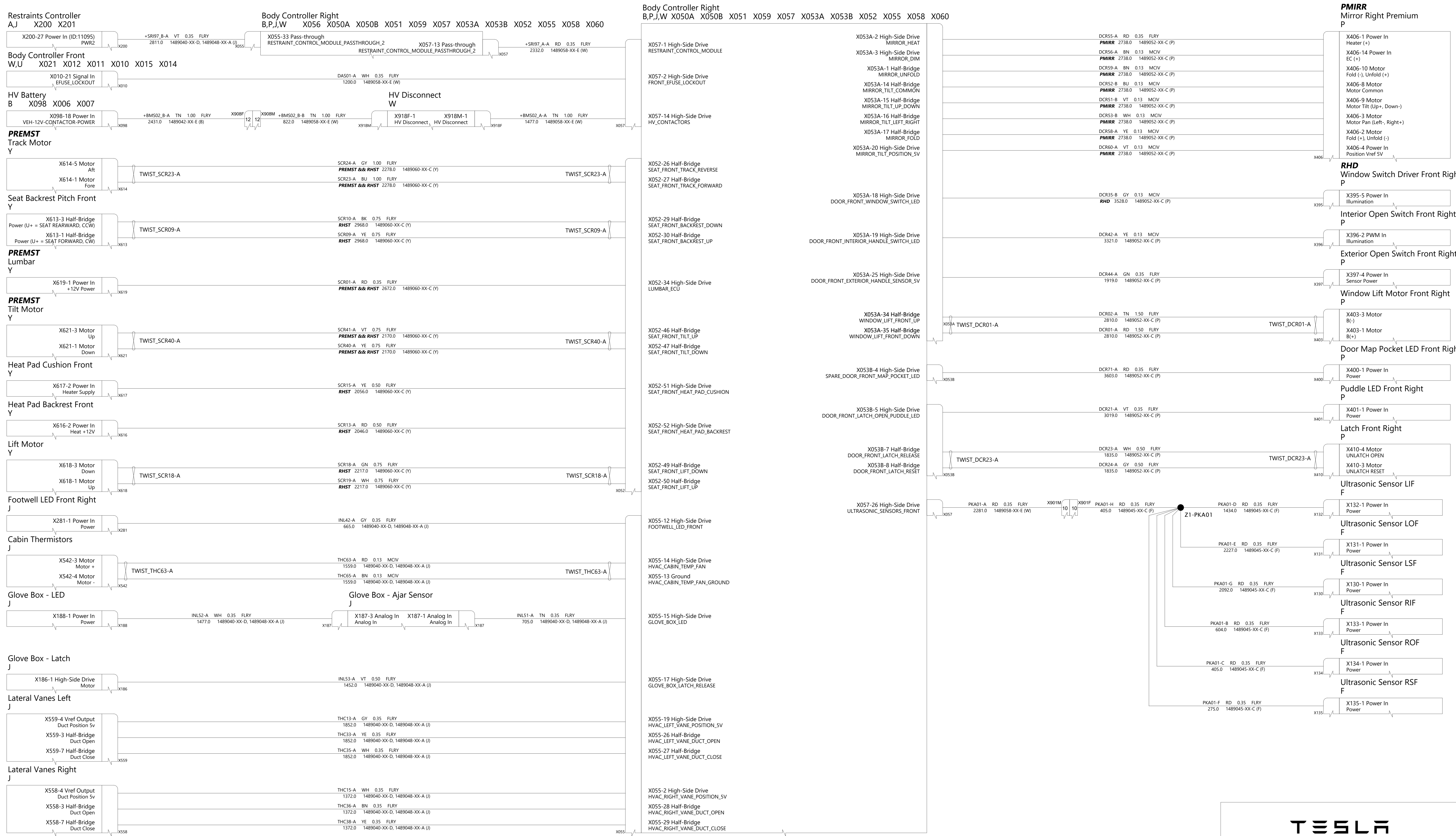


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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, E-Fuse VLeft 2/2		
PART NUMBER	REV	SHEET
	3	32 OF 50
		SIZE A0



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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE	
PART NAME Power Distribution, E-Fuse VCRight 1/2			
PART NUMBER	REV	SHEET	SIZE
	3	33 OF 50	A0



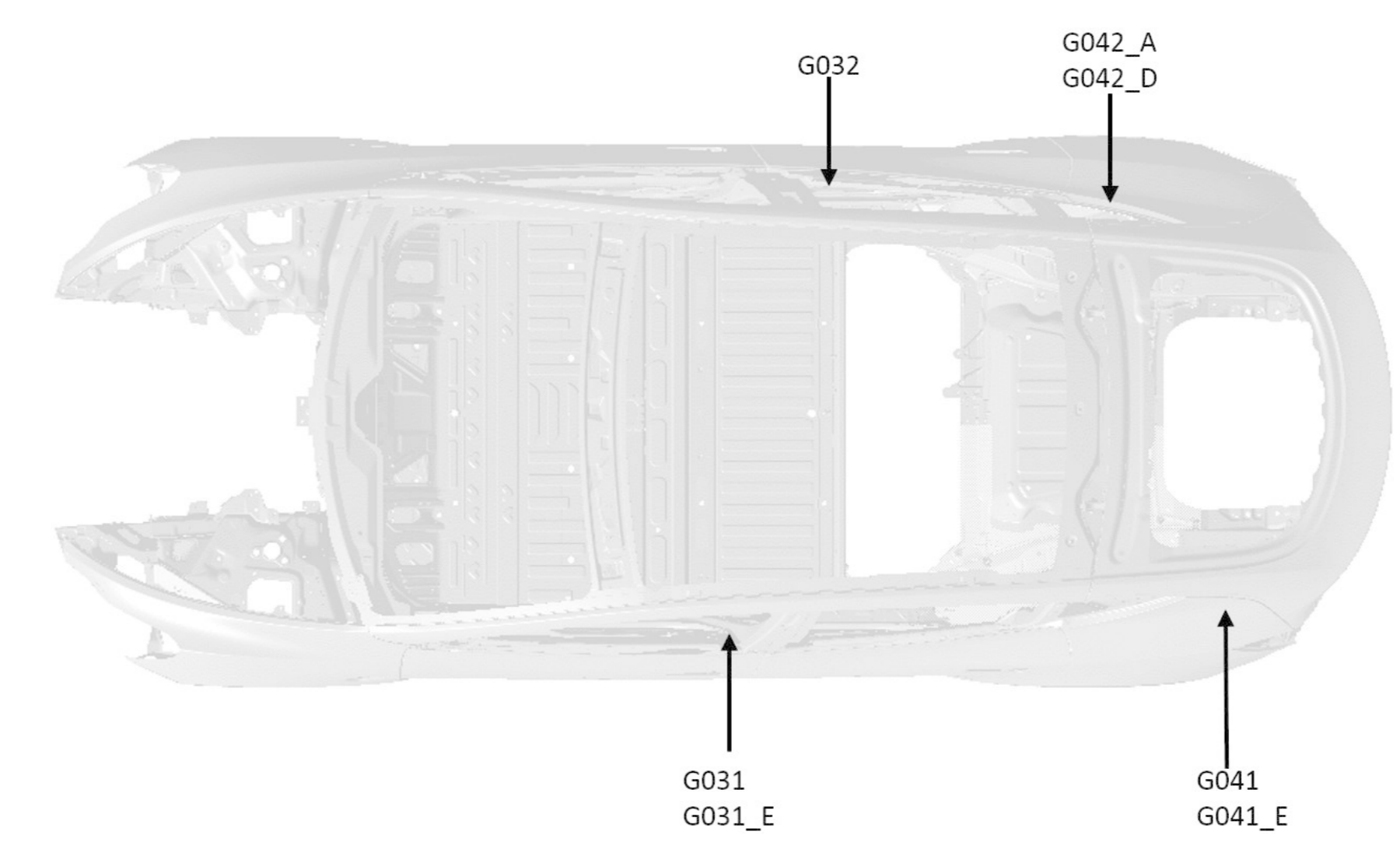
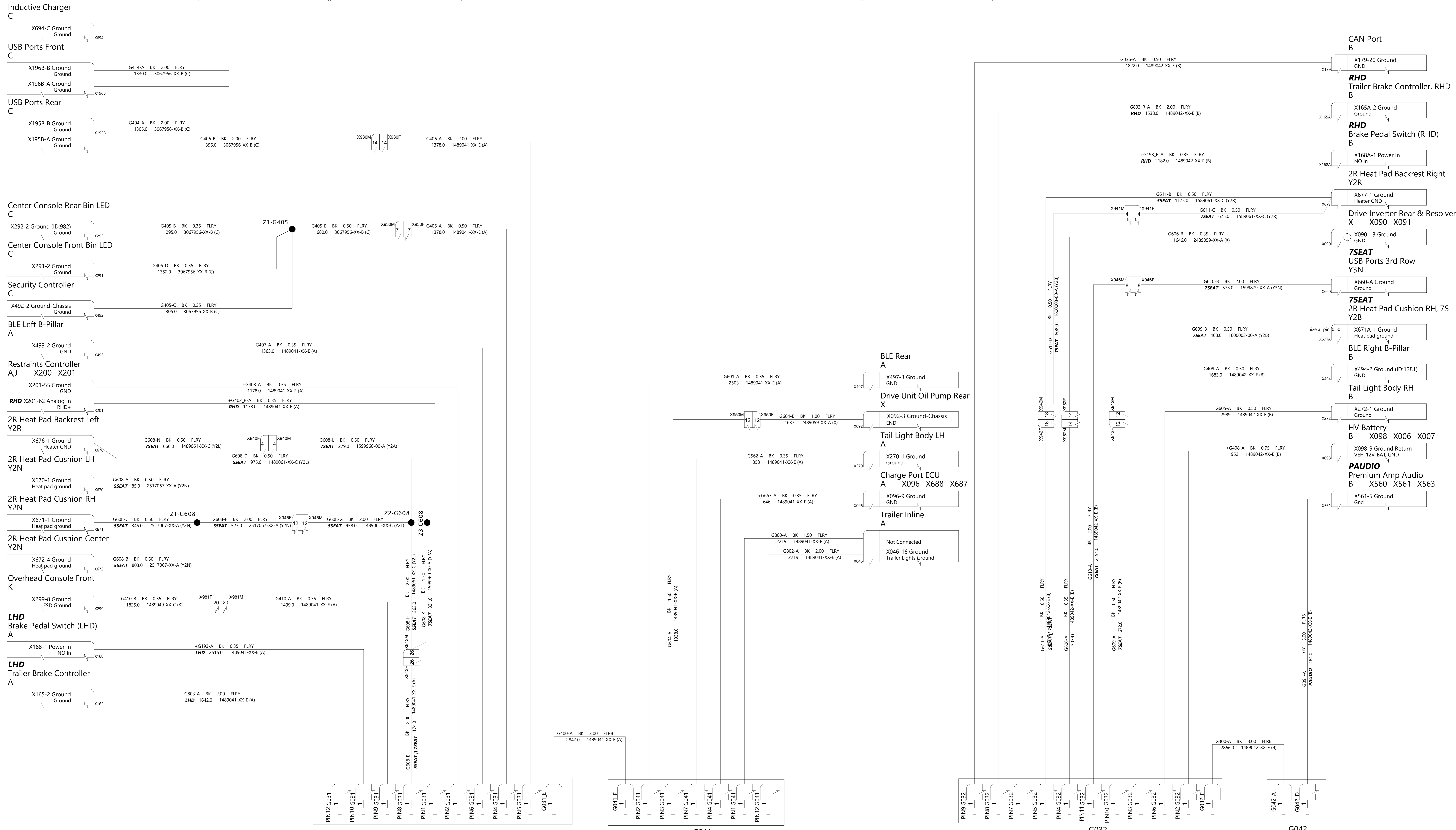
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DRAWN	CHECKED	APPROVED

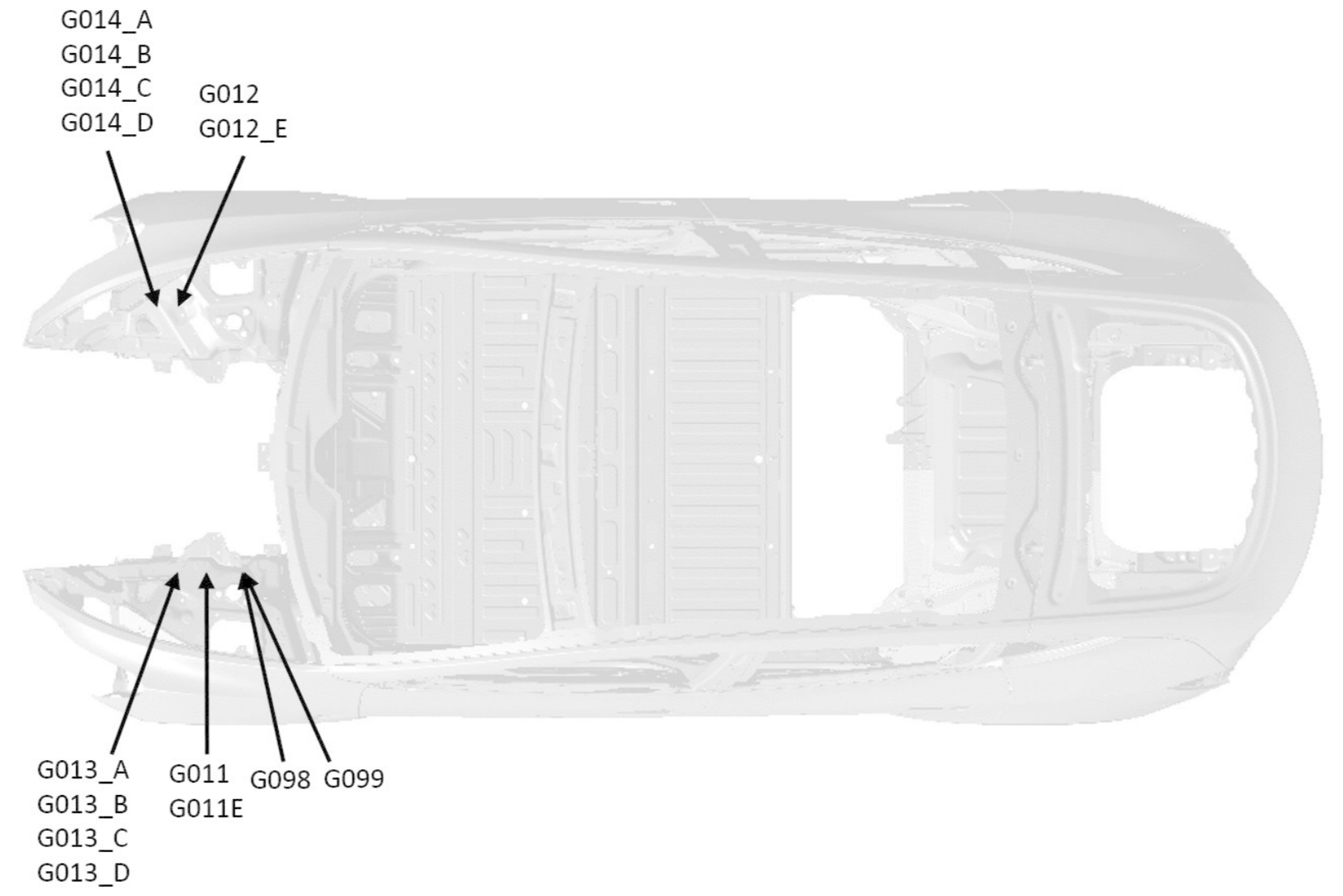
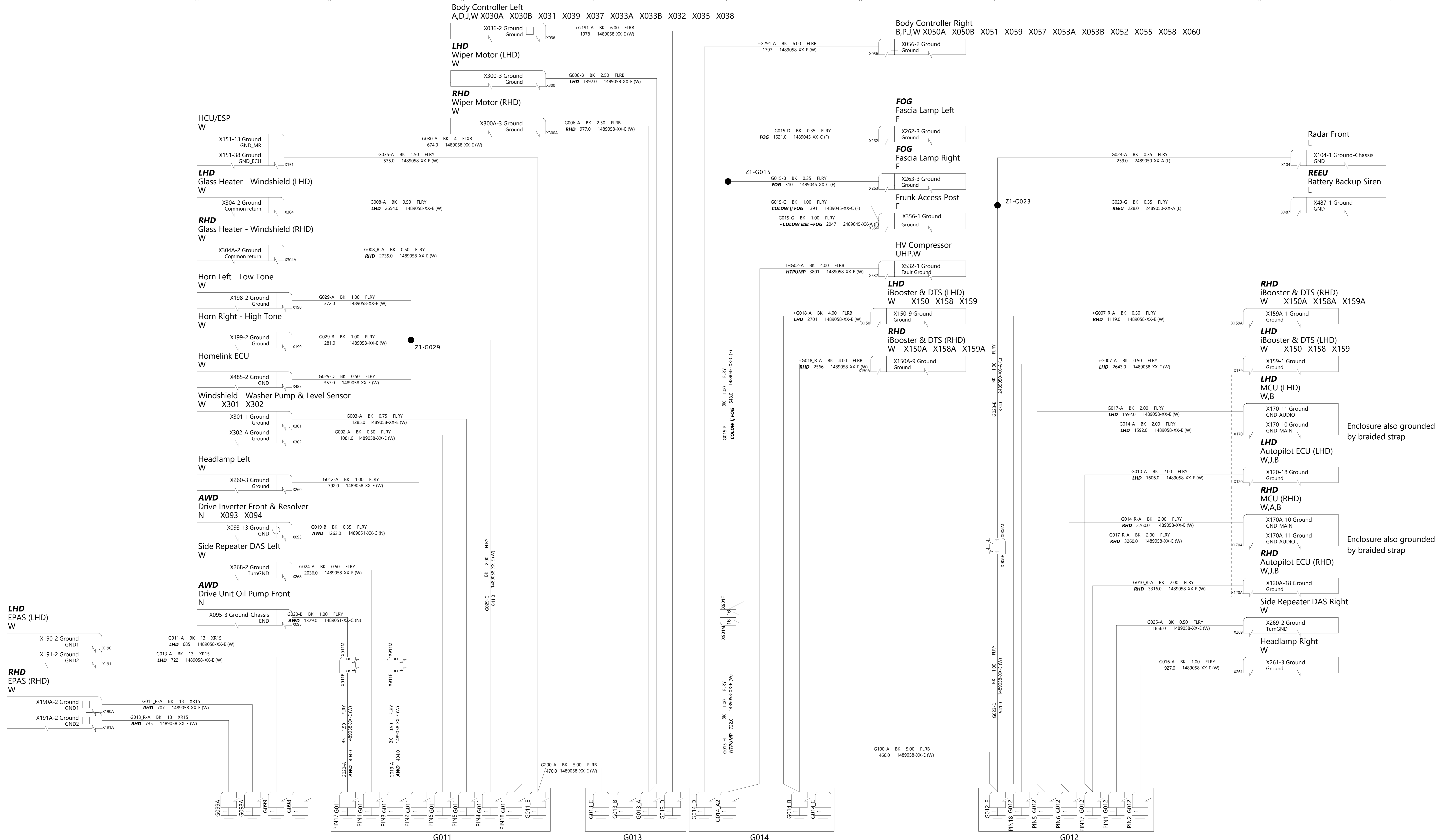
MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCRight 2/2

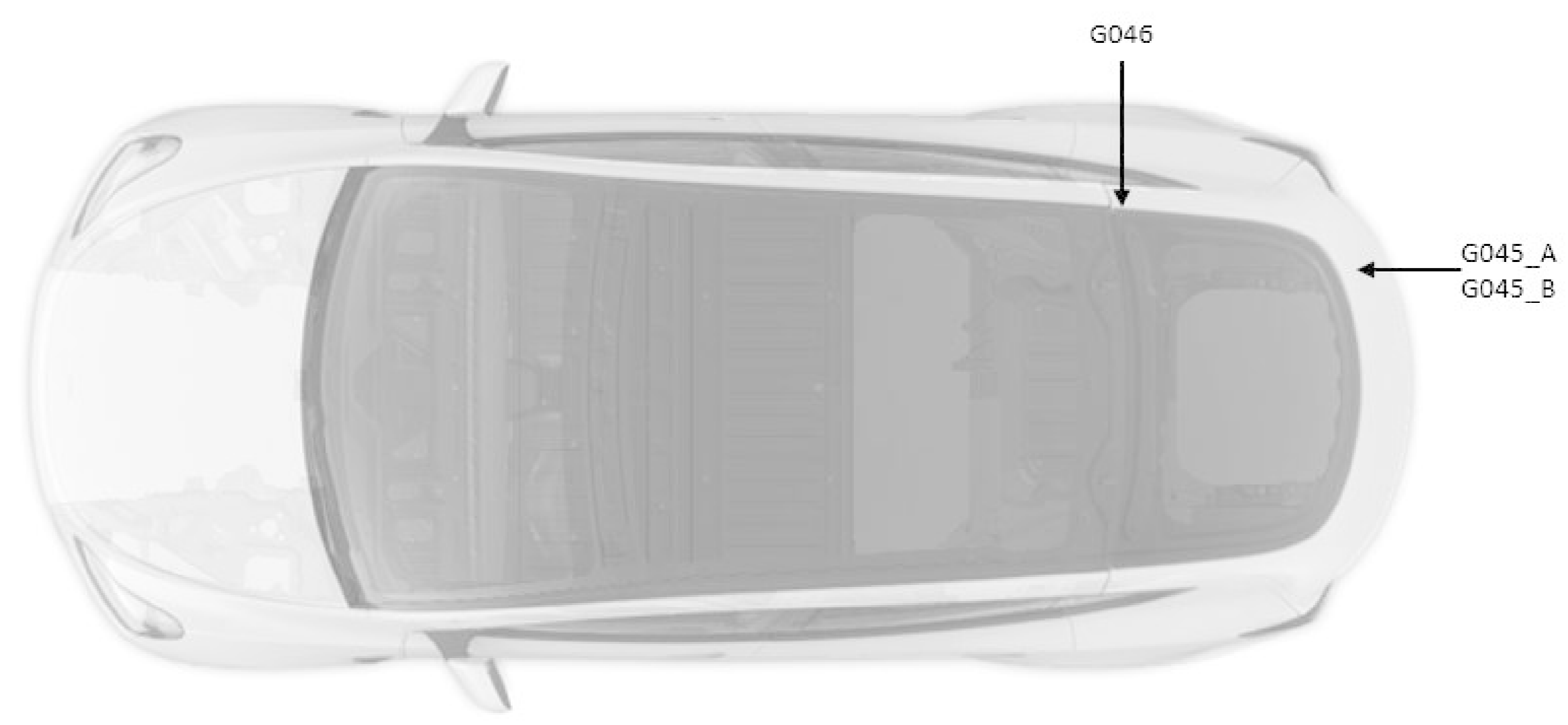
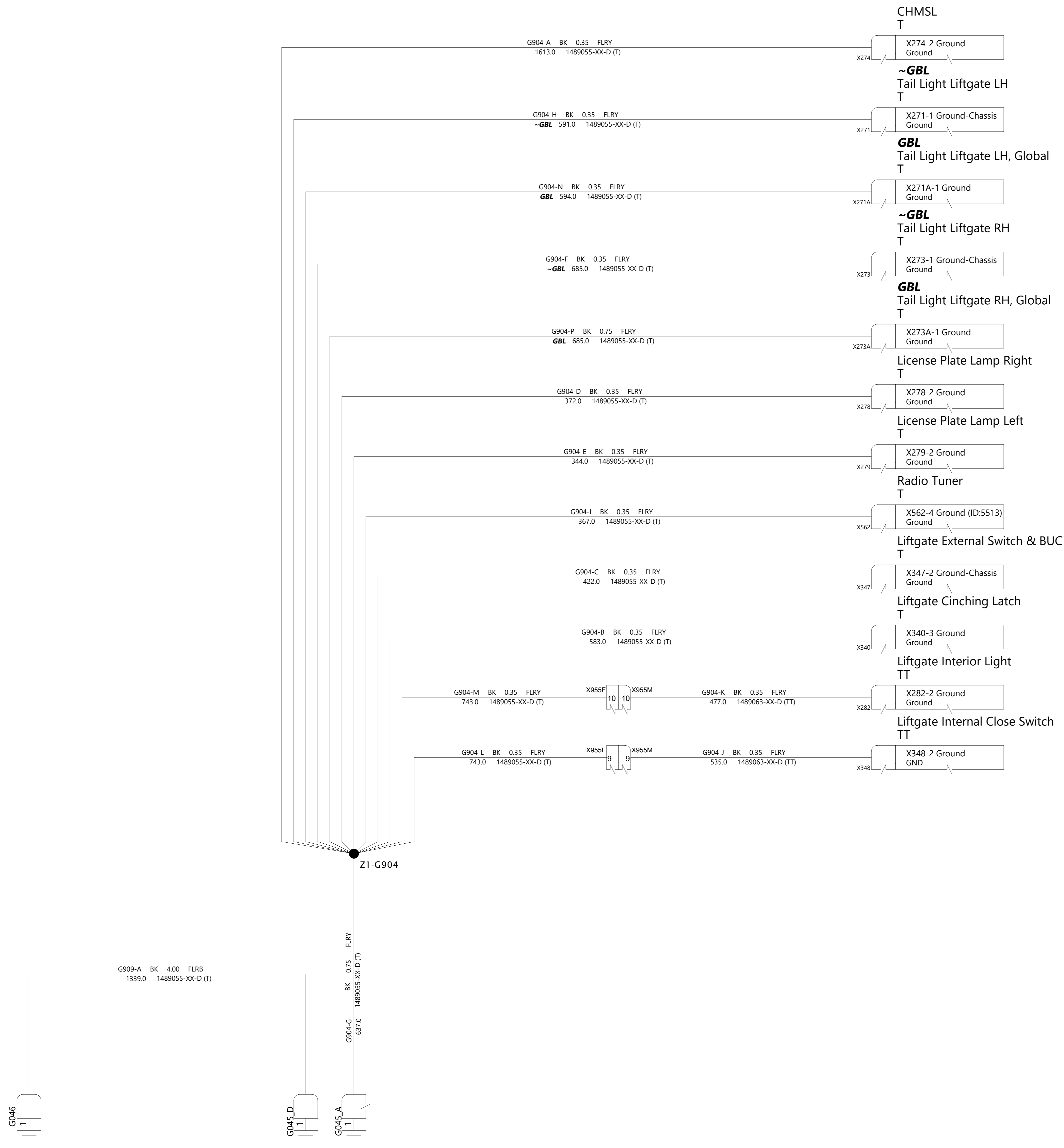
PART NUMBER	REV	SHEET	SIZE
	3	34 OF 49	A0



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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED		FINISHING AS SPECIFIED	SCALE NONE
PART NAME Power Distribution, Grounding Cabin			
PART NUMBER	REV	SHEET	SIZE
	3	35 OF 50	A0



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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
	3	36 OF 50	A0



TESLA

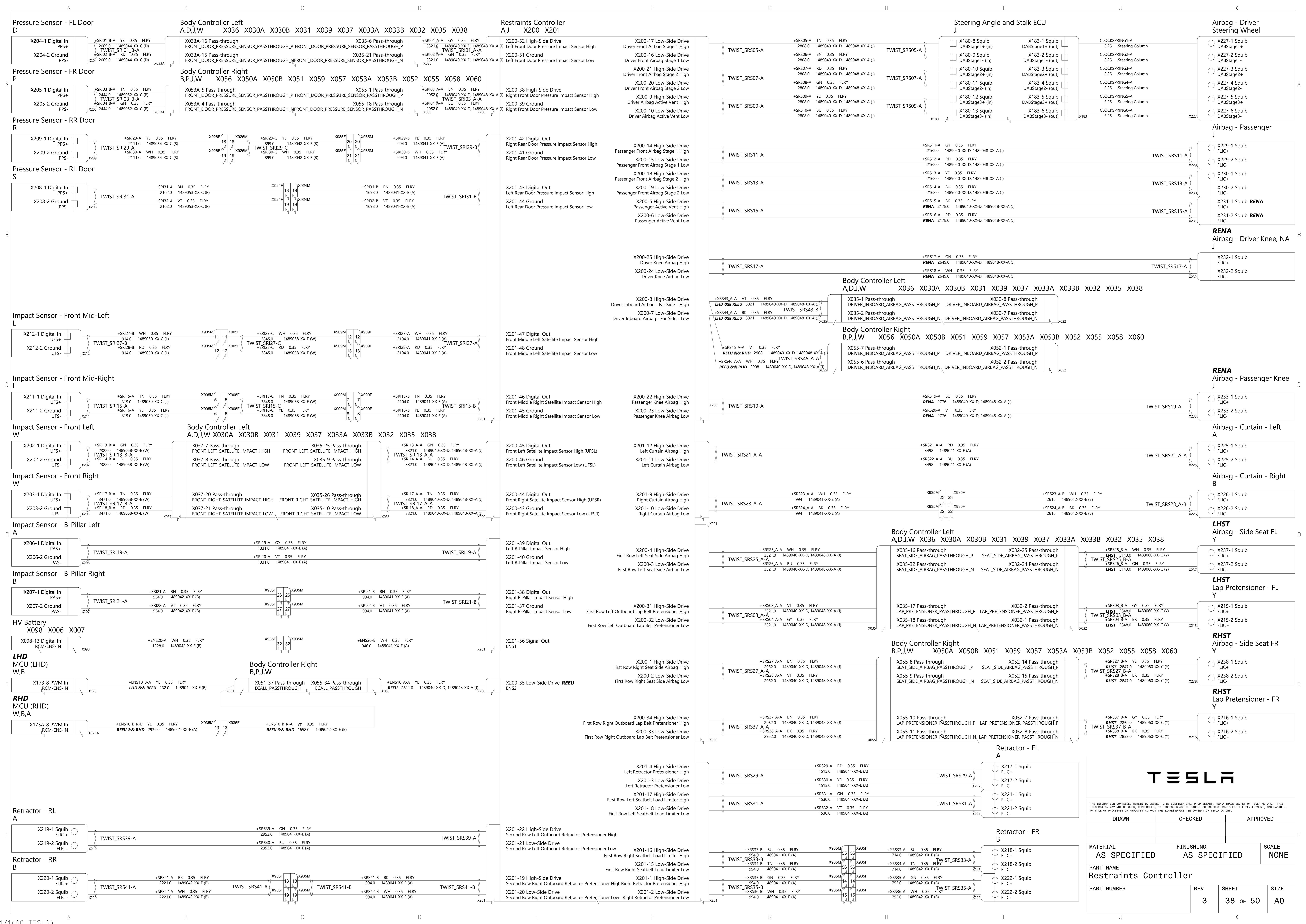
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DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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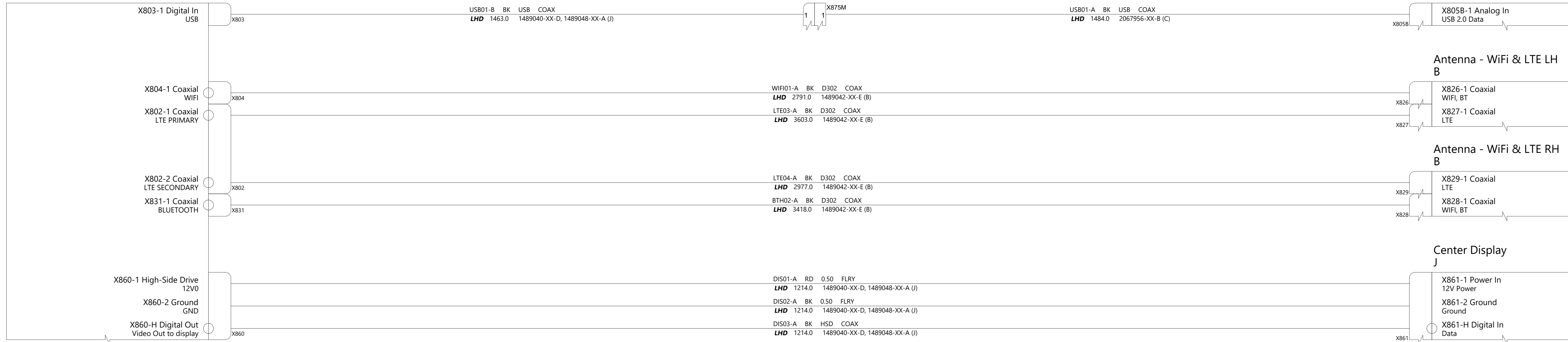
PART NAME
Power Distribution, Grounding Liftgate

PART NUMBER	REV	SHEET	SIZE
	3	38 OF 49	A0

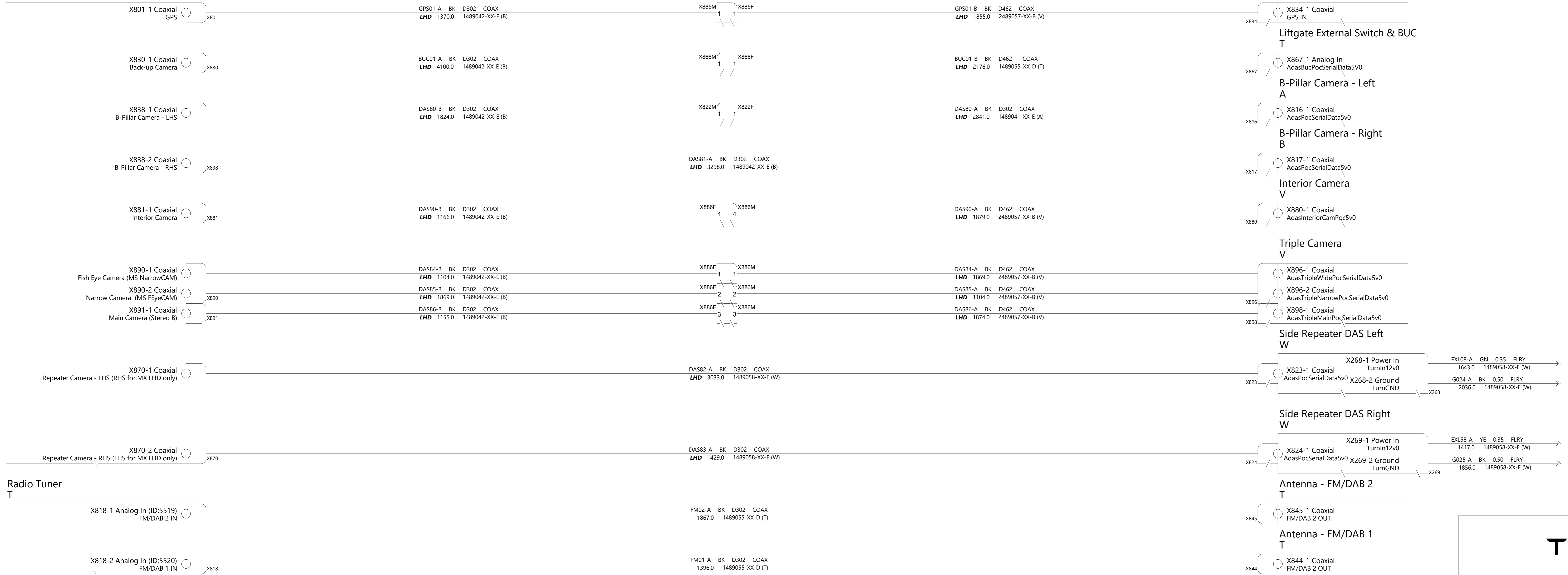


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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED		FINISHING AS SPECIFIED	
SCALE NONE			
PART NAME Restraints Controller			
PART NUMBER	REV	SHEET	SIZE
	3	38 OF 50	A0

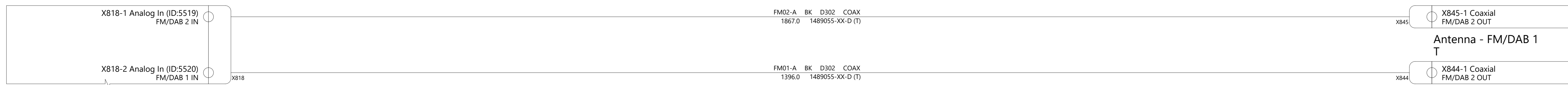
LHD
MCU (LHD)
W,B X171 X172 X860 X802 X803 X804 X831 X173 X863 X850



LHD
Autopilot ECU (LHD)
W,J,B X120 X890 X838 X870 X891 X851 X801 X881 X830 X121



Radio Tuner
T



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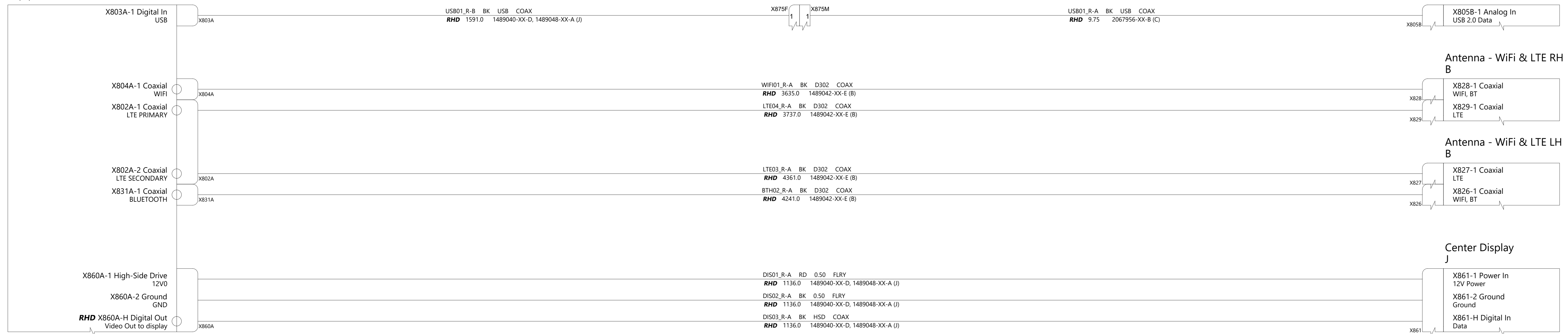
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

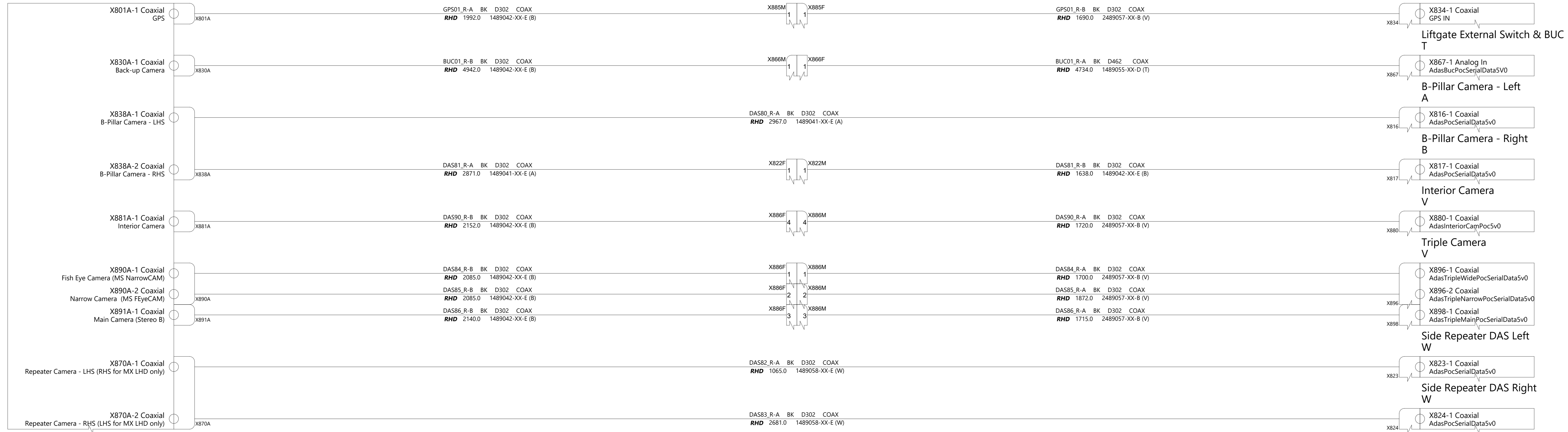
PART NAME
RF/Special Cables

PART NUMBER	REV	SHEET	SIZE
	3	39 OF 50	A0

RHD
MCU (RHD)
W,A,B



RHD
Autopilot ECU (RHD)
W,J,B



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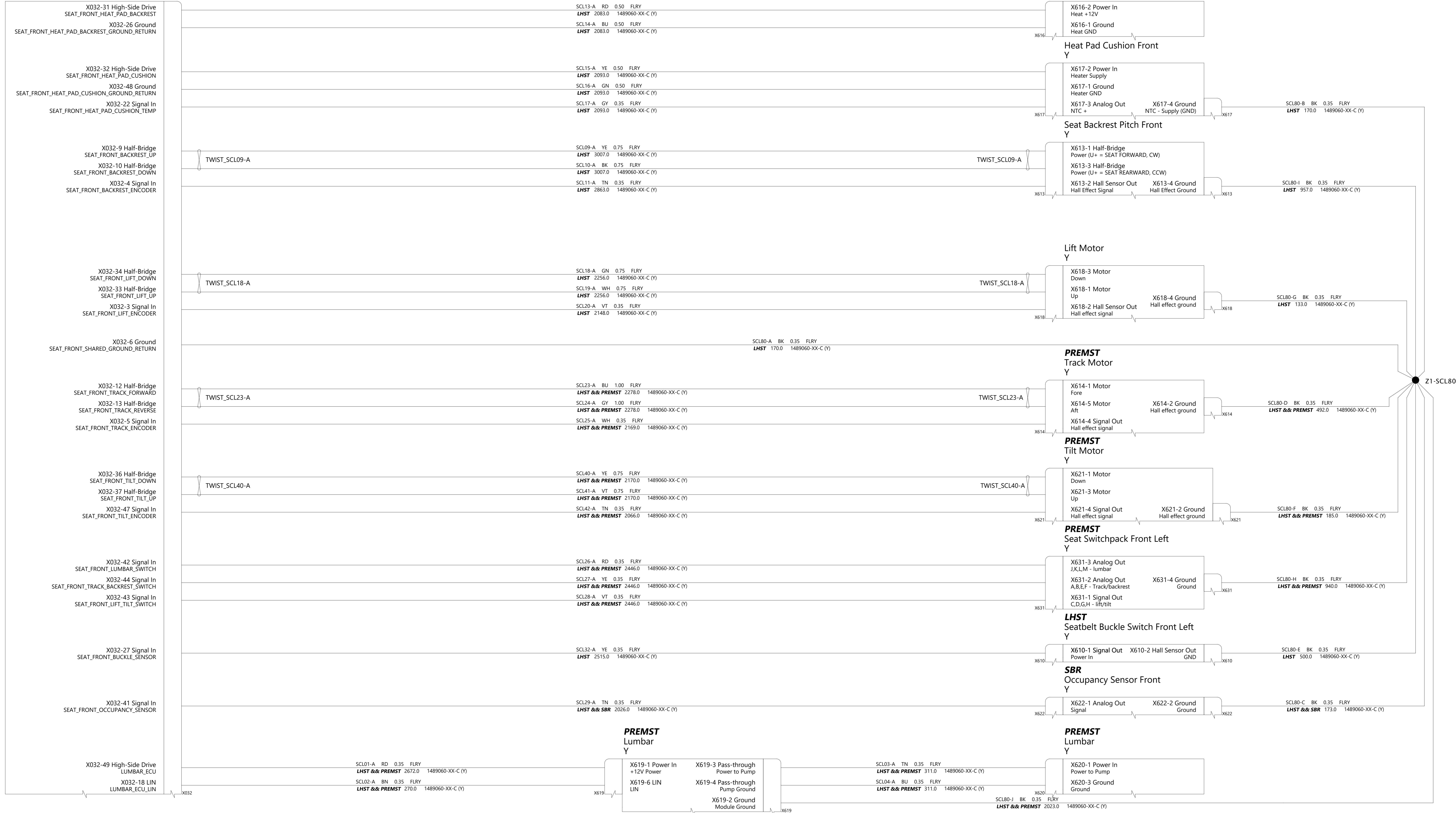
DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
--------------------------	---------------------------	---------------

PART NAME
RF/Special Cables, RHD

PART NUMBER	REV	SHEET	SIZE
	3	40 OF 50	A0

Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



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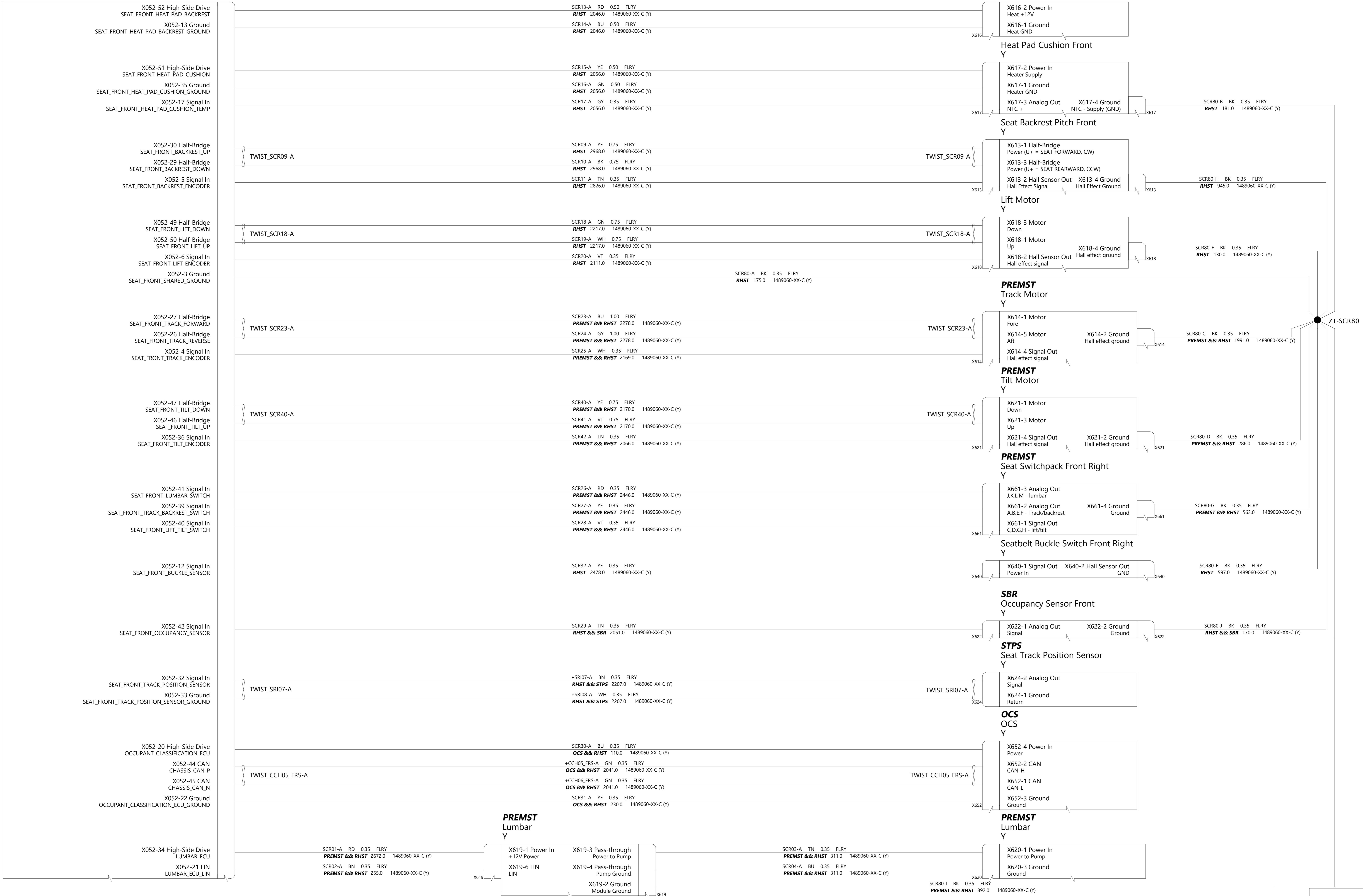
DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME Seats Front Left			
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PART NUMBER	REV	SHEET	SIZE
	3	41 OF 50	A0

Body Controller Right
 B,P,J,VK050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060

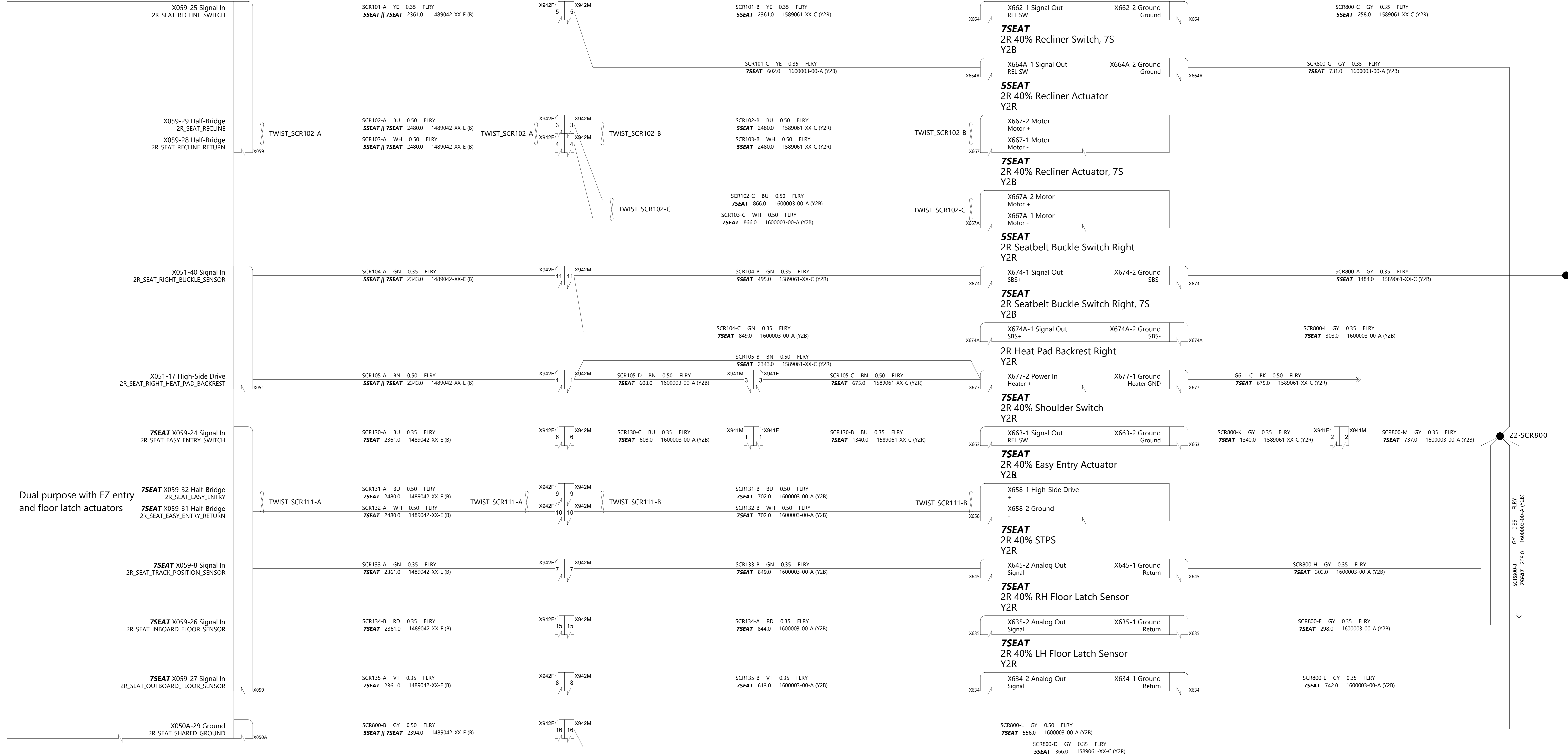


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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Seats Front Right		
PART NUMBER	REV 3	SHEET 42 of 50
		SIZE A0

Body Controller Right
B,P,J,W

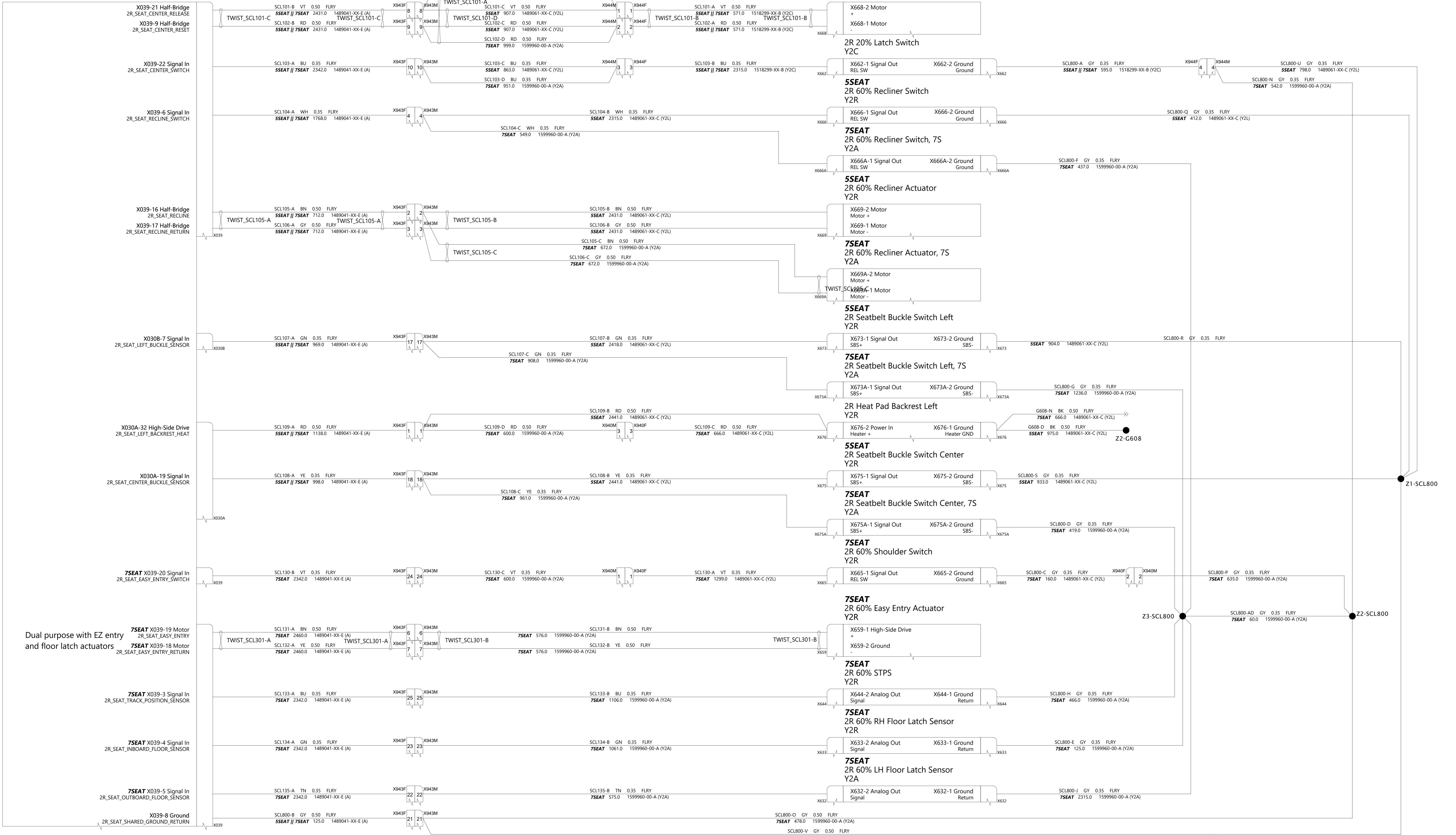
X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Seats Second Row 40%		
PART NUMBER	REV	SHEET
	3	43 of 50
		SIZE A0

Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



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DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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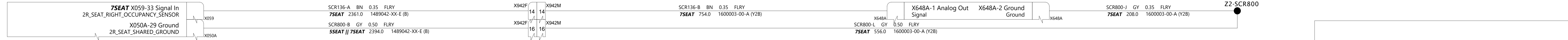
PART NAME
Seats Second Row 60%

PART NUMBER	REV	SHEET	SIZE
	3	44 of 50	A0

Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



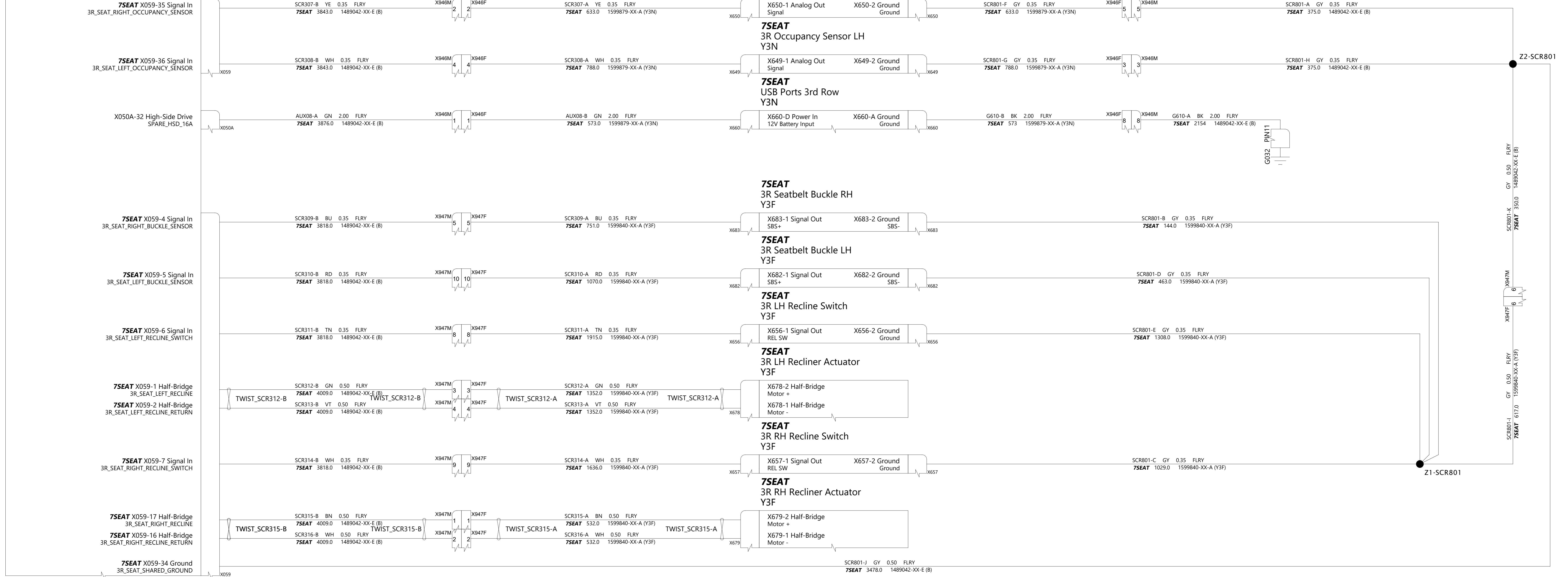
Body Controller Right
B,P,J,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Seats Second Row Cushion		
PART NUMBER	REV	SHEET
	3	45 OF 50
		SIZE A0

Body Controller Right
B,P,I,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



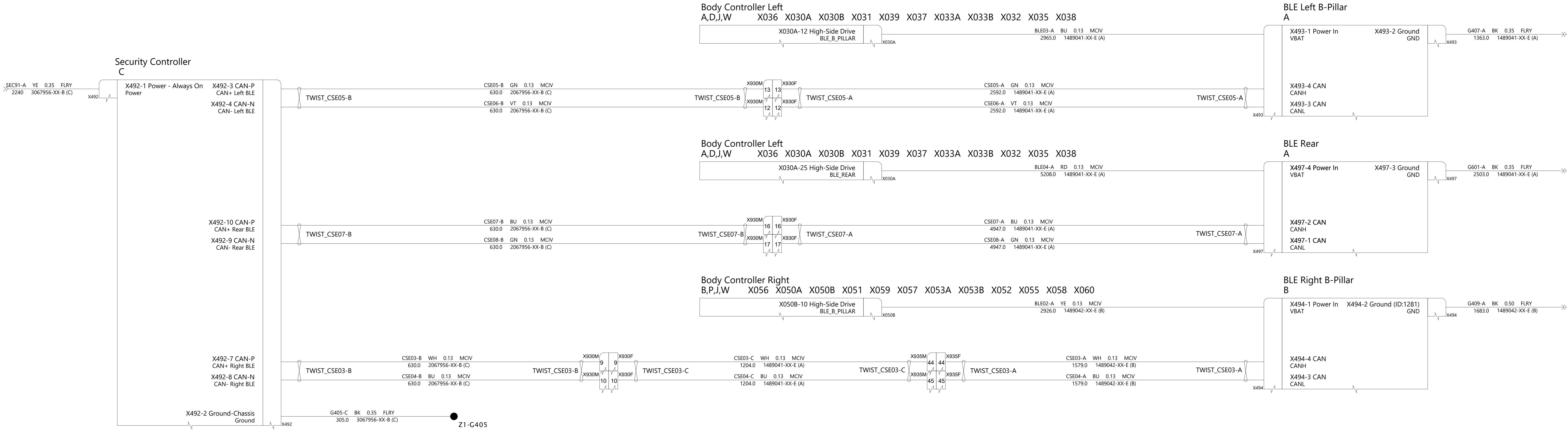
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DRAWN	CHECKED	APPROVED
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Seats Third Row

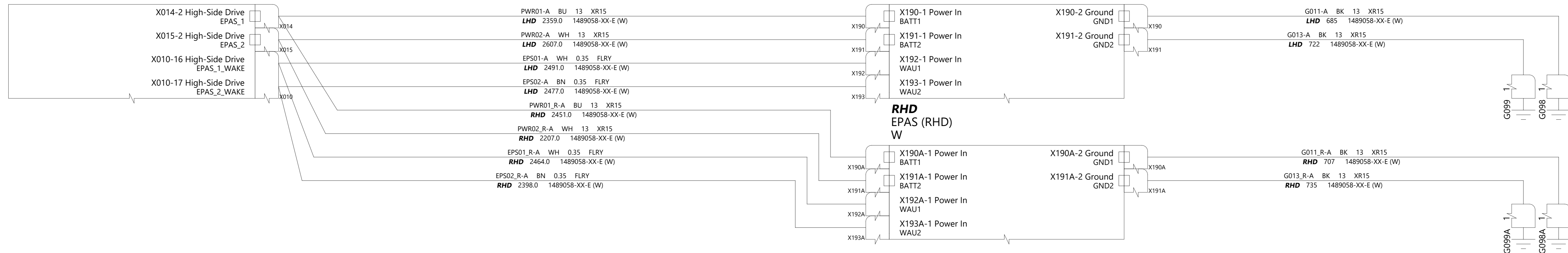
PART NUMBER	REV	SHEET	SIZE
	3	46 of 50	A0



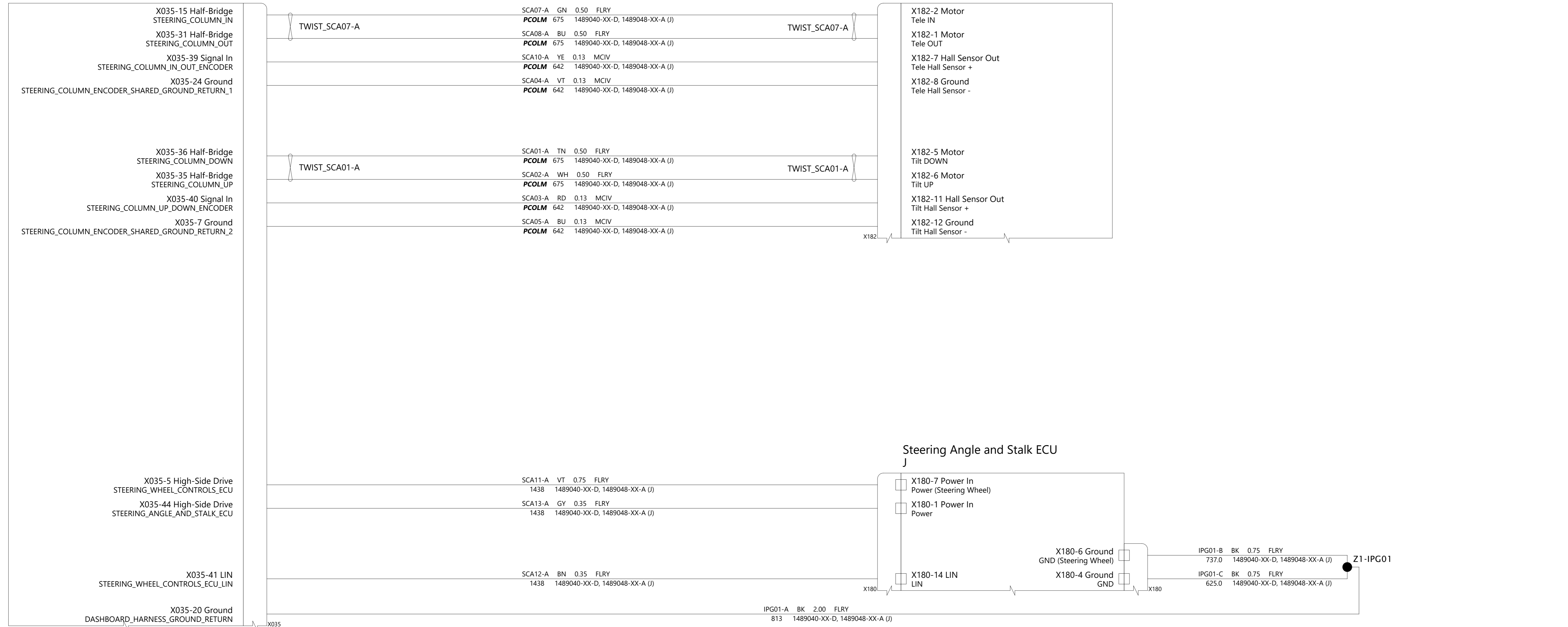
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Security Controls		
PART NUMBER	REV 3	SHEET 47 OF 50
		SIZE A0

Body Controller Front
W,U X012 X011 X010 X015 X014



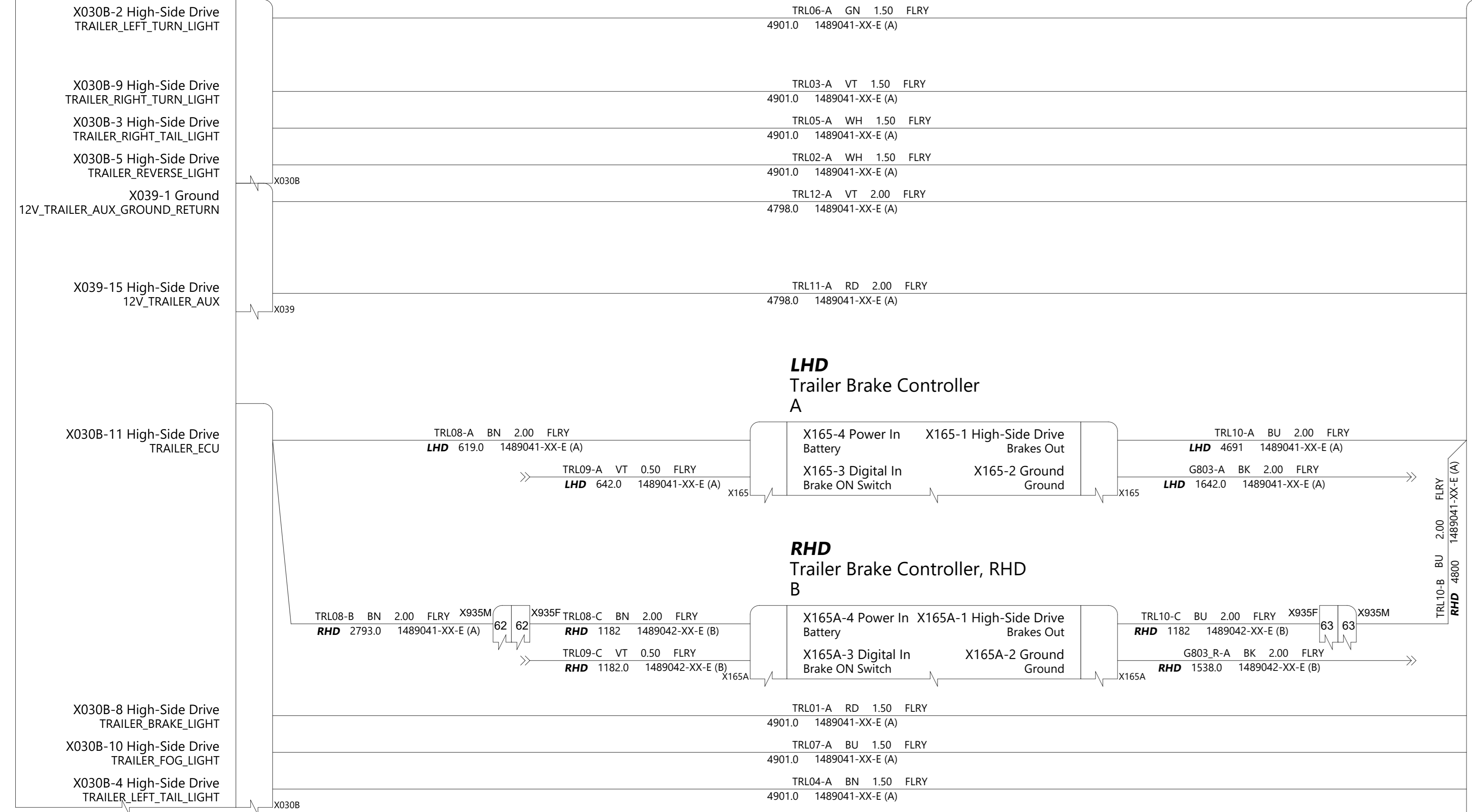
Body Controller Left
A,D,J,W X030 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Steering		
PART NUMBER	REV 3	SHEET 48 of 50
		SIZE A0

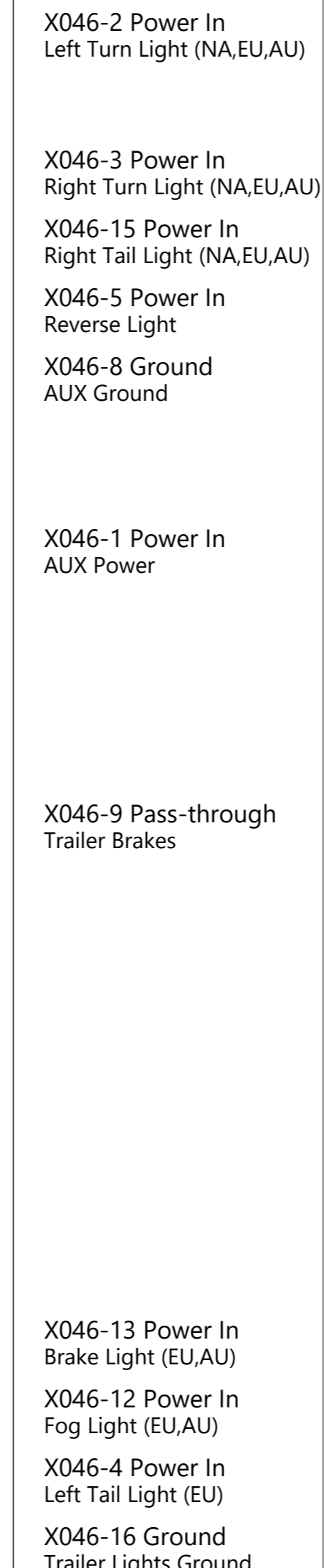
Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



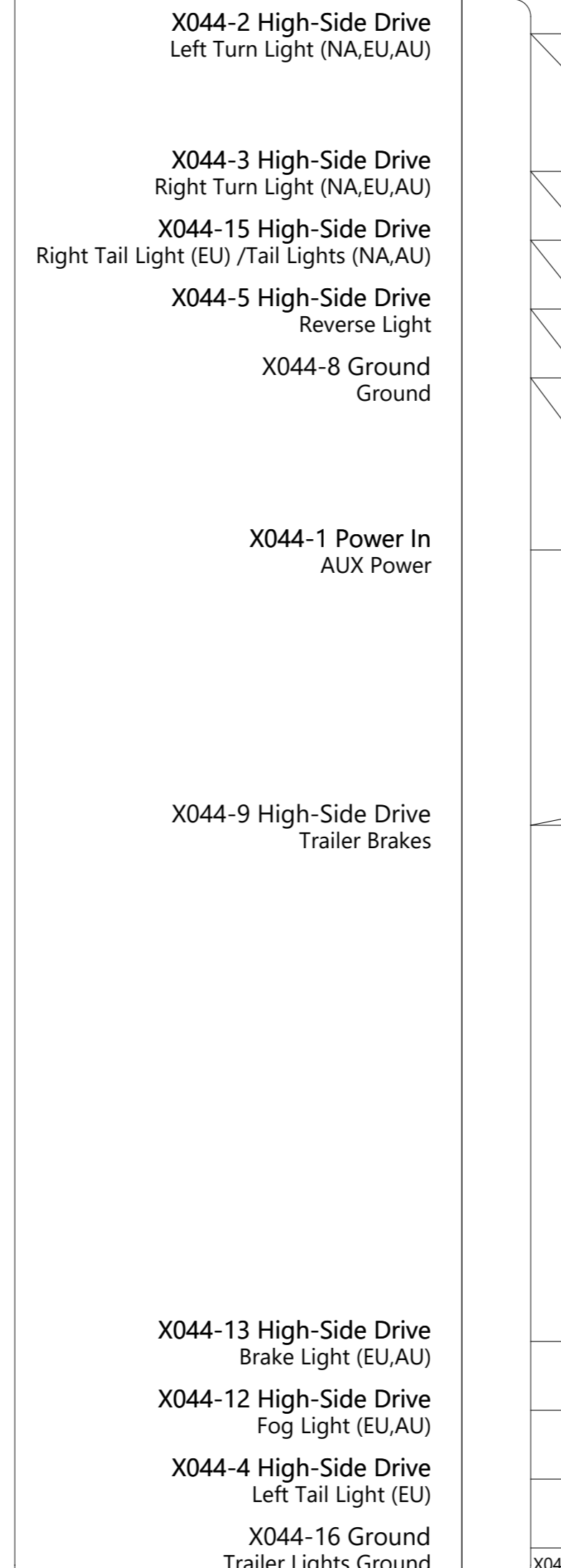
LHD
Trailer Brake Controller
A

RHD
Trailer Brake Controller, RHD
B

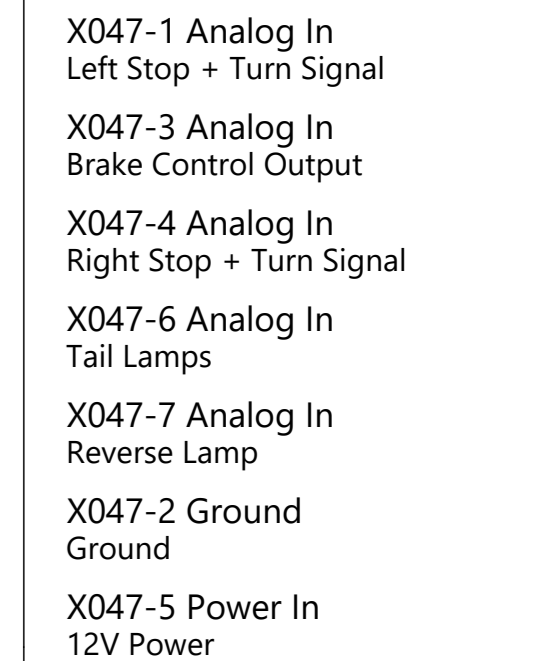
Trailer Inline
A



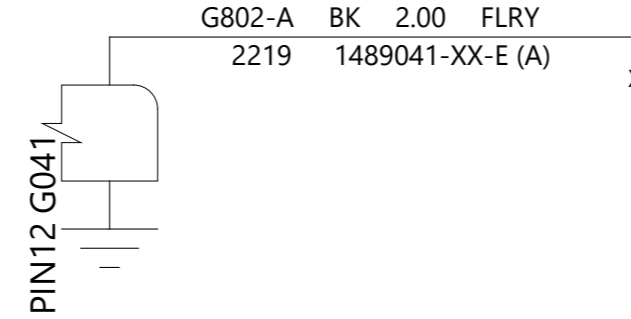
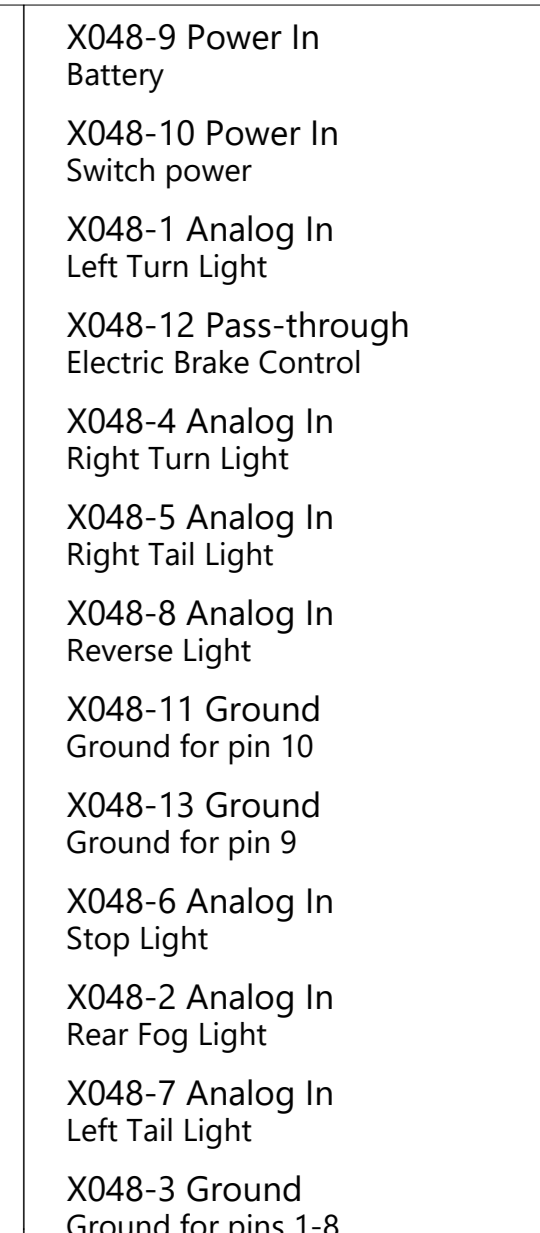
Trailer Inline to Vehicle
Z



RENA
Trailer Socket, NA
Z



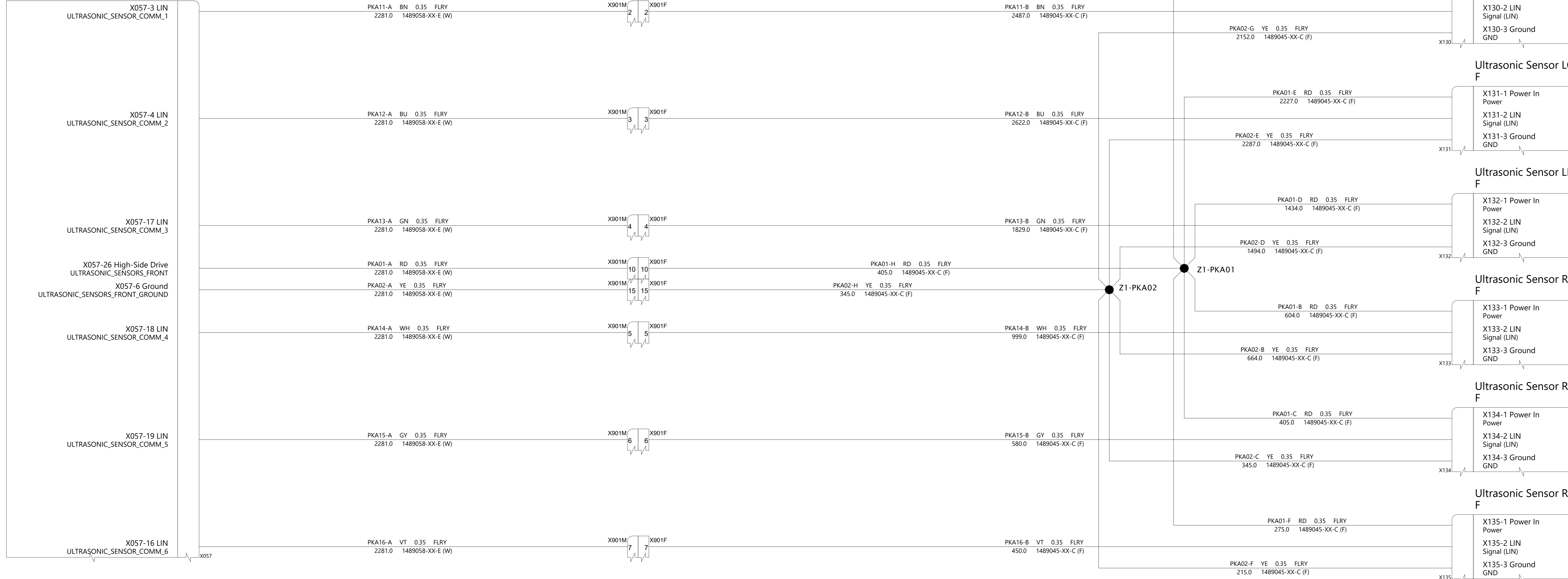
REEU
Trailer Socket, EU
Z



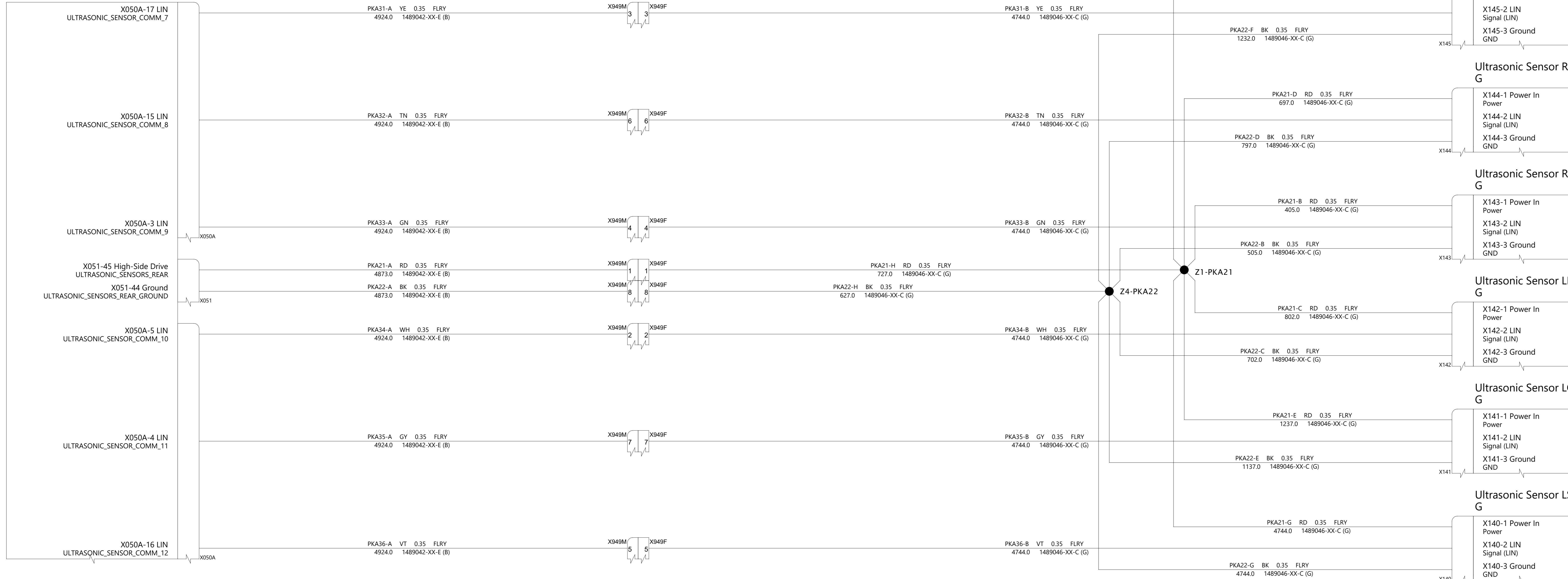
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Tow Jumper		
PART NUMBER	REV 3	SHEET 49 OF 50
		SIZE A0

Body Controller Right
B,P,J,W X056 X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



Body Controller Right
B,P,J,W X056 X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



TESLA

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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Ultrasonics		
PART NUMBER	REV 3	SHEET 49 OF 49
		SIZE A0