

Page	Description
1	Table of Contents
2	Vehicle Controller Layout
3	Audio
4	Audio, Premium Amp
5	Body Controller Front High Current
6	Body Controller Front Main 1/2
7	Body Controller Front Main 2/2
8	Body Controller Left Body 1/2
9	Body Controller Left Body 2/2
10	Body Controller Right Body 1/2
11	Body Controller Right Body 2/2
12	Body Controller Dashboard
13	Brake Controls
14	CAN Chassis
15	CAN Party
16	CAN Vehicle
17	Charge Port Inlet
18	Door Front Left
19	Door Front Right
20	Door Rear
21	Drive Inverters
22	Driver Assistance
23	HV Battery & HVIL
24	HV Penthouse
25	HVAC Case
26	HVAC Thermal Bar
27	Power Distribution, E-Fuse VCFront 1/2
28	Power Distribution, E-Fuse VCFront 2/2
29	Power Distribution, E-Fuse VCLeft 1/2
30	Power Distribution, E-Fuse VCLeft 2/2
31	Power Distribution, E-Fuse VCRight 1/2
32	Power Distribution, E-Fuse VCRight 2/2
33	Power Distribution, Grounding Cabin
34	Power Distribution, Grounding Frunk
35	Power Distribution, Grounding Liftgate
36	Restraint Controller
37	RF/Special Cables
38	Seats Front Left
39	Seats Front Right
40	Seats Second Row
41	Security Controls
42	Steering
43	Tow Jumper
44	Ultrasonics

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
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
PREMST	Premium Seat
SBR	Seat Belt Reminder Switch
OCS	Occupant Classification System
STPS	Seat Track Position Sensor

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

A	LH BODY	T	LIFT GATE
B	RH BODY	TT	LIFT GATE TRIM
C	CENTER CONSOLE	U	THERMAL
D	LH FR DOOR	UHP	THERMAL, HEAT PUMP
F	FR FASCIA	V	GLASS
G	RR FASCIA	W	FRUNK
H	HV PENTHOUSE	X	REAR SUBFRAME
J	IP	Y	FRONT SEATS
K	HEADLINER	YYL	SECOND ROW SEAT, LEFT BACKREST
L	FRONT END MODULE	YYC	SECOND ROW SEAT, CENTER
N	FRONT SUBFRAME	YYN	SECOND ROW SEAT, CUSHION
P	RH FR DOOR	YYR	SECOND ROW SEAT, RIGHT BACKREST
R	LH RR DOOR	Z	MISC. CABLES
S	RH RR DOOR		

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

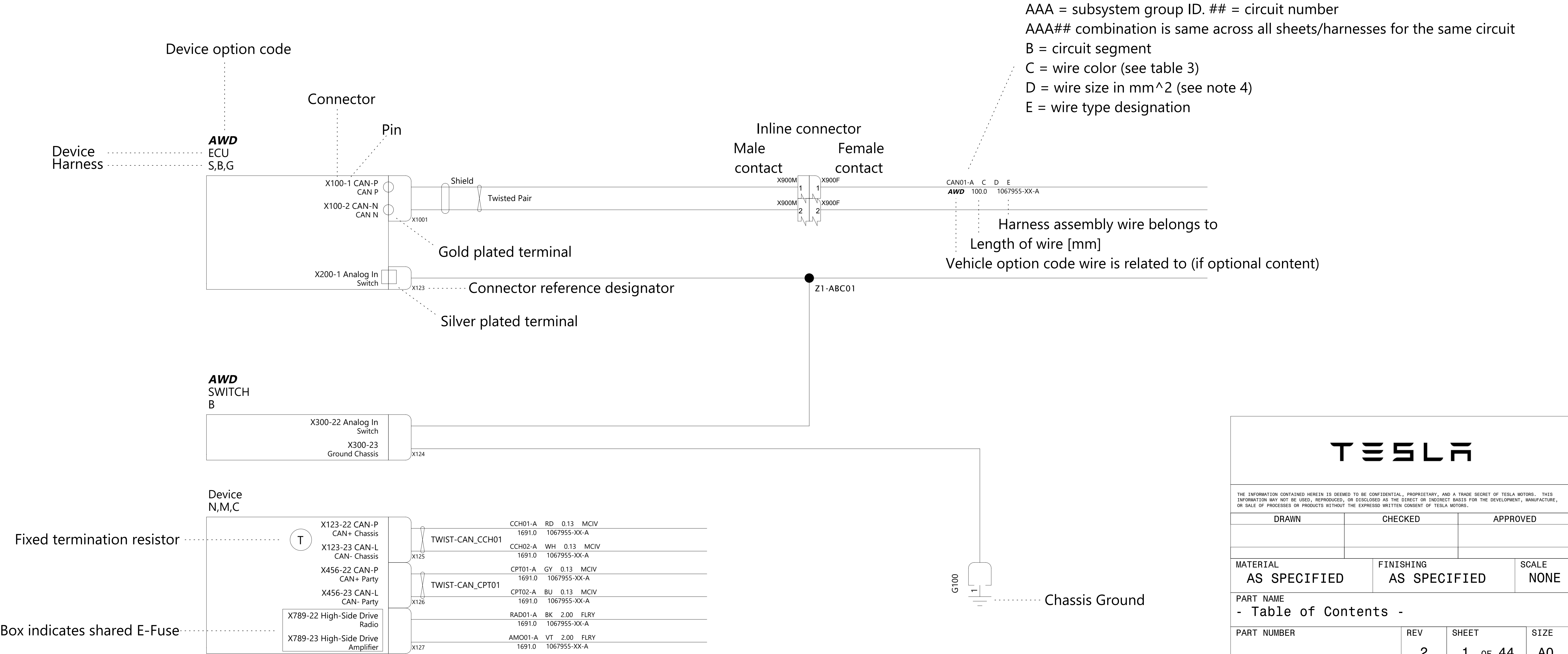
FLRY	Thin wall 105C rated, regular stranded PVC insulated [FLRY-A]
FLRB	Thin wall 105C rated, bunched conductor PVC insulated [FLRY-B]
MCIV	Thin wall 105C rated, compressed conductor PVC (halogen free) insulated
XR15	Thin wall 150C rated, cross-linked polyolefin, high flexible
FLXB	Thin wall 125C rated,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

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 mm^2 cross-sectional area (CSA) per SAE 1127/8
- 5) 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.
- 6) Unless otherwise specified at the device pins, terminal plating is to be Tin or Pre-Tin
- TERMINAL PLATING

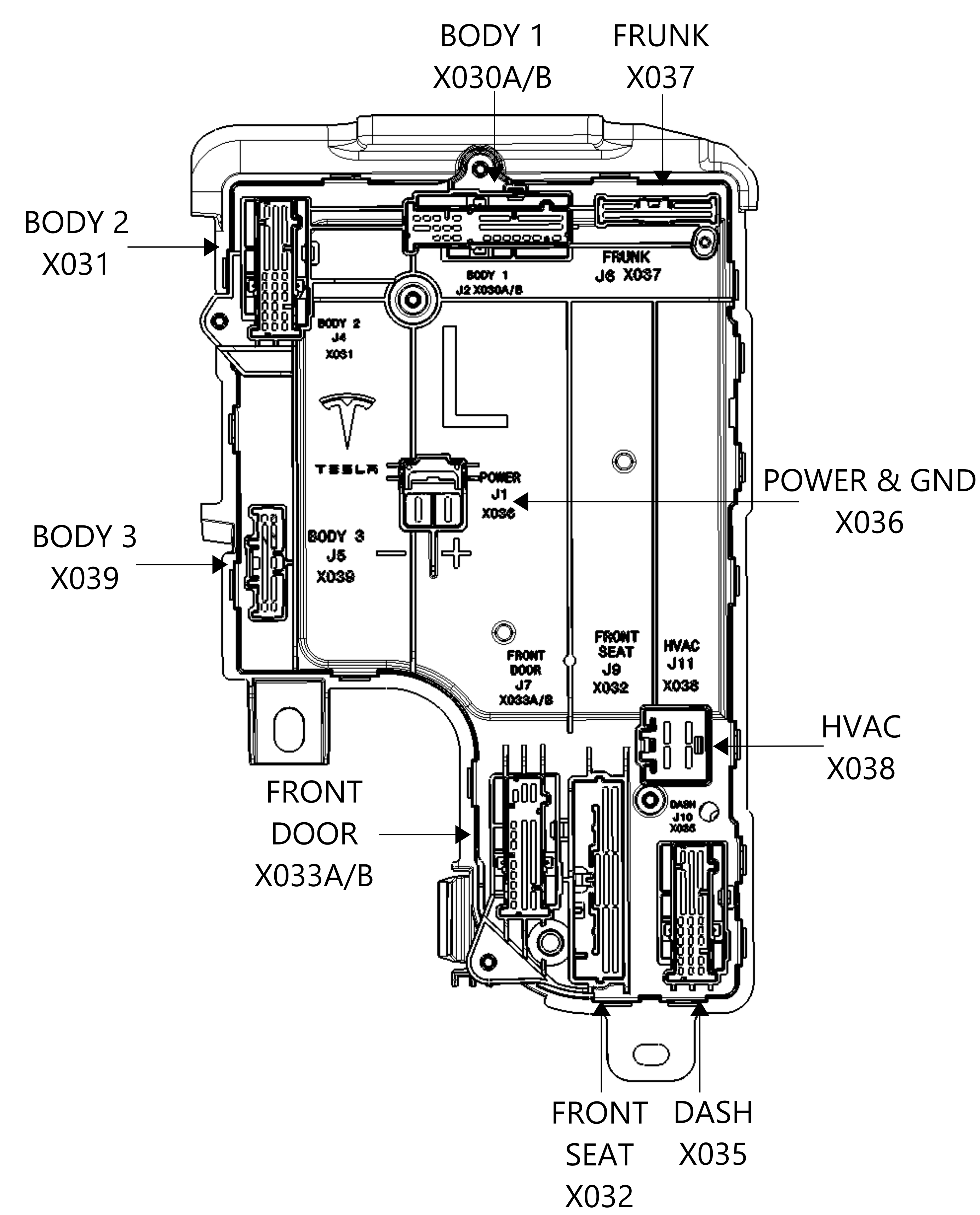
☐ GOLD TERMINAL NECESSARY

☐ SILVER PLATING NECESSARY
- 7) 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

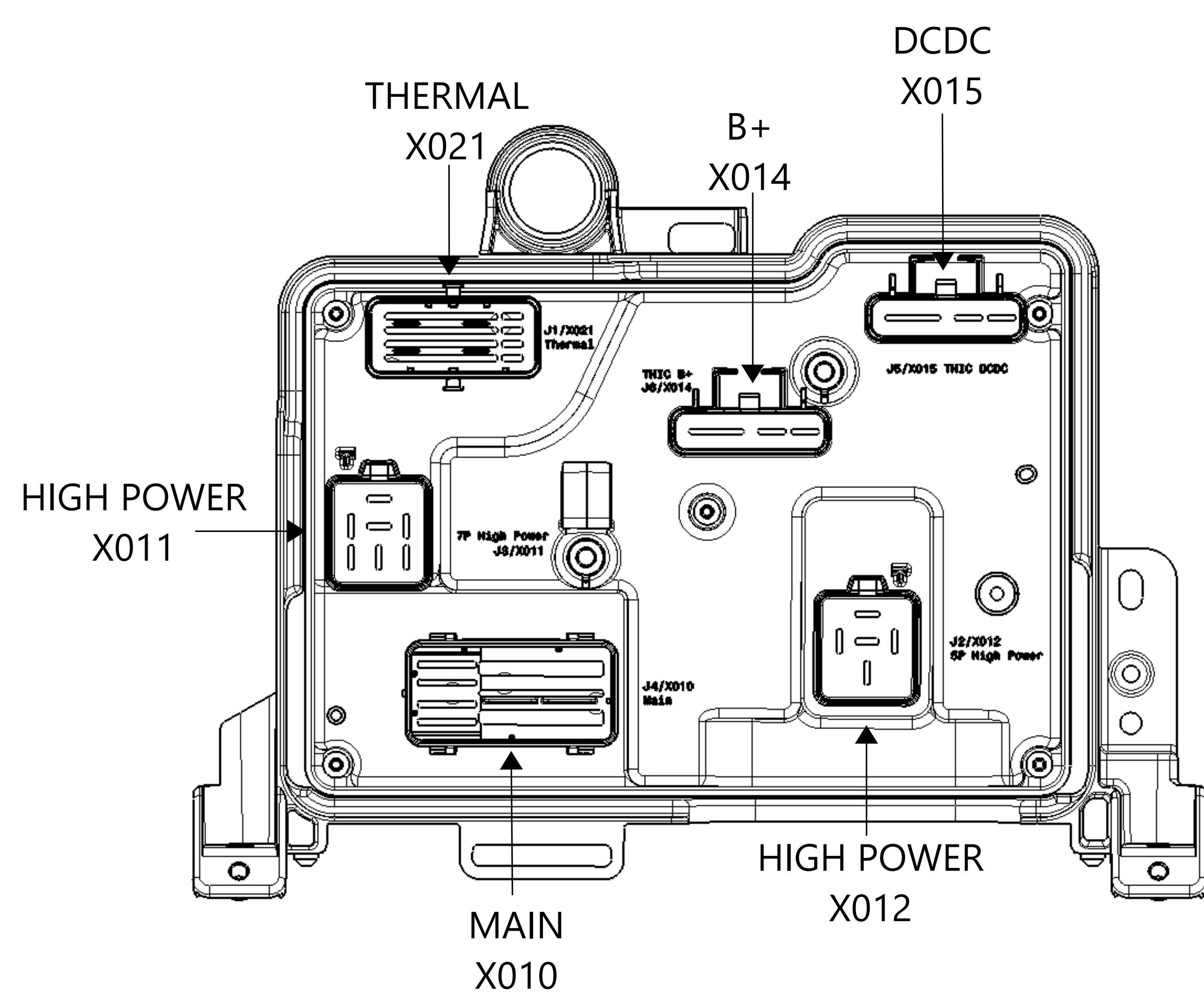


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DRAWN	CHECKED	APPROVED	
MATERIAL	FINISHING	SCALE	
AS SPECIFIED	AS SPECIFIED	NONE	
PART NAME			
- Table of Contents -			
PART NUMBER	REV	SHEET	SIZE
	2	1 OF 44	A0

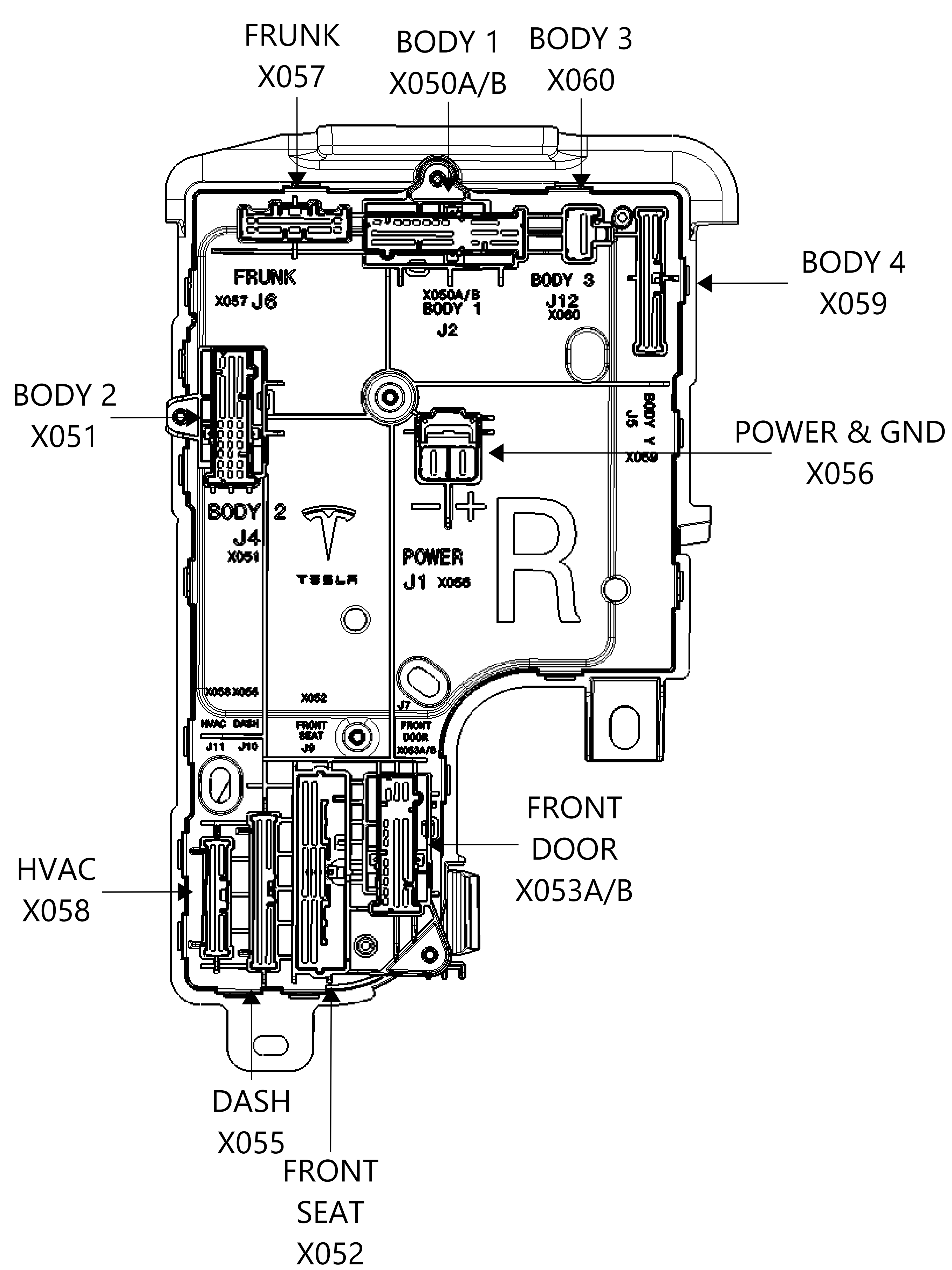
Left Controller



Front Controller



Right Controller



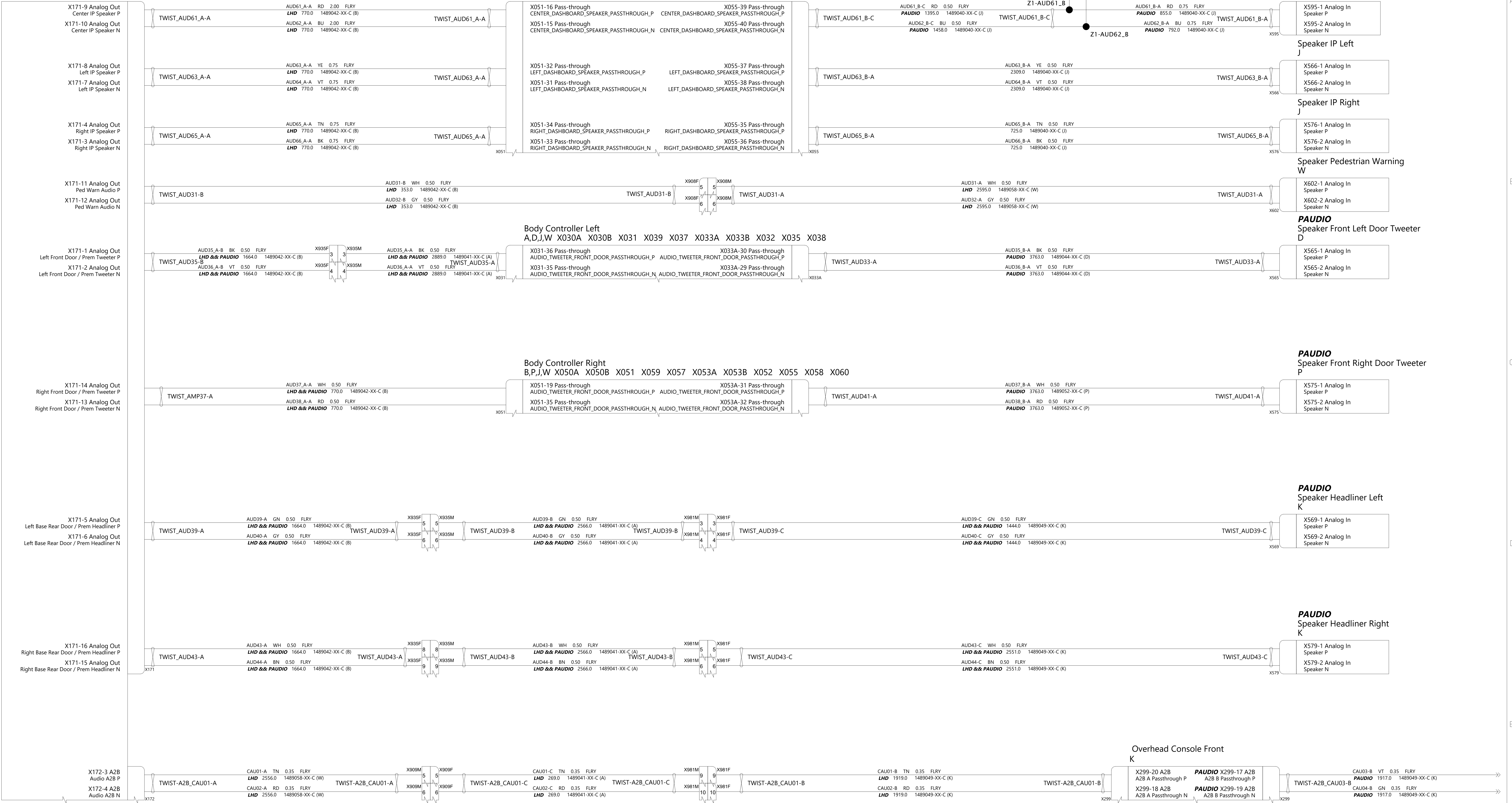
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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Controller Layout		
PART NUMBER	REV 2	SHEET 2 OF 44 SIZE A0

LHD
MCU (LHD)
W,B X170 X171 X172 X860 X802 X803 X804 X831 X173 X174 X863 X850

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



TESLA

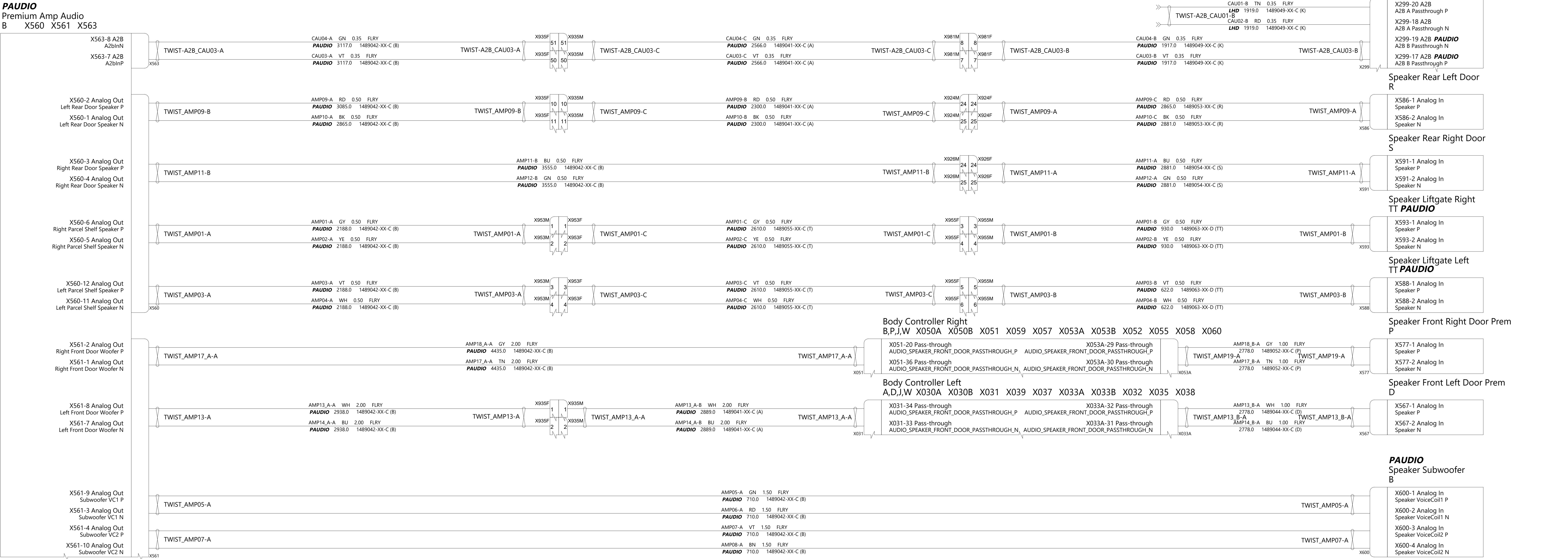
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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Model_Y:2:C-Sample-Audio

PART NUMBER	REV	SHEET	SIZE
	2	3 of 44	A0



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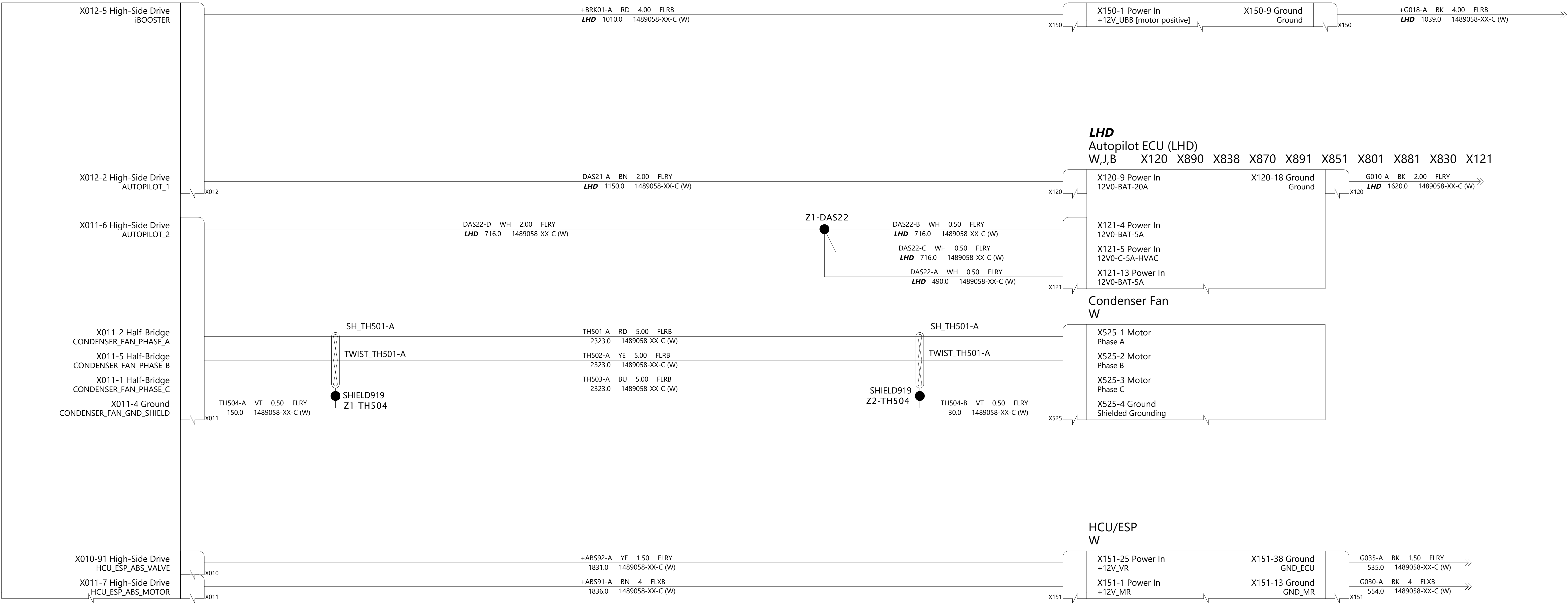
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MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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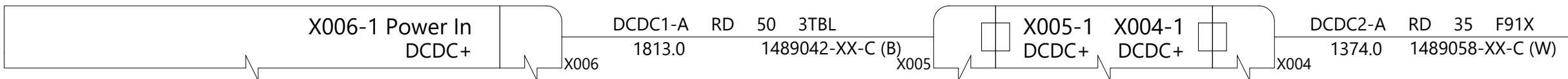
PART NAME
Model_Y:2:C-Sample-Audio, Premium Amp

PART NUMBER	REV	SHEET	SIZE
	2	4 of 44	A0

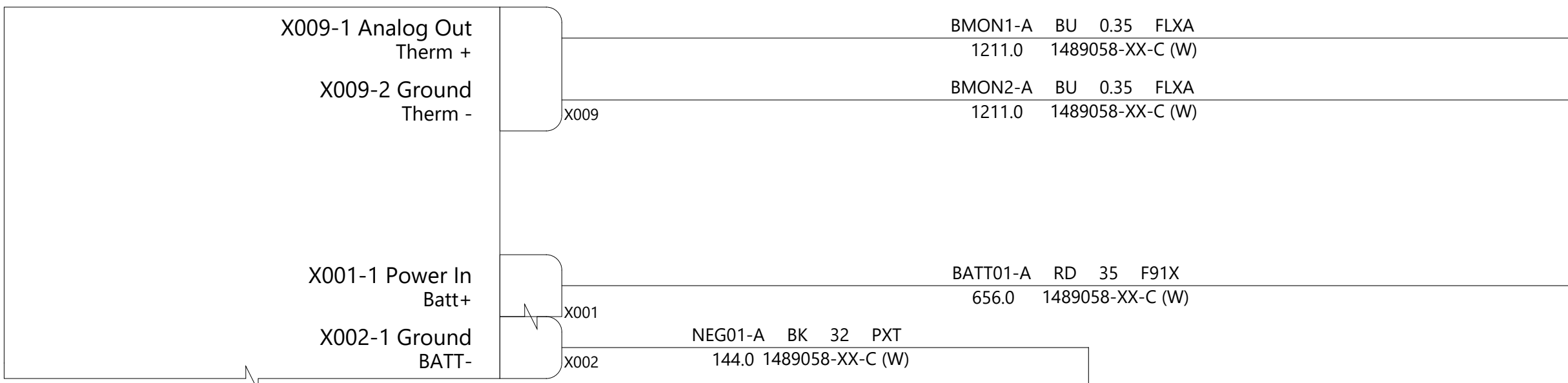
Body Controller Front
W,U X021 X012 X011 X010 X015 X014



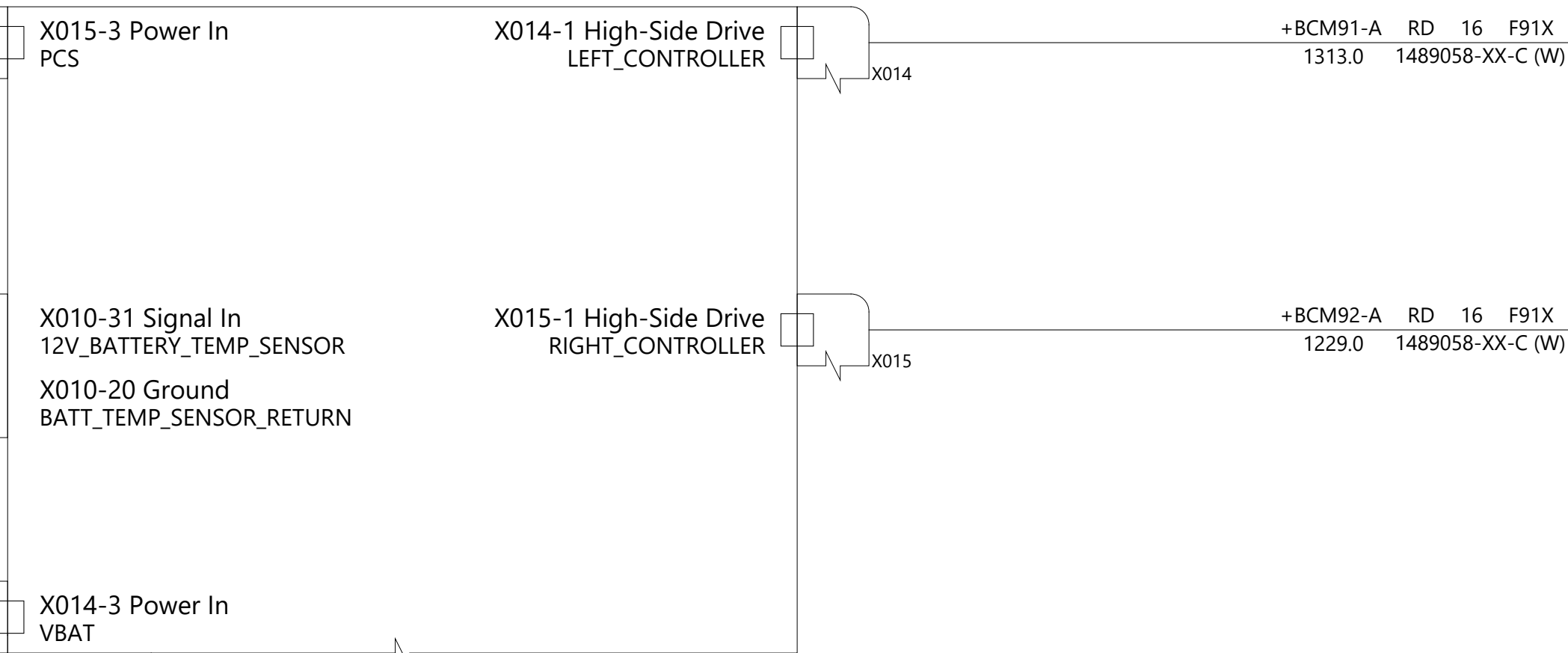
HV Battery
B X098 X006 X007



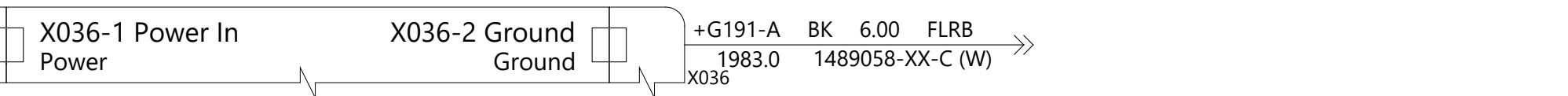
12V Battery
W



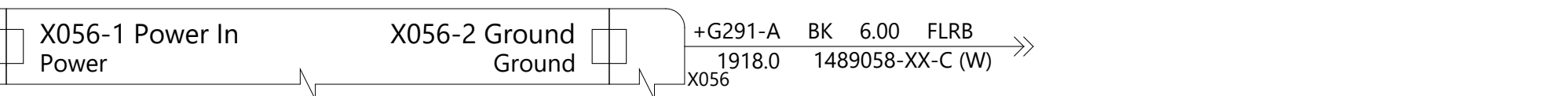
Body Controller Front
W,U X021 X012 X011 X010 X015 X014



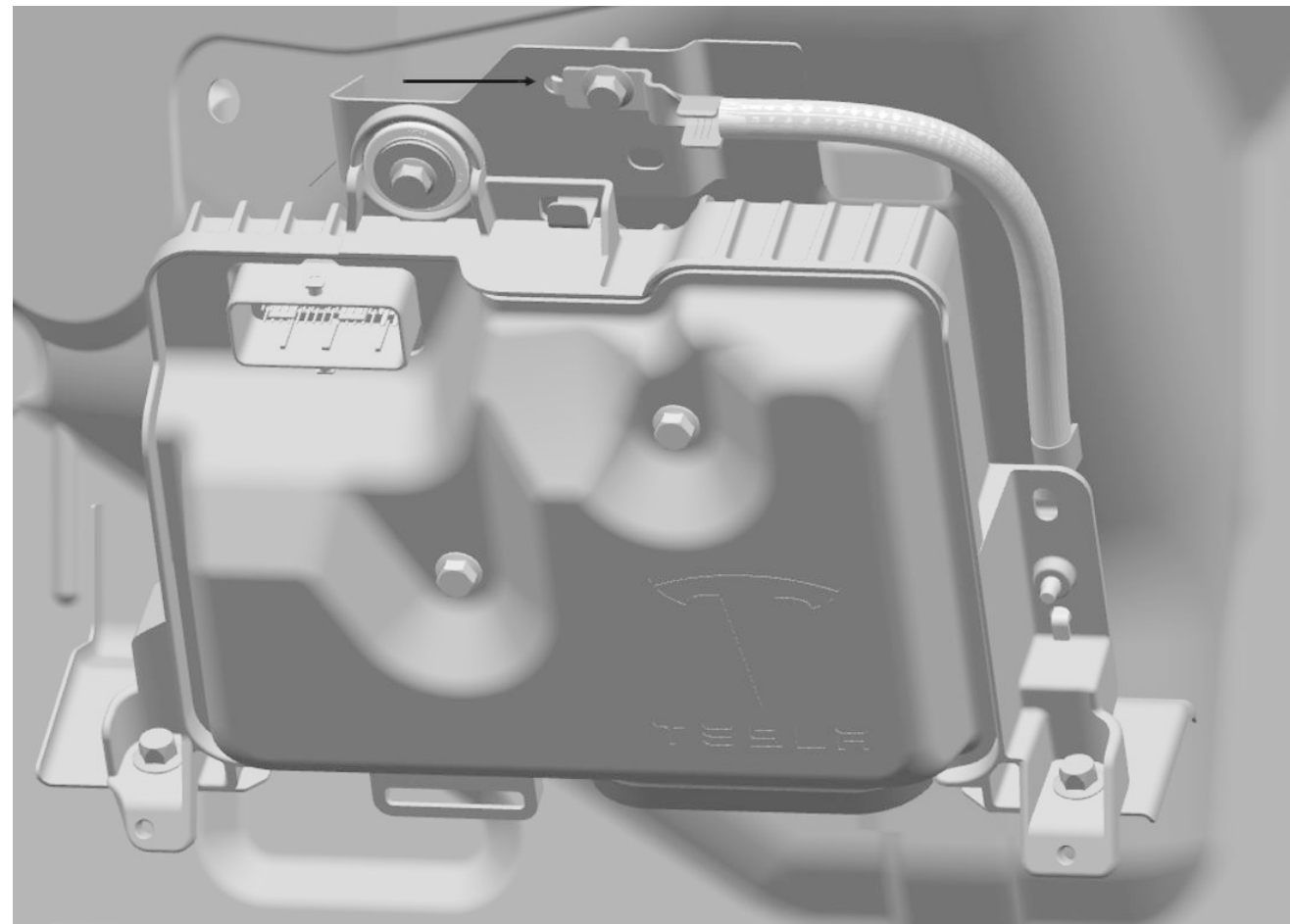
Body Controller Left
A,D,J,W X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



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

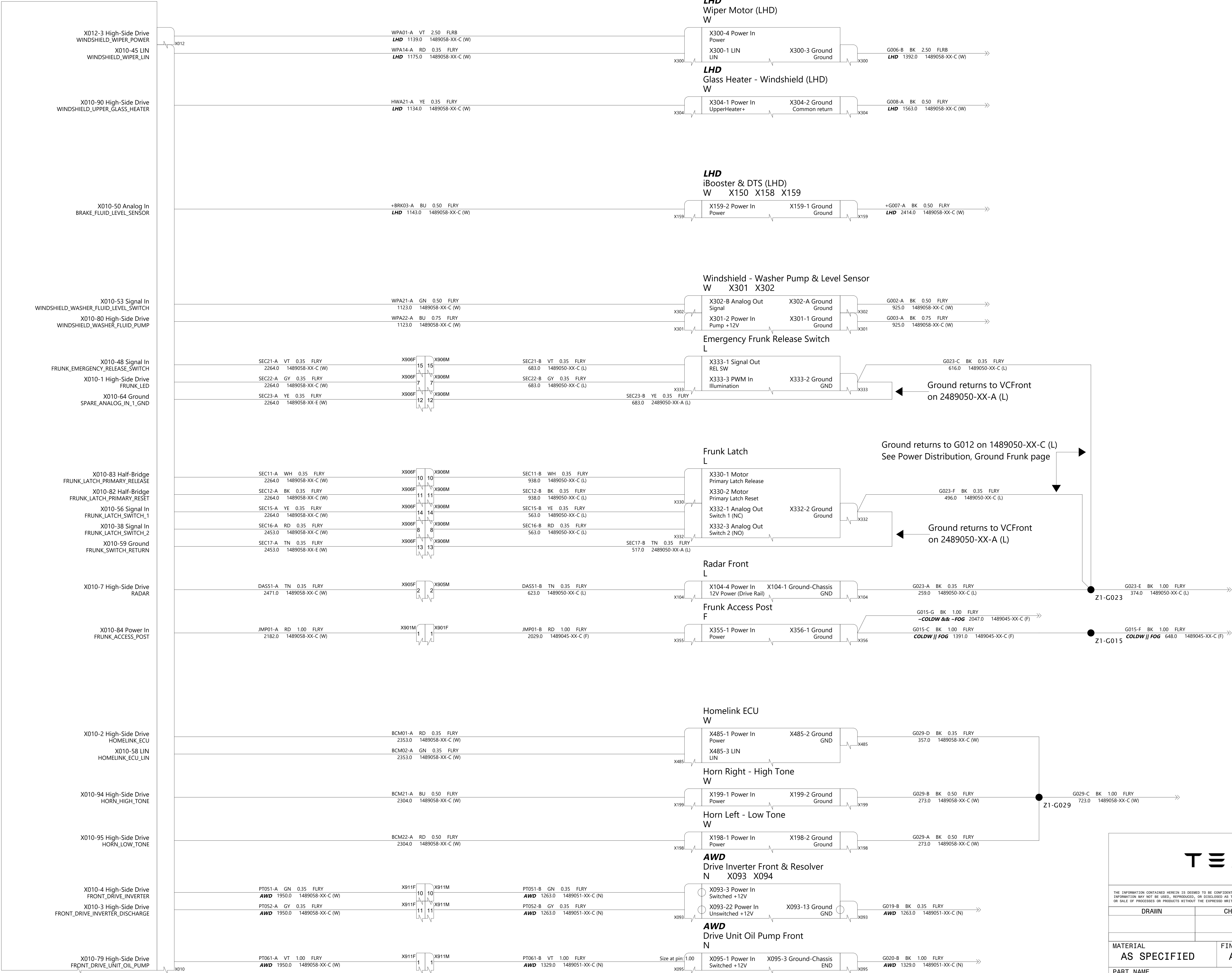


VCFront heatsink grounded through braided strap



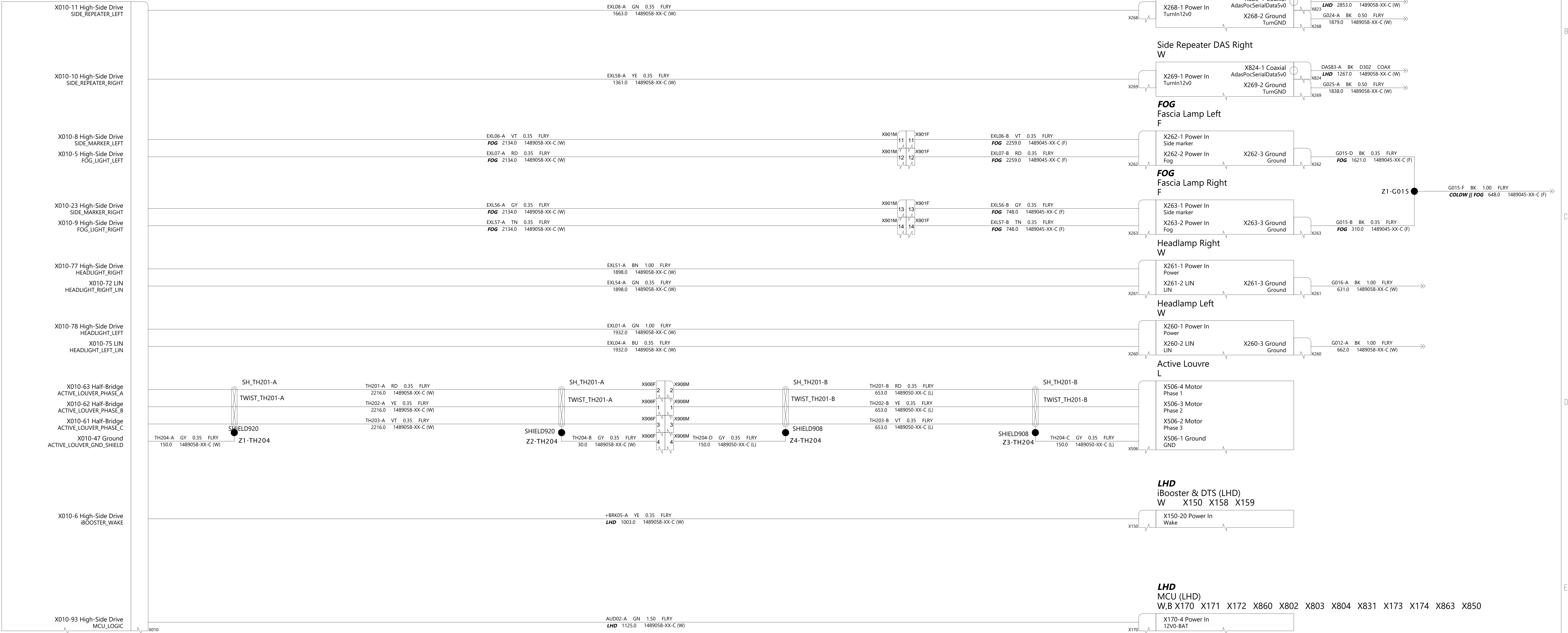
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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED		FINISHING AS SPECIFIED	SCALE NONE
PART NAME Model_Y:2:C-Sample-Body Controller Front High Current			
PART NUMBER		REV 2	SHEET 5 of 44 A0

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



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DRAWN	CHECKED	APPROVED	
MATERIAL	FINISHING	SCALE	
AS SPECIFIED	AS SPECIFIED	NONE	
PART NAME			
Model_Y:2:C-Sample-Body Controller Front Main 1/2			
PART NUMBER	REV	SHEET	SIZE
	2	6 OF 44	A0

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



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DRAWN	CHECKED	APPROVED

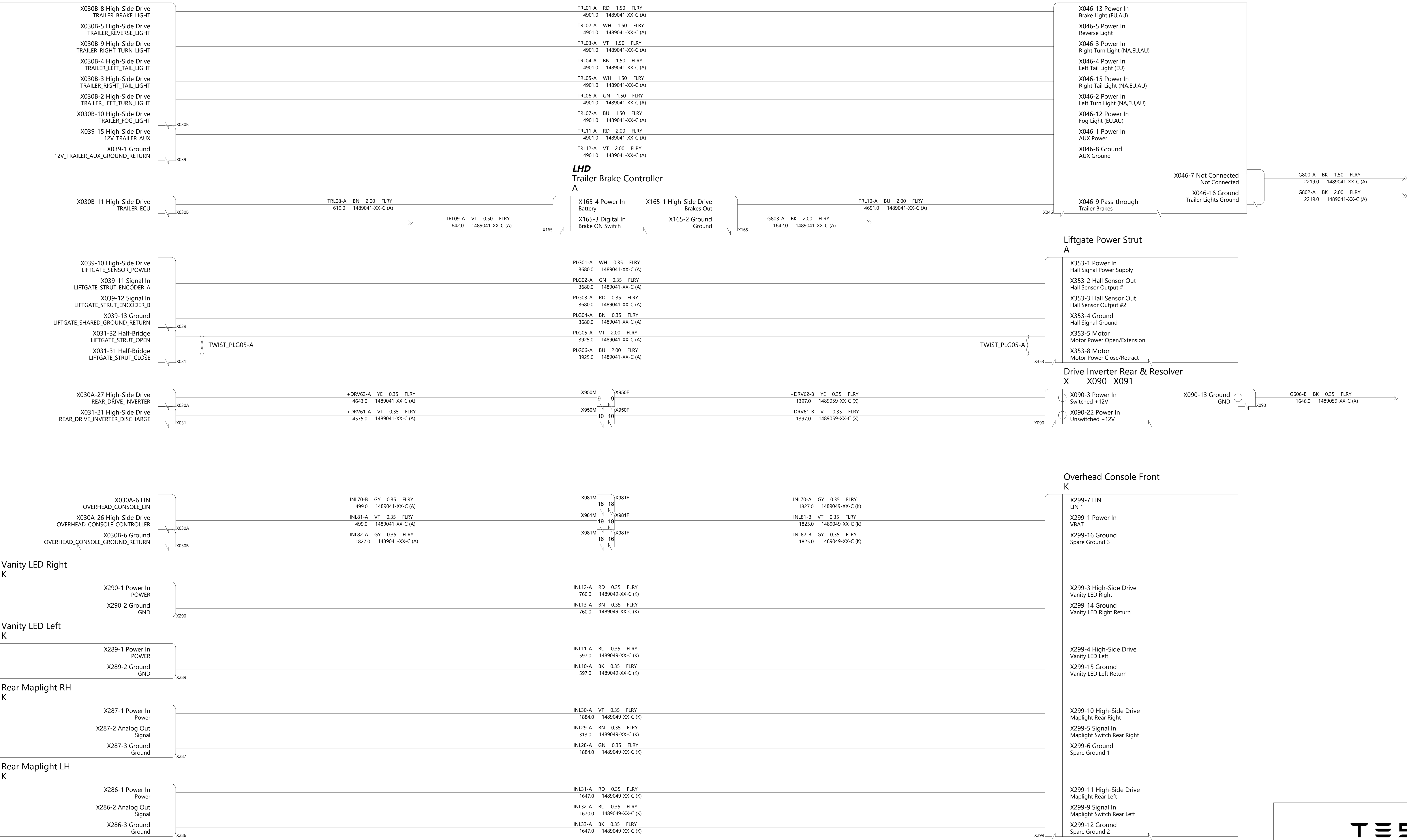
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Model_Y:2:C-Sample-Body Controller Front Main 2/2

PART NUMBER	REV	SHEET	SIZE
	2	7 of 44	A0

Body Controller Left
A,D,J,W

X036 X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



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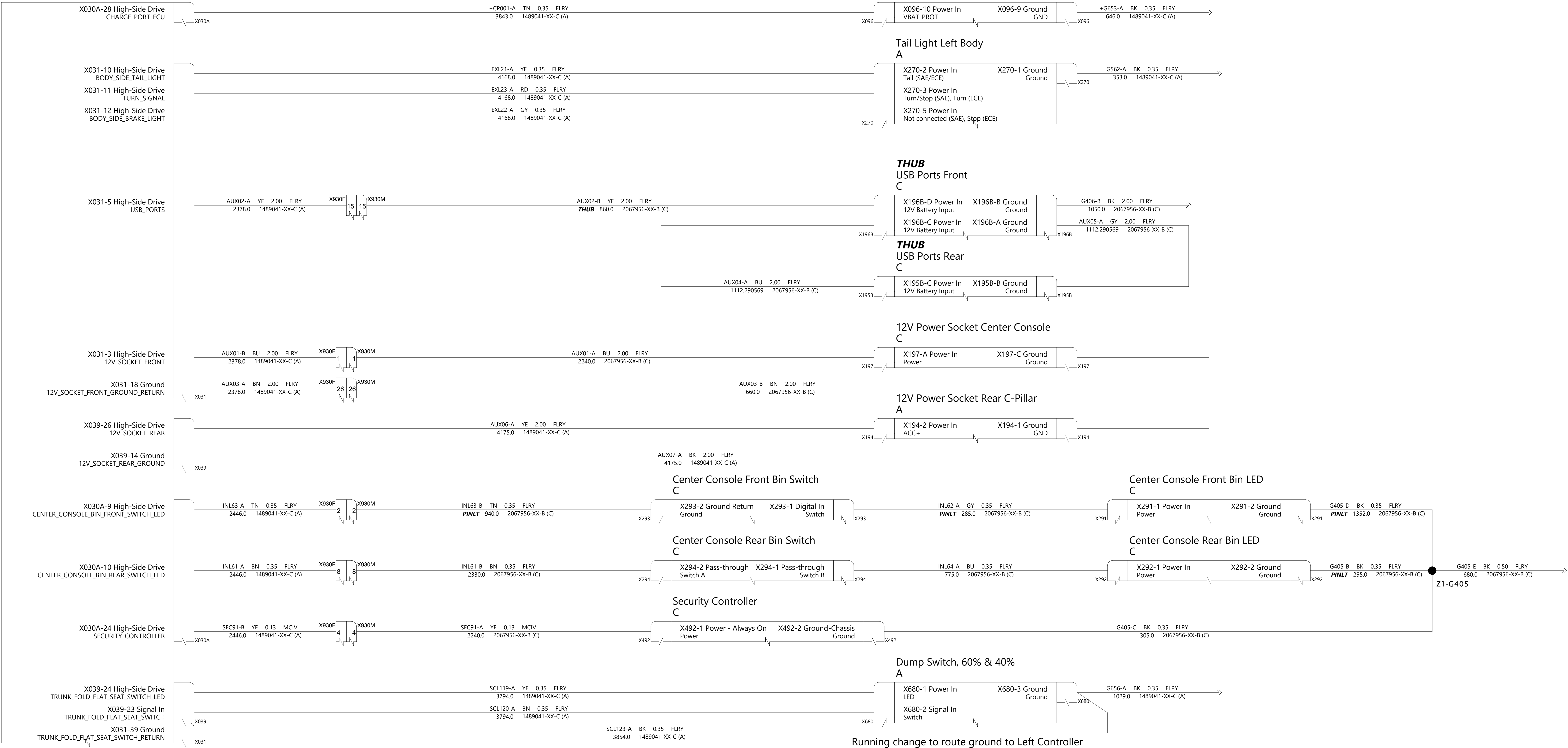
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Model_Y:2:C-Sample-Body Controller Left Body 1/2

PART NUMBER	REV	SHEET	SIZE
	2	8 OF 44	A0

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



TESLA

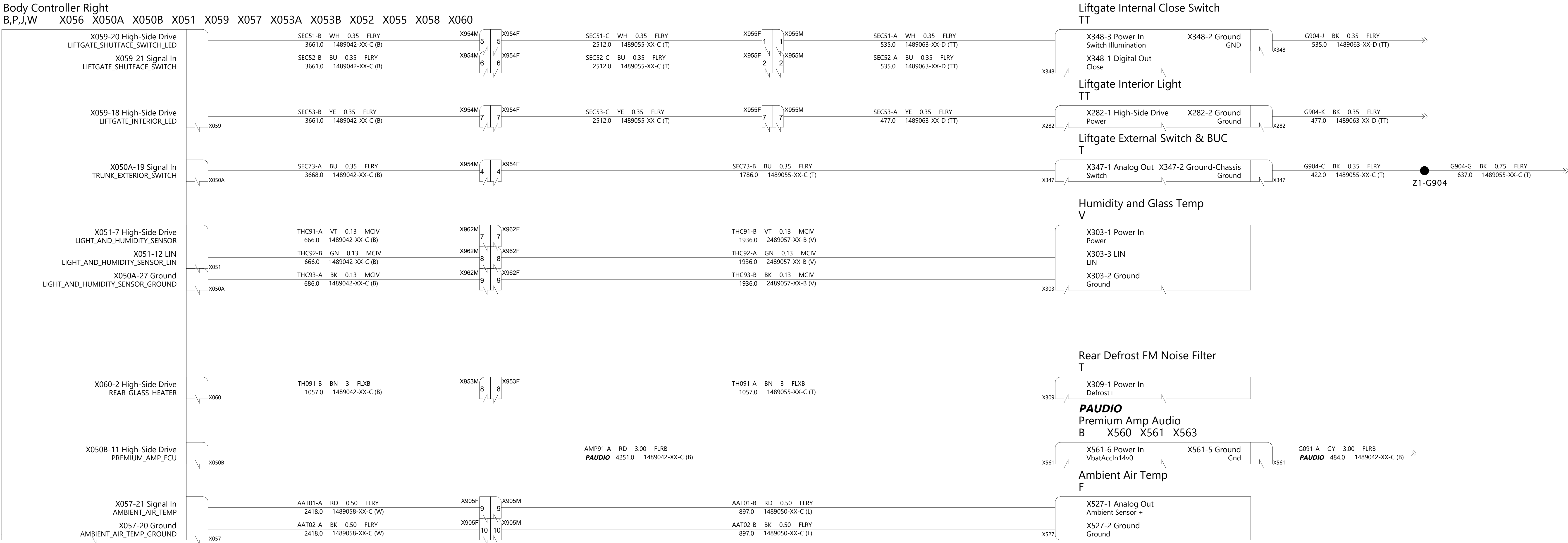
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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Model_Y:2:C-Sample-Body Controller Left Body 2/2

PART NUMBER	REV	SHEET	SIZE
	2	9 of 44	A0

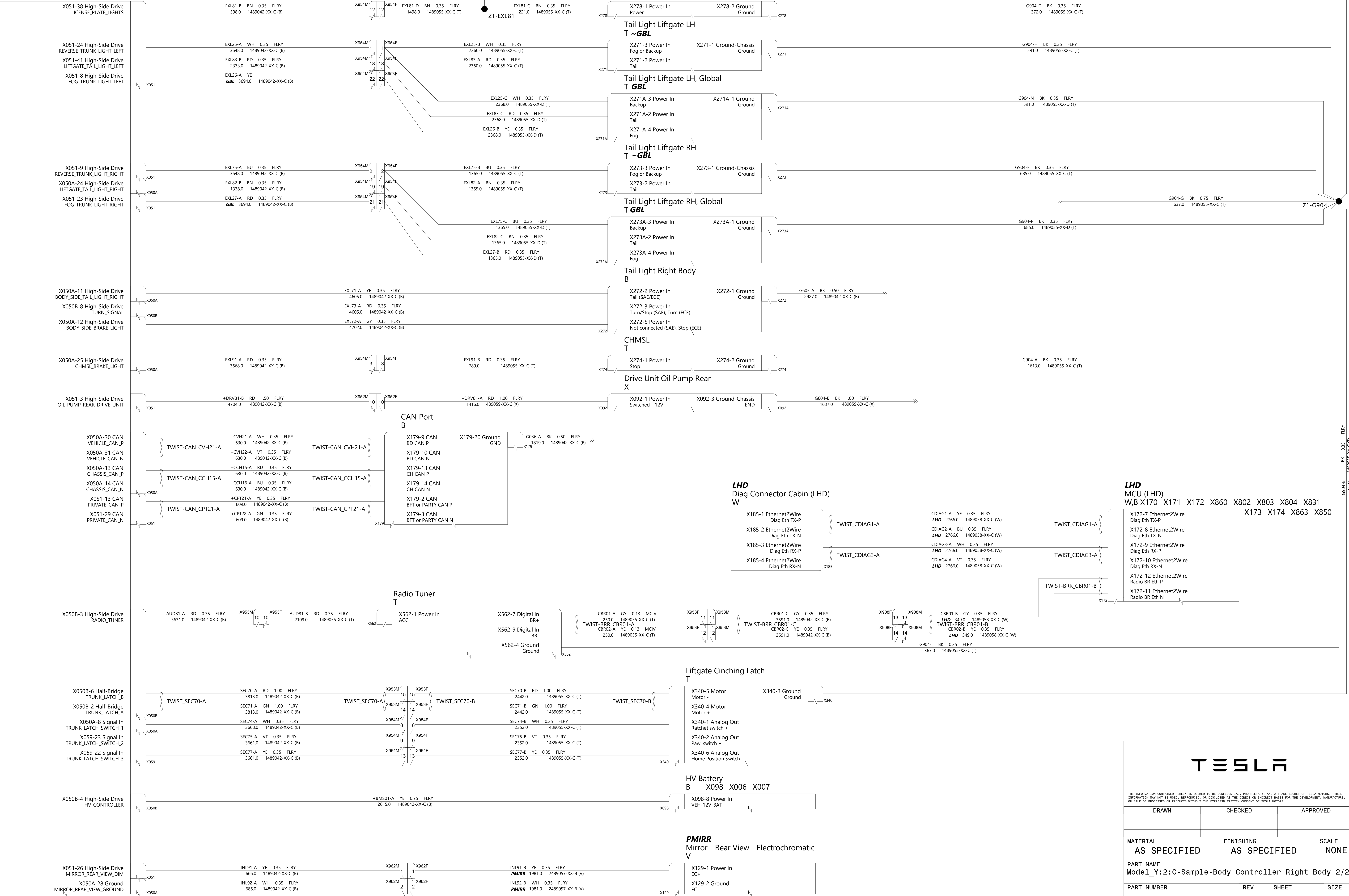


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DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Model_Y:2:C-Sample-Body Controller Right Body 1/2		
PART NUMBER	REV 2	SHEET 10 of 44
		SIZE A0

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



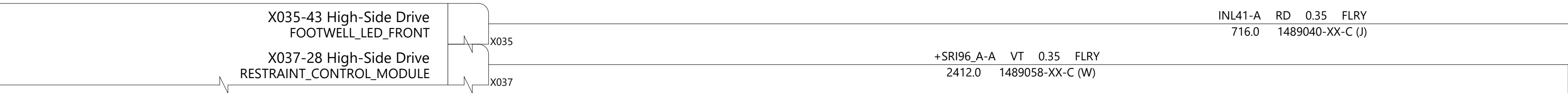
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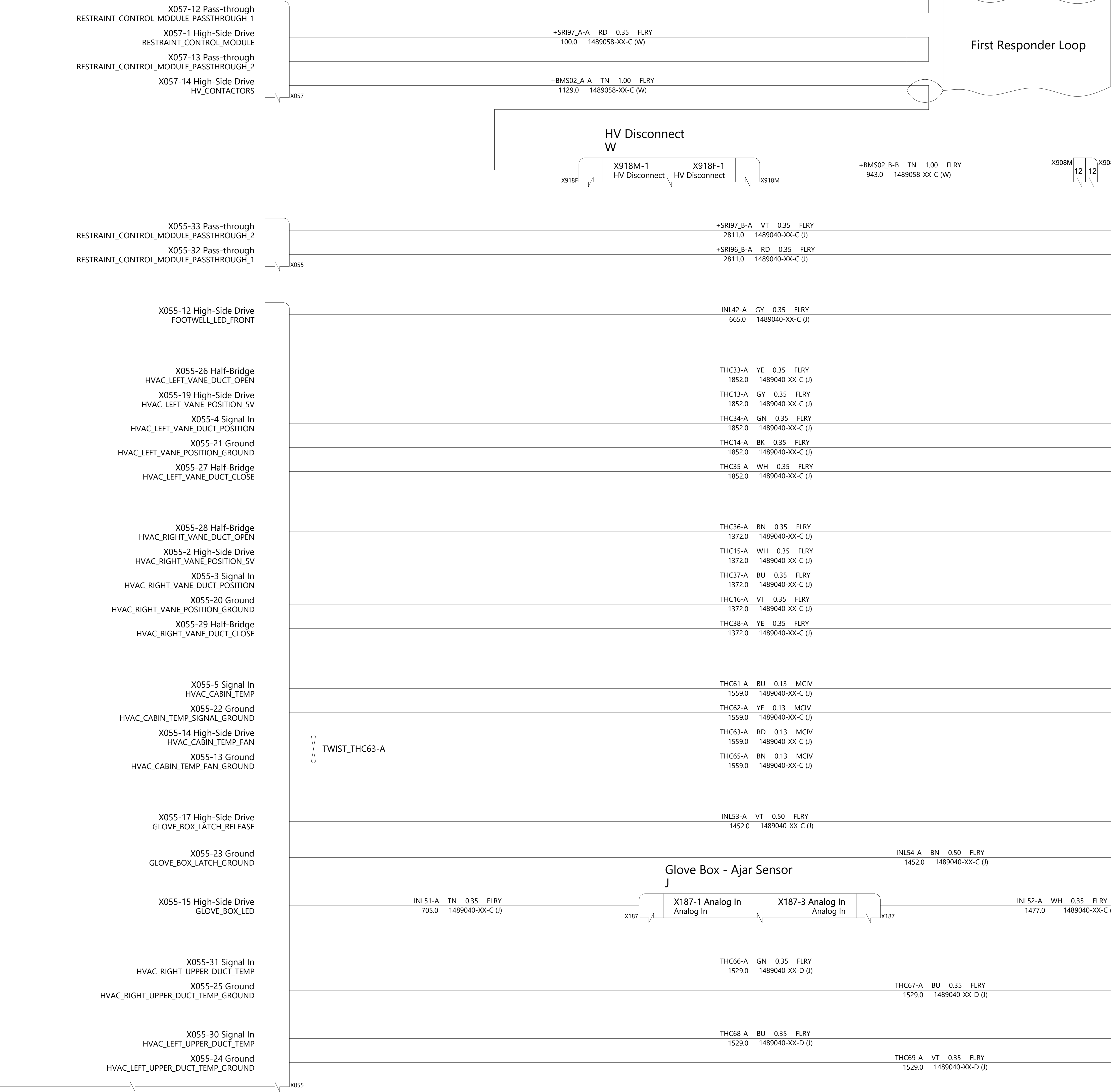
DRAWN	CHECKED	APPROVED

MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE	
PART NAME Model_Y:2:C-Sample-Body Controller Right Body 2/2			
PART NUMBER	REV 2	SHEET 11 OF 44	SIZE A0

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



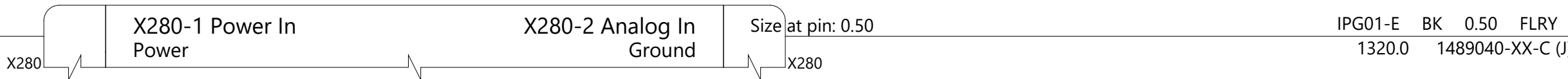
Body Controller Right
B,P,I,W X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060



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



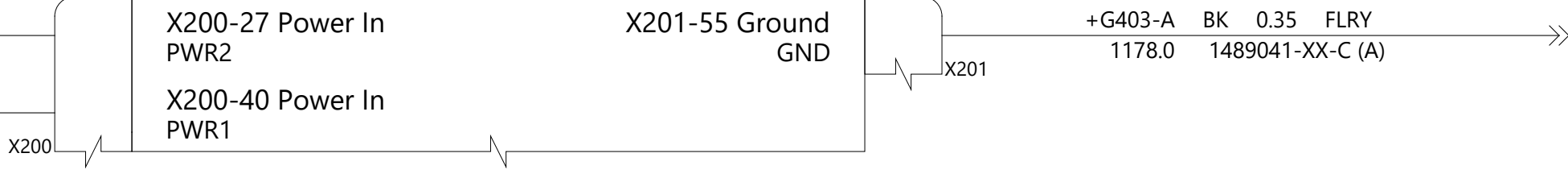
Footwell LED Front Left
J



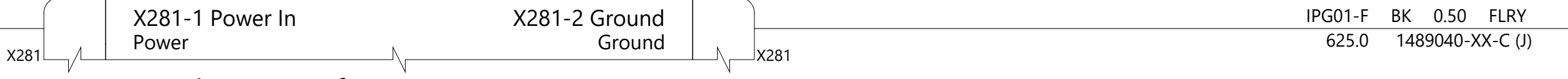
HV Battery
B X098 X006 X007



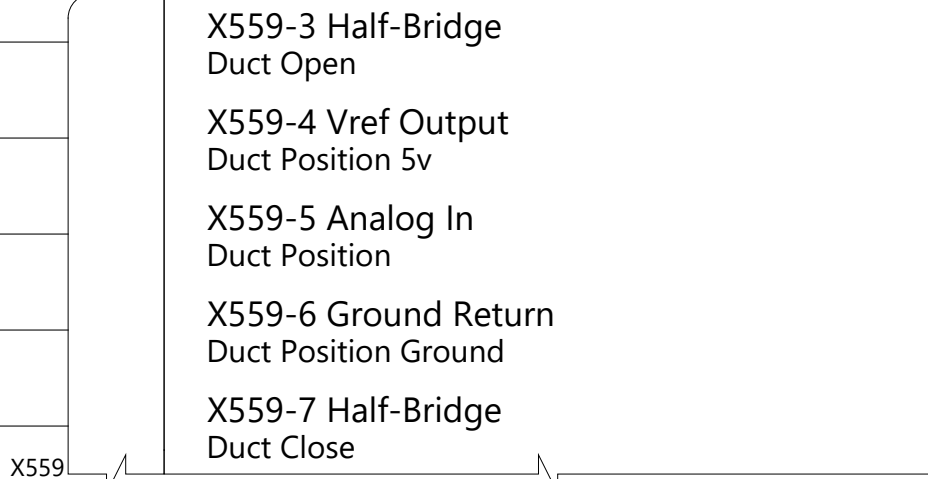
Restraints Controller
A,J X200 X201



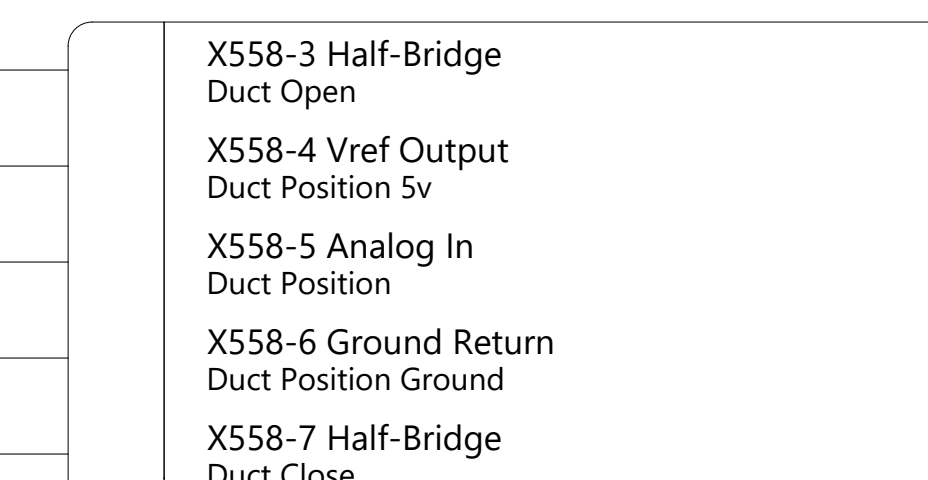
Footwell LED Front Right
J



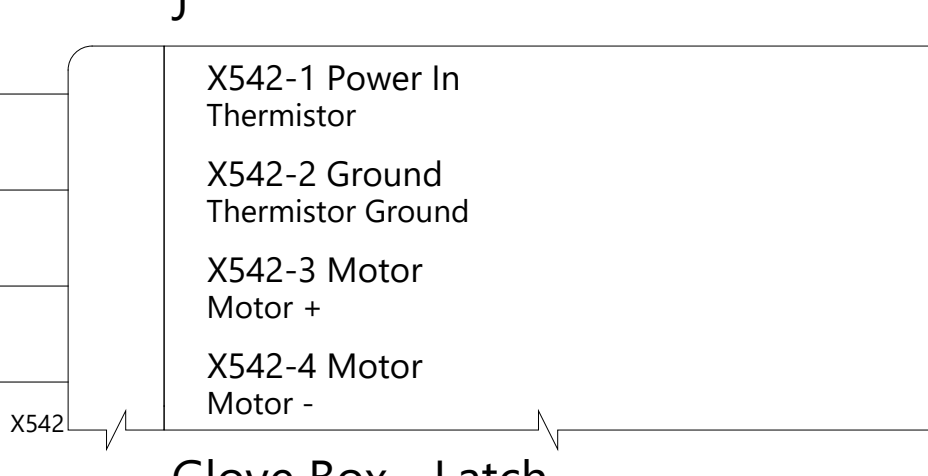
Lateral Vanes Left
J



Lateral Vanes Right
J



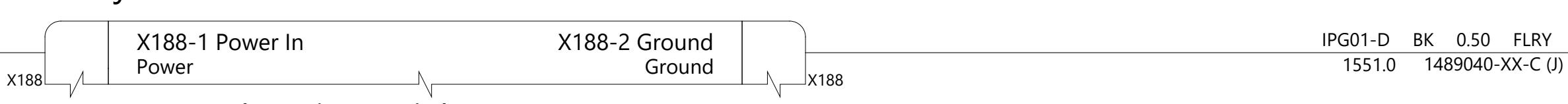
Cabin Thermistors
J



Glove Box - Latch
J



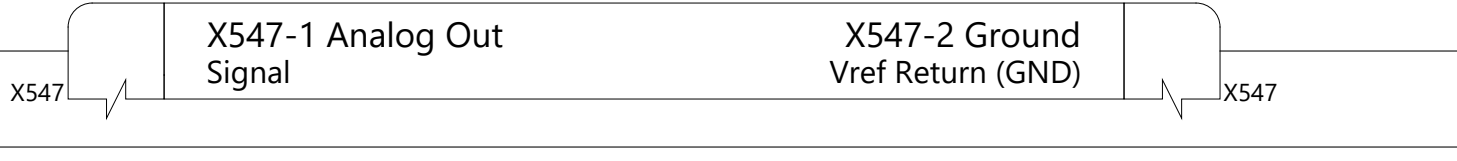
Glove Box - LED
J



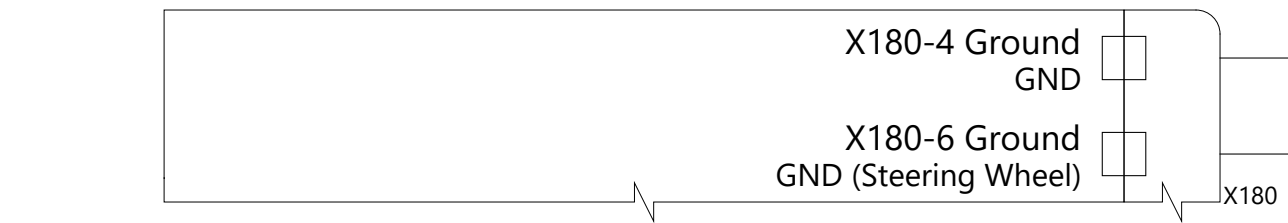
IP Duct Thermistor, Right
J



IP Duct Thermistor, Left
J



Steering Angle and Stalk ECU
J



TESLA

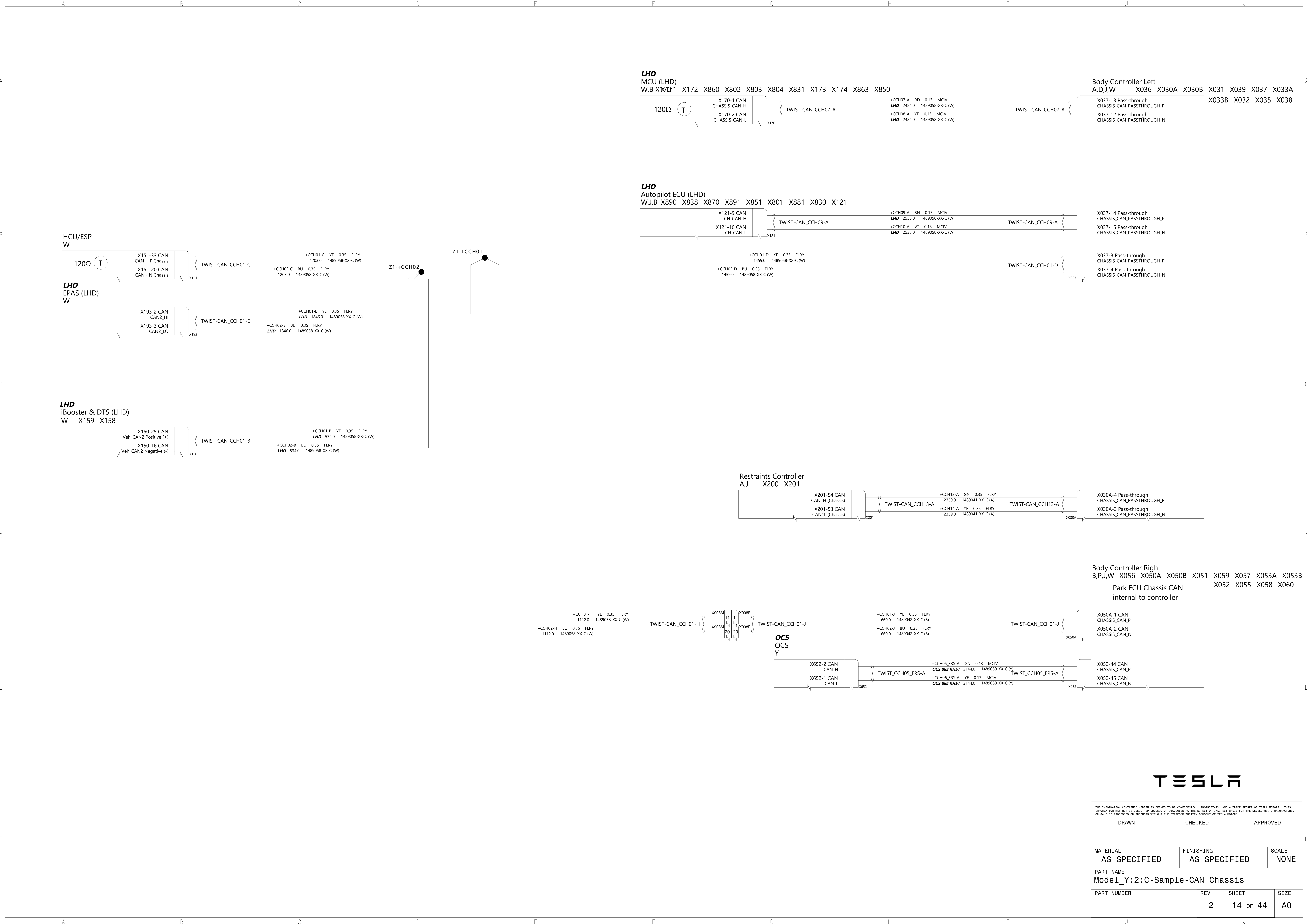
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DRAWN	CHECKED	APPROVED

MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Model_Y:2:C-Sample-Body Controllers Dashboard

PART NUMBER	REV	SHEET	SIZE
	2	12 of 44	A0



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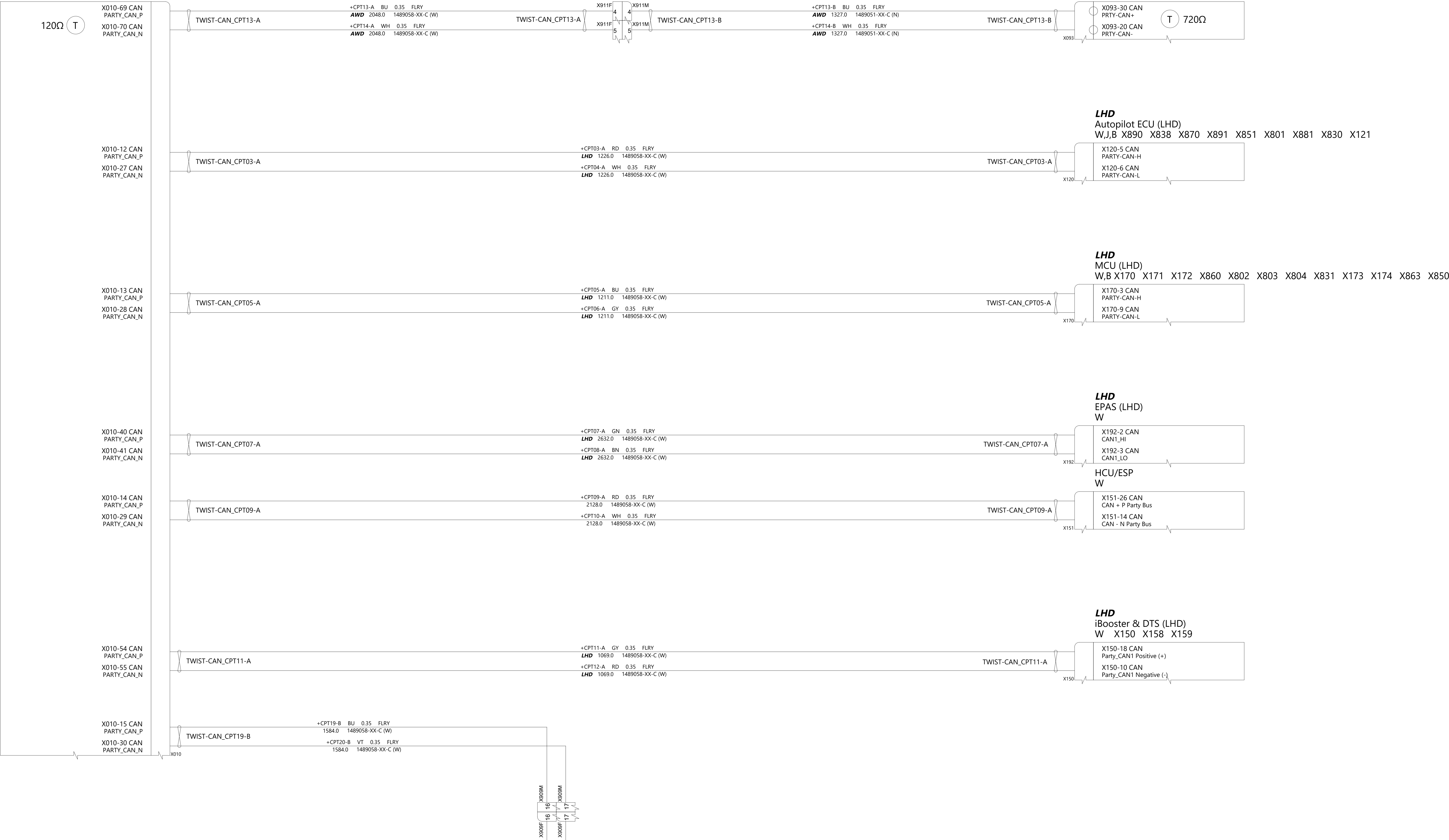
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

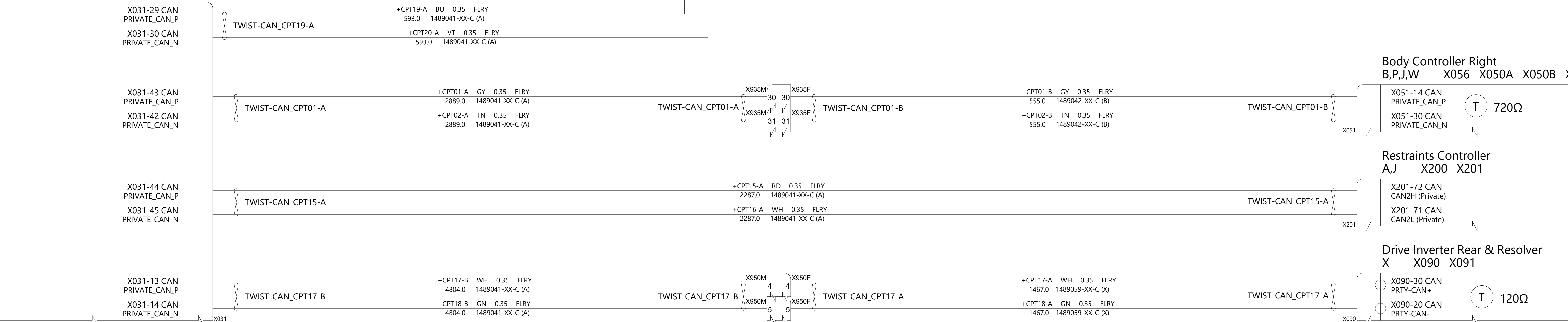
PART NAME
Model_Y:2:C-Sample-CAN Chassis

PART NUMBER	REV	SHEET	SIZE
	2	14 of 44	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



TESLA

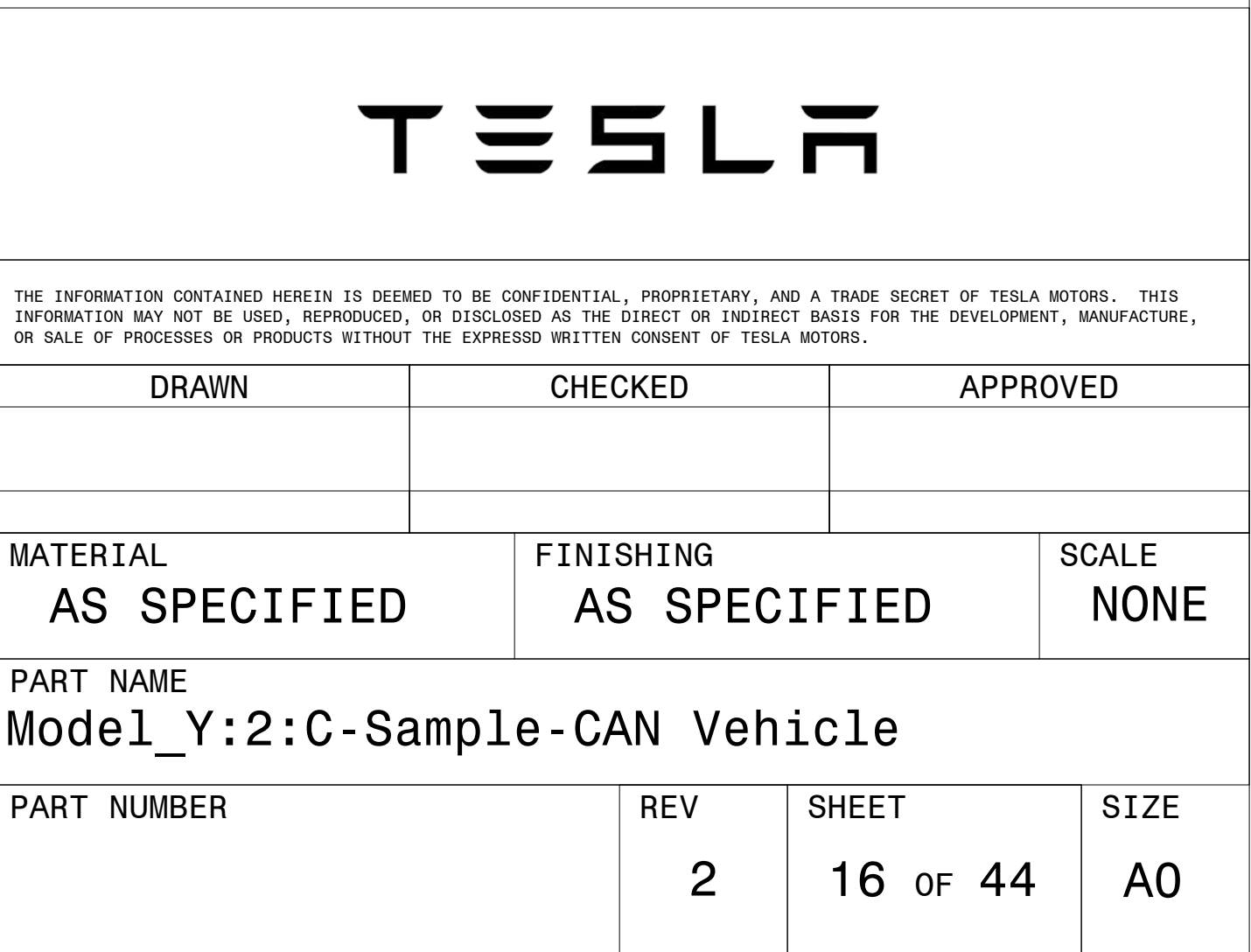
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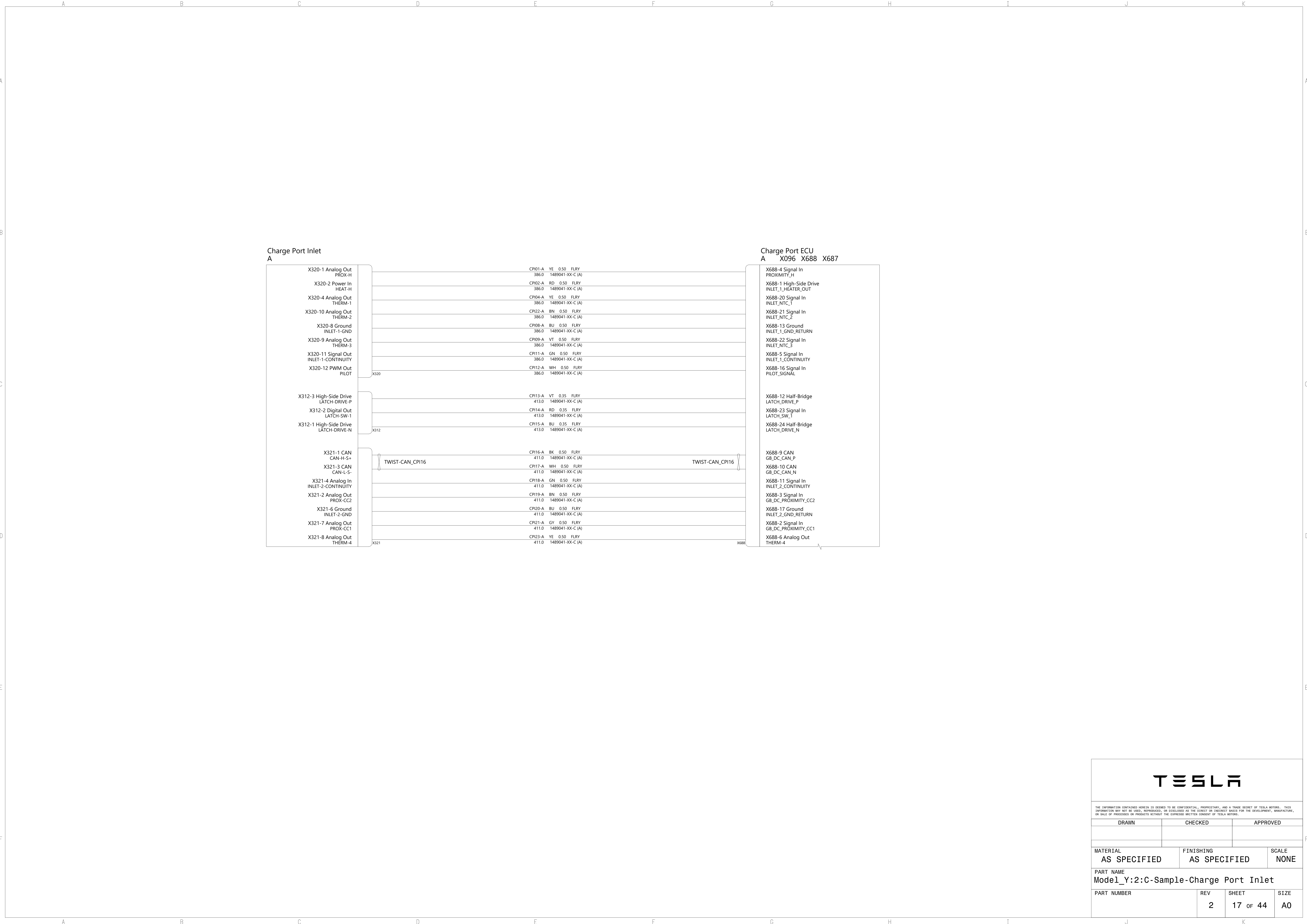
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Model_Y:2:C-Sample-CAN Party

PART NUMBER	REV	SHEET	SIZE
	2	15 of 44	A0





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DRAWN

CHECKED

APPROVED

MATERIAL
AS SPECIFIED

FINISHING
AS SPECIFIED

SCALE
NONE

PART NAME
Model_Y:2:C-Sample-Charge Port Inlet

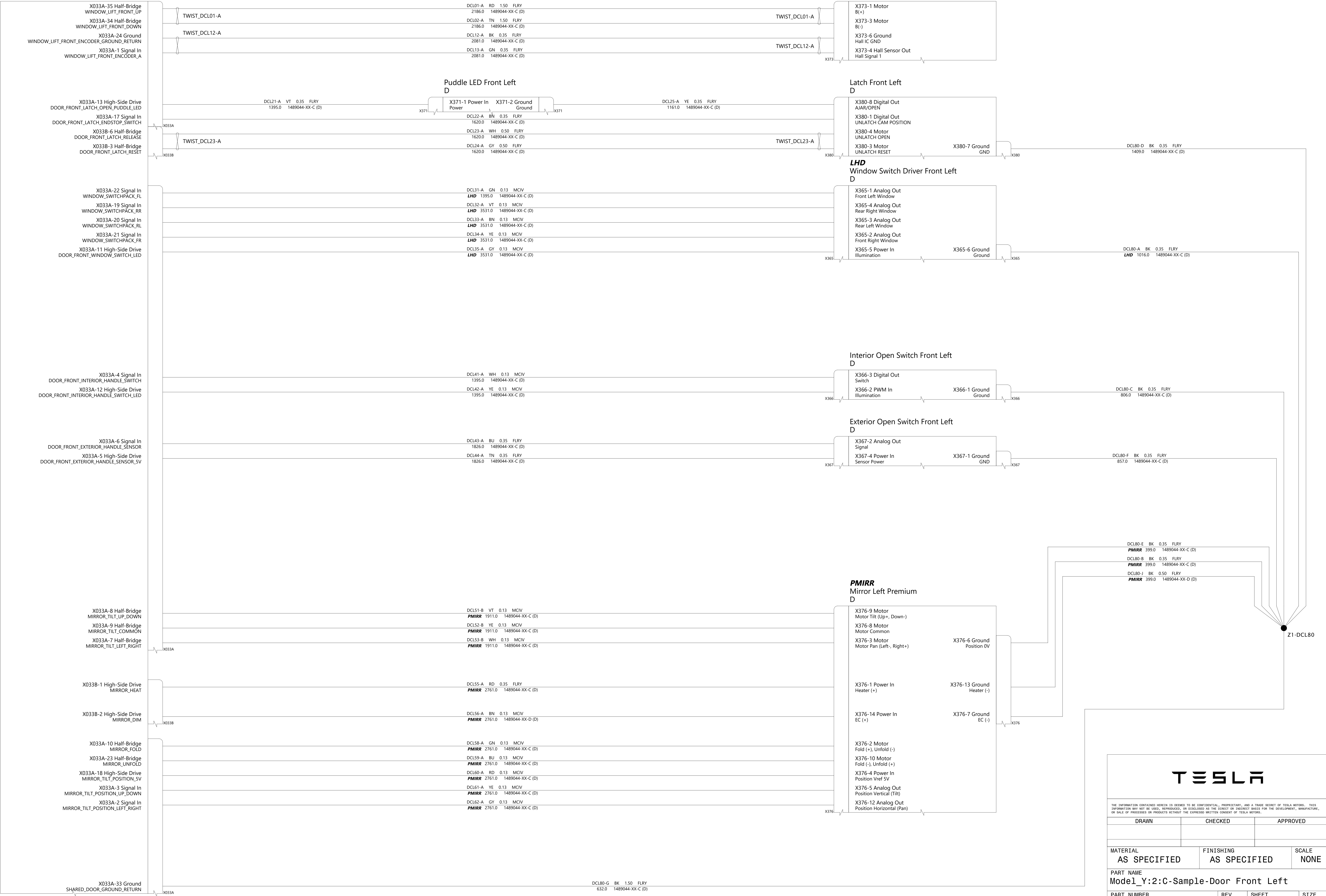
PART NUMBER

REV
2

SHEET
17 of 44

SIZE
A0

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



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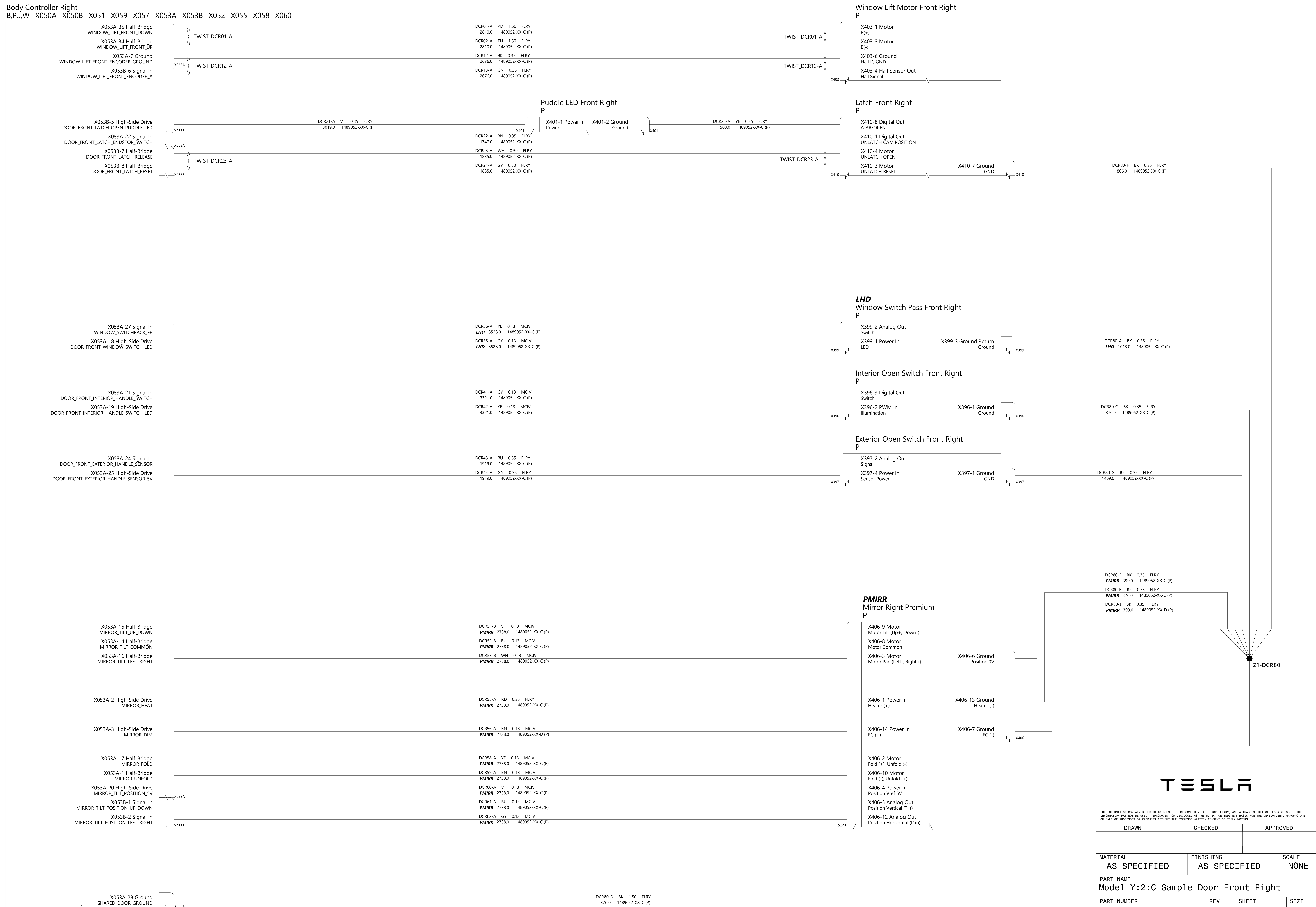
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DRAWN	CHECKED	APPROVED

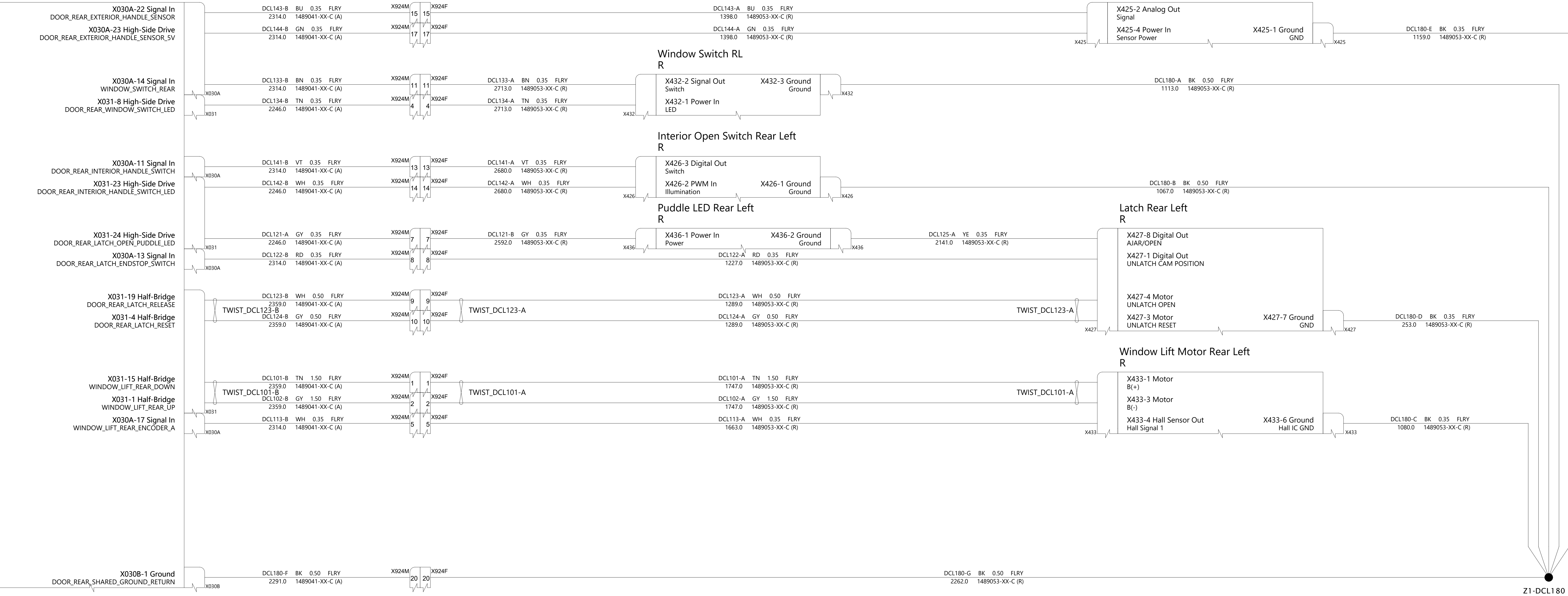
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME Model_Y:2:C-Sample-Door Front Left

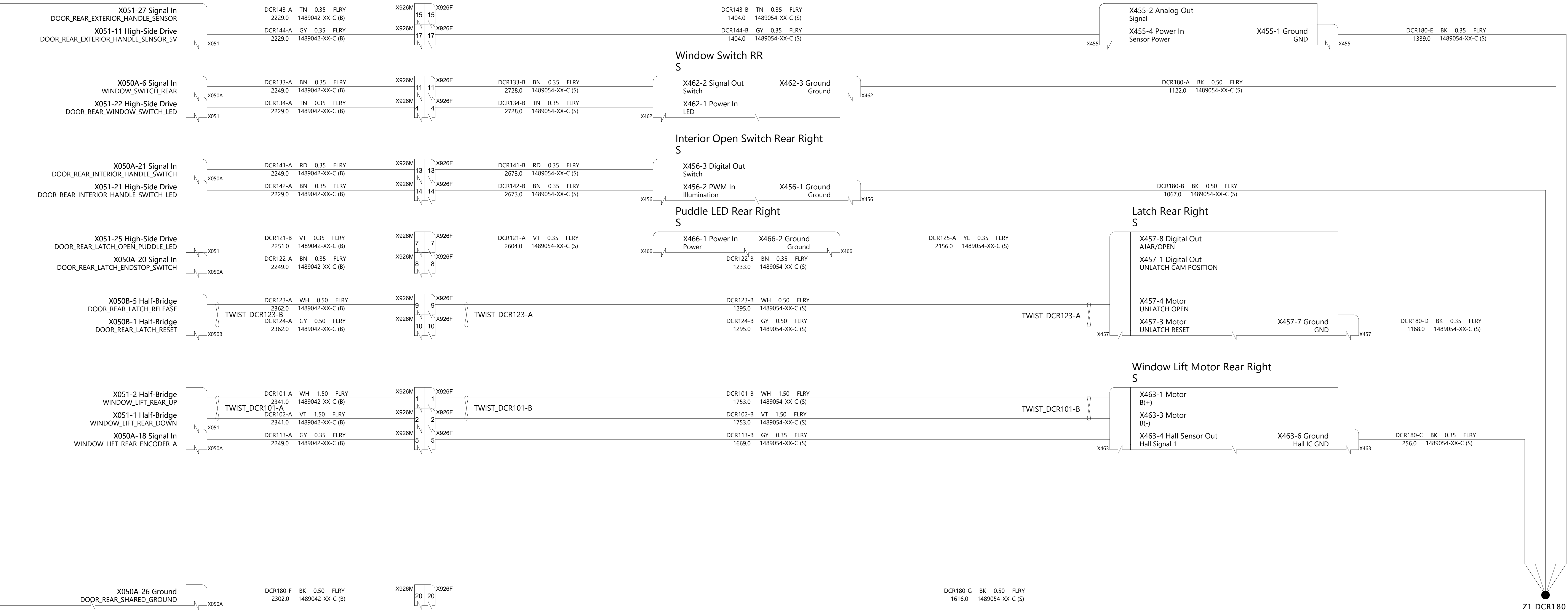
PART NUMBER	REV 2	SHEET 18 of 44	SIZE A0
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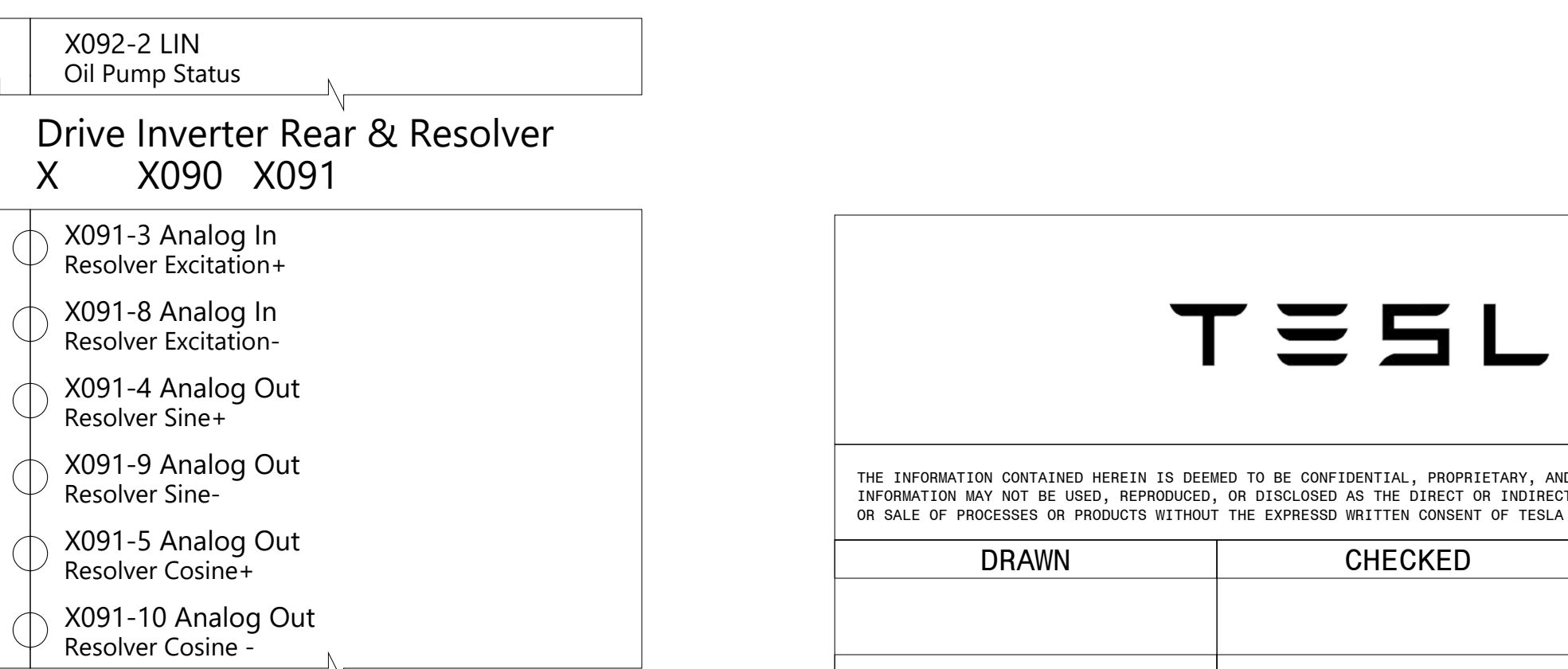
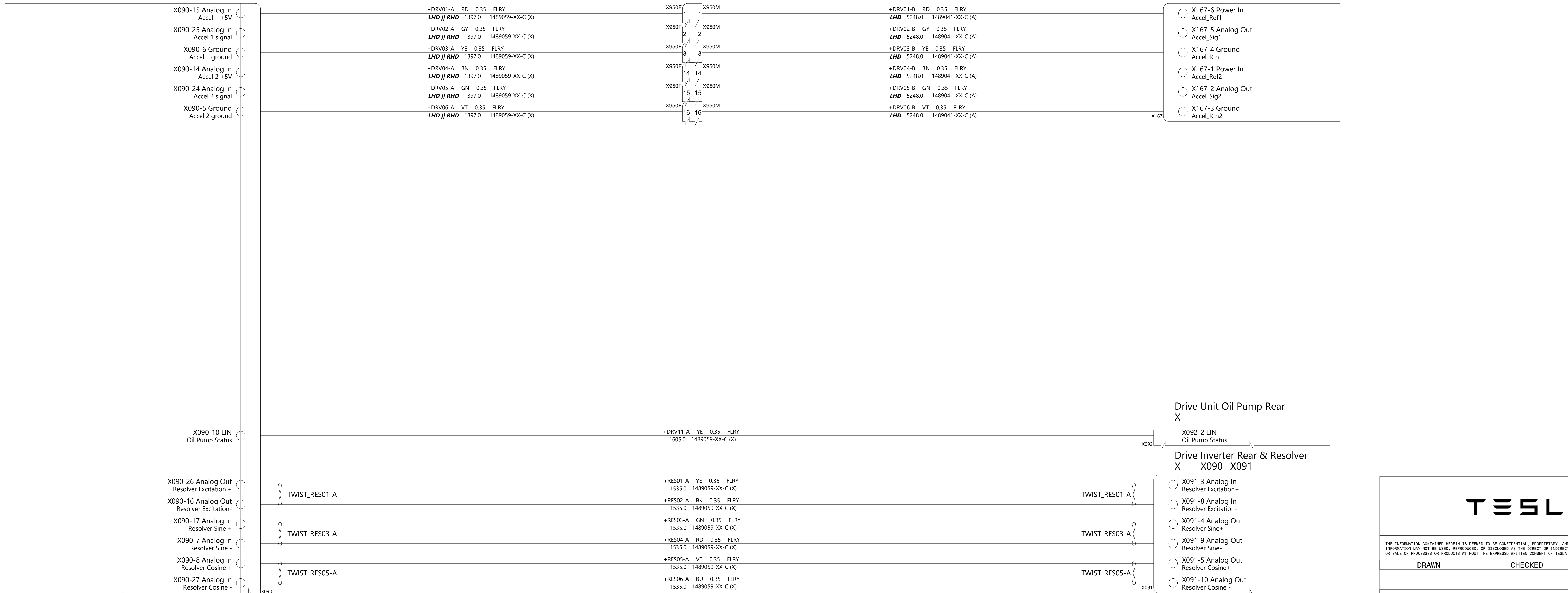
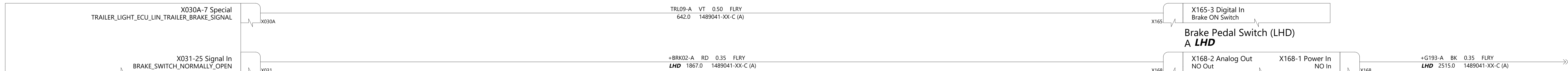
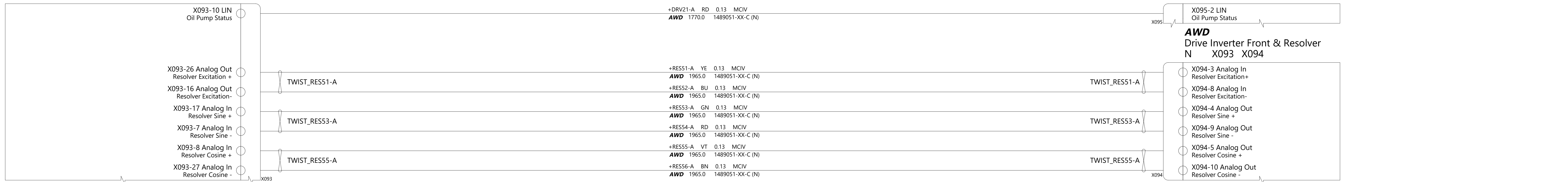
Body Controller Left
A,D,J,W X030A X030B X031 X039 X037 X033A X033B X032 X035 X038



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	FINISHING		SCALE
AS SPECIFIED	AS SPECIFIED		NONE
PART NAME			
Model_Y:2:C-Sample-Doors Rear			
PART NUMBER	REV	SHEET	SIZE
	2	20 OF 44	A0





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DRAWN	CHECKED	APPROVED

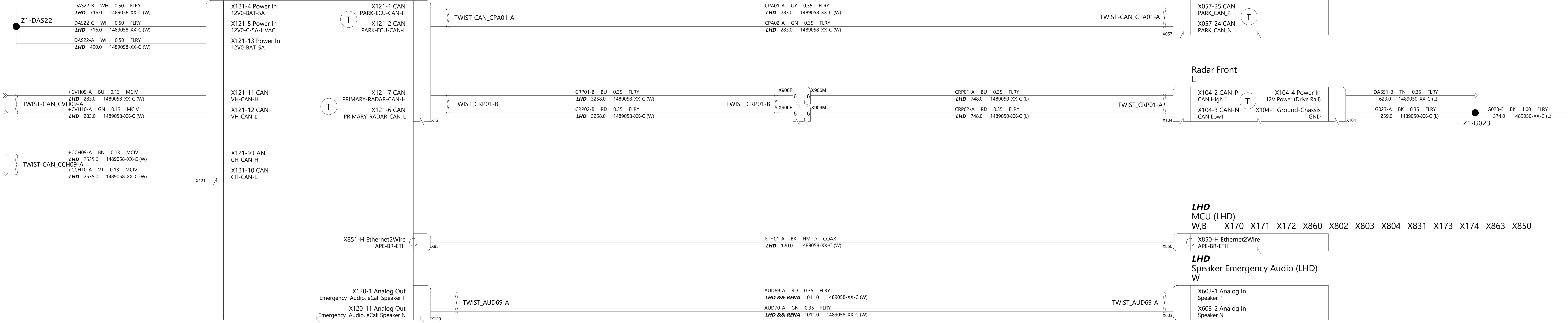
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Model_Y:2:C-Sample-Drive Inverters		

PART NUMBER	REV	SHEET	PAGE	SIZE
	2	21 OF 44		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



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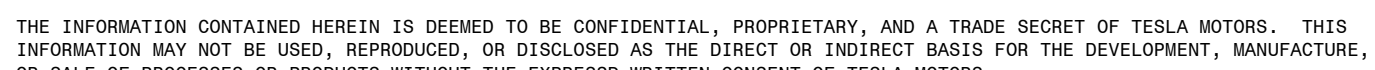
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DRAWN	CHECKED	APPROVED

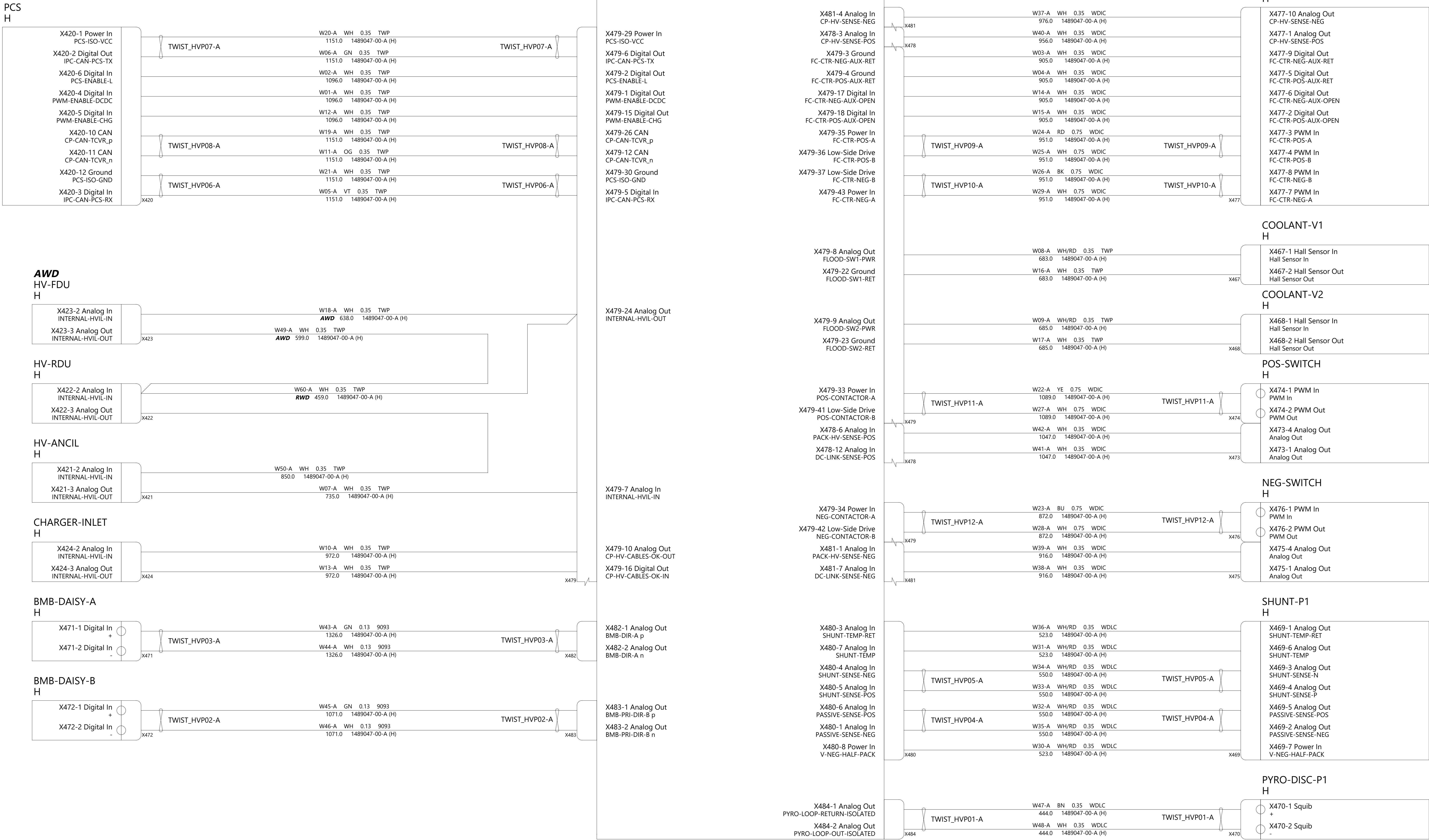
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Model_Y:2:C-Sample-Driver Assistance

PART NUMBER	REV	SHEET	SIZE
	2	22 of 44	A0



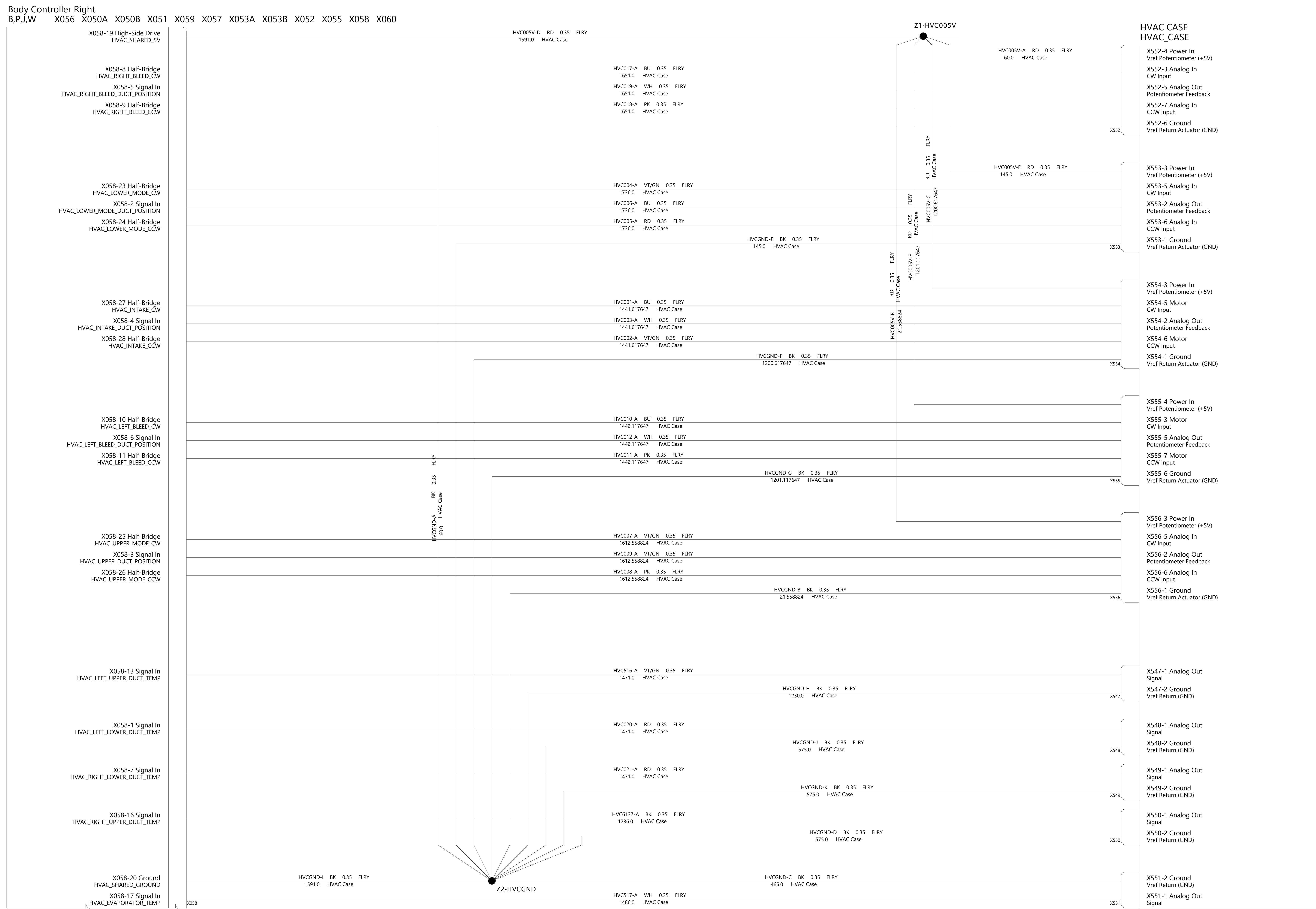
DRAWN		CHECKED		APPROVED	
MATERIAL AS SPECIFIED		FINISHING AS SPECIFIED		SCALE NONE	
PART NAME Model_Y:2:C-Sample-HV Battery and HVIL					
PART NUMBER		REV 2	SHEET 23 of 44		SIZE A0



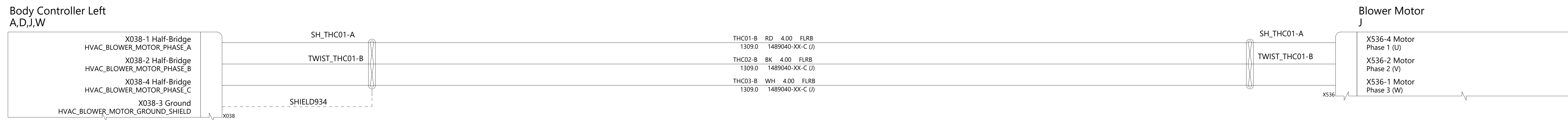
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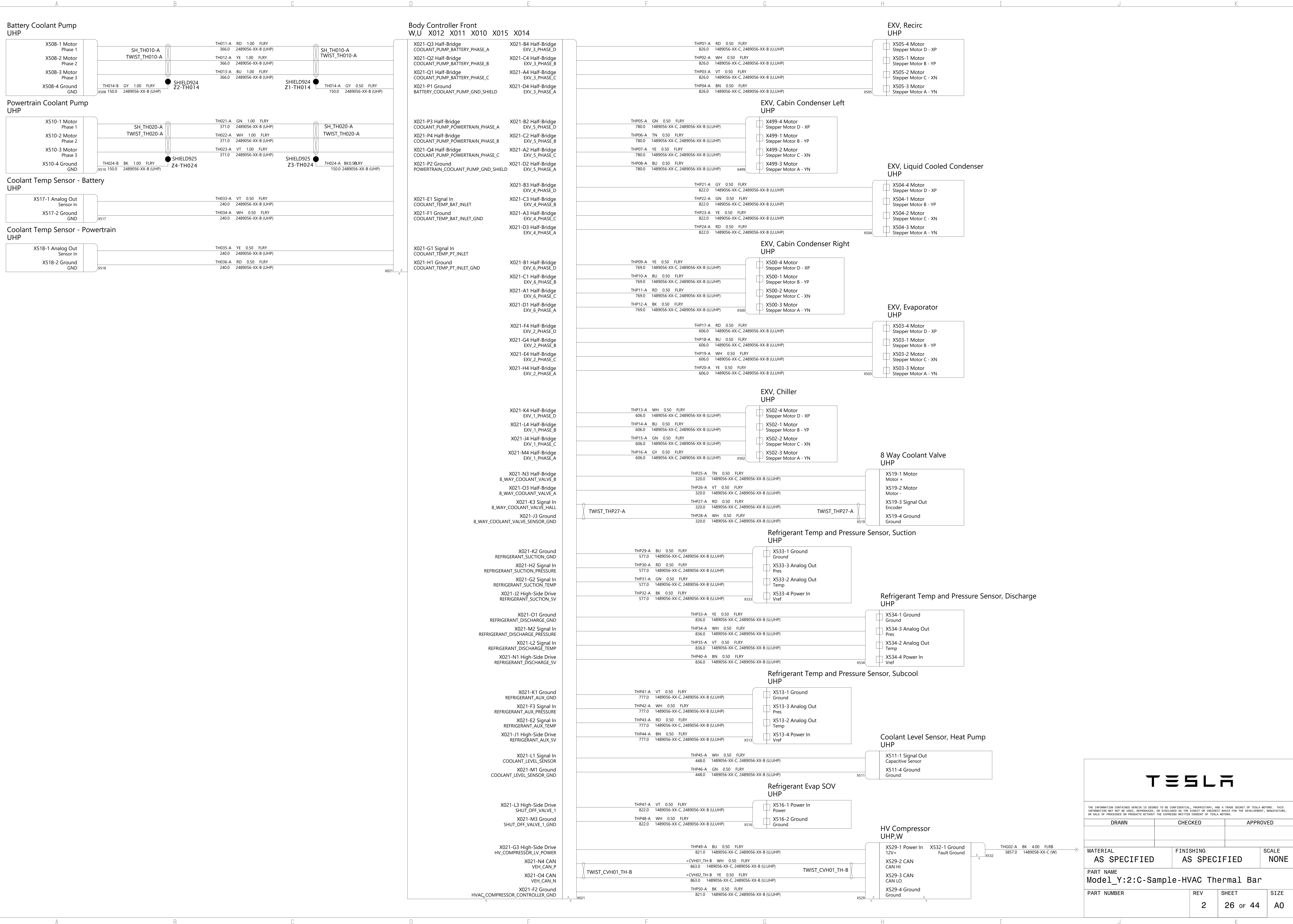
DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Model_Y:2:C-Sample-HV Penthouse		
PART NUMBER	REV 2	SHEET 24 of 44
		SIZE A0



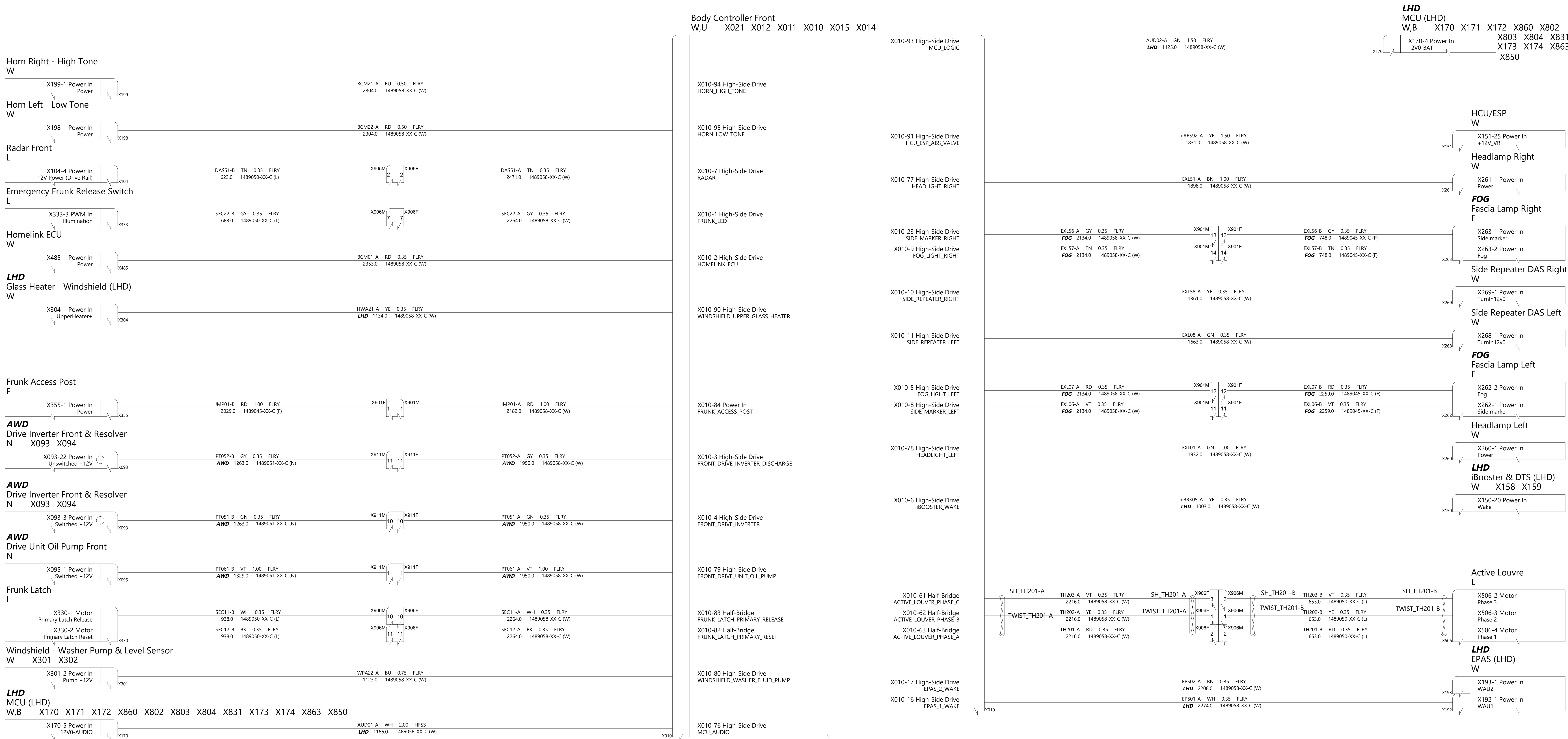
Upper duct thermistors moved to IP
harness with 1489040-XX-D
See Body Controllers Dashboard page



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DRAWN		CHECKED	
		APPROVED	
MATERIAL		FINISHING	
AS SPECIFIED		AS SPECIFIED	
		SCALE	
		NONE	
PART NAME			
Model_Y:2:Sample-HVAC Case			
PART NUMBER		REV	SHEET
		2	25 OF 44
			SIZE
			A0

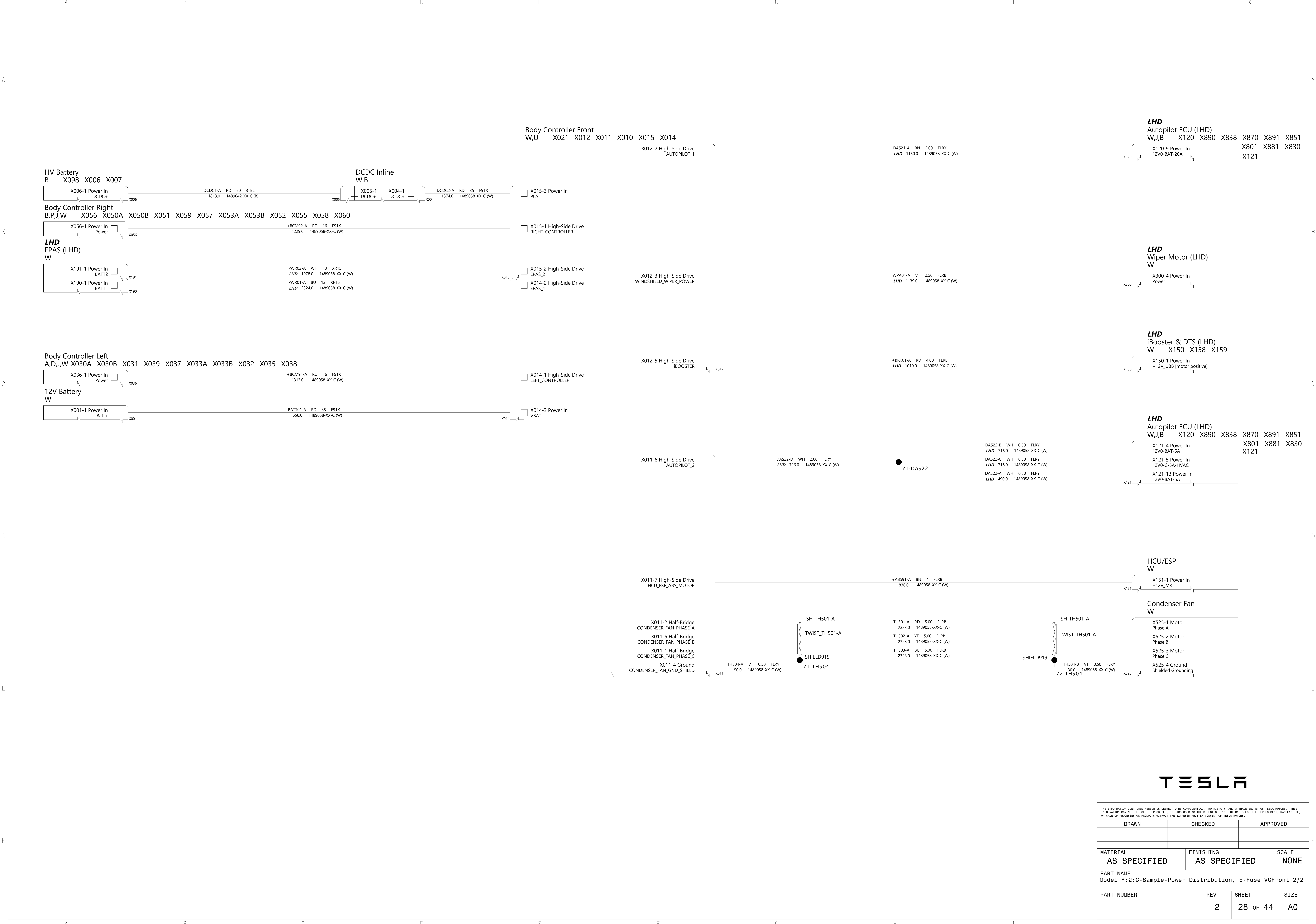


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DRAWN	CHECKED	APPROVED	
MATERIAL	FINISHING		SCALE
AS SPECIFIED	AS SPECIFIED		NONE
PART NAME			
Model_Y:2:C-Sample-HVAC Thermal Bar			
PART NUMBER	REV	SHEET	SIZE
	2	26 OF 44	A0



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DRAWN		CHECKED		APPROVED	
MATERIAL AS SPECIFIED		FINISHING AS SPECIFIED		SCALE NONE	
PART NAME Model_Y:2:C-Sample-Power Distribution, E-Fuse VCFront 1/2					
PART NUMBER		REV 2	SHEET 27 of 44		SIZE A0



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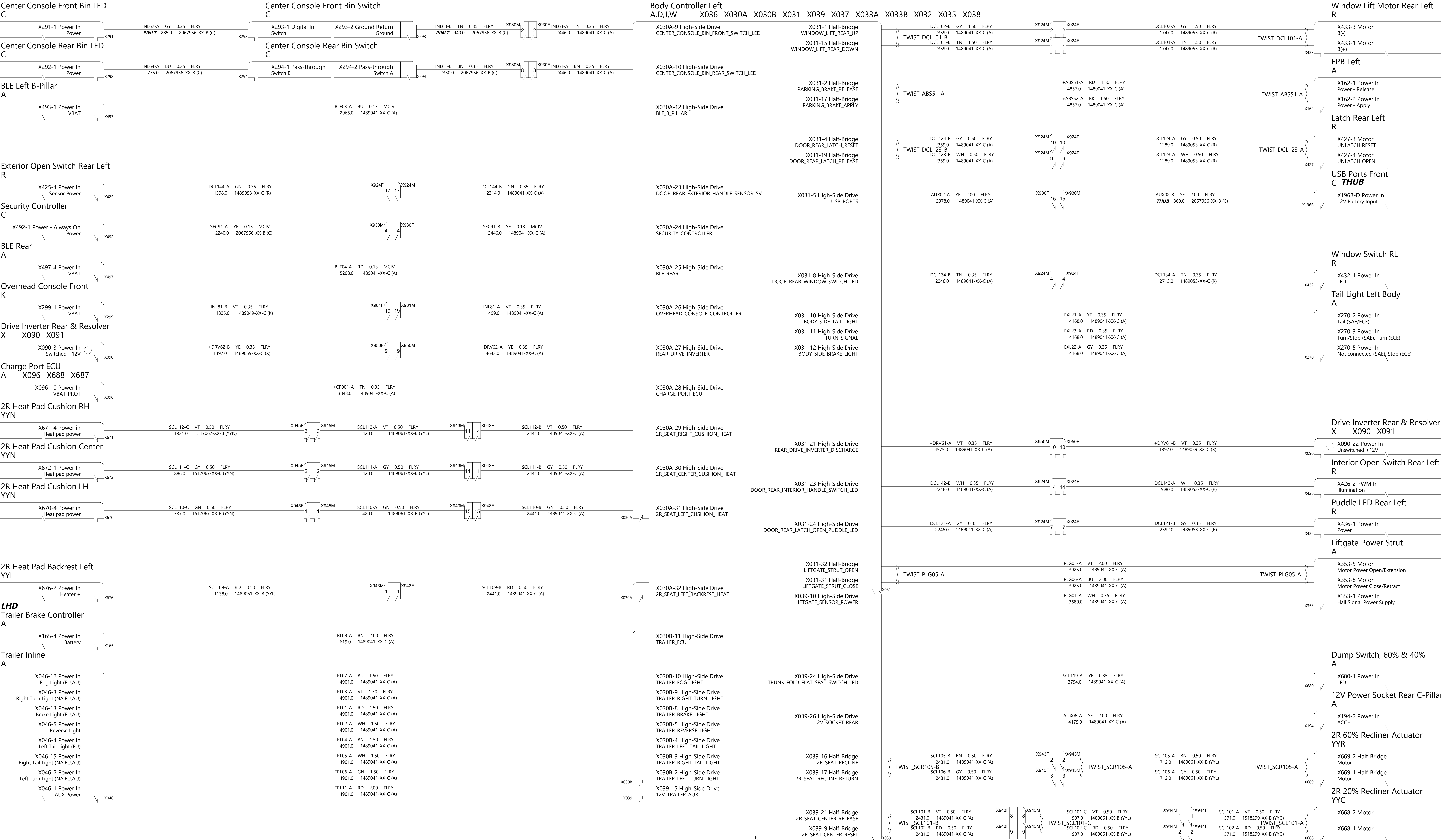
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DRAWN	CHECKED	APPROVED

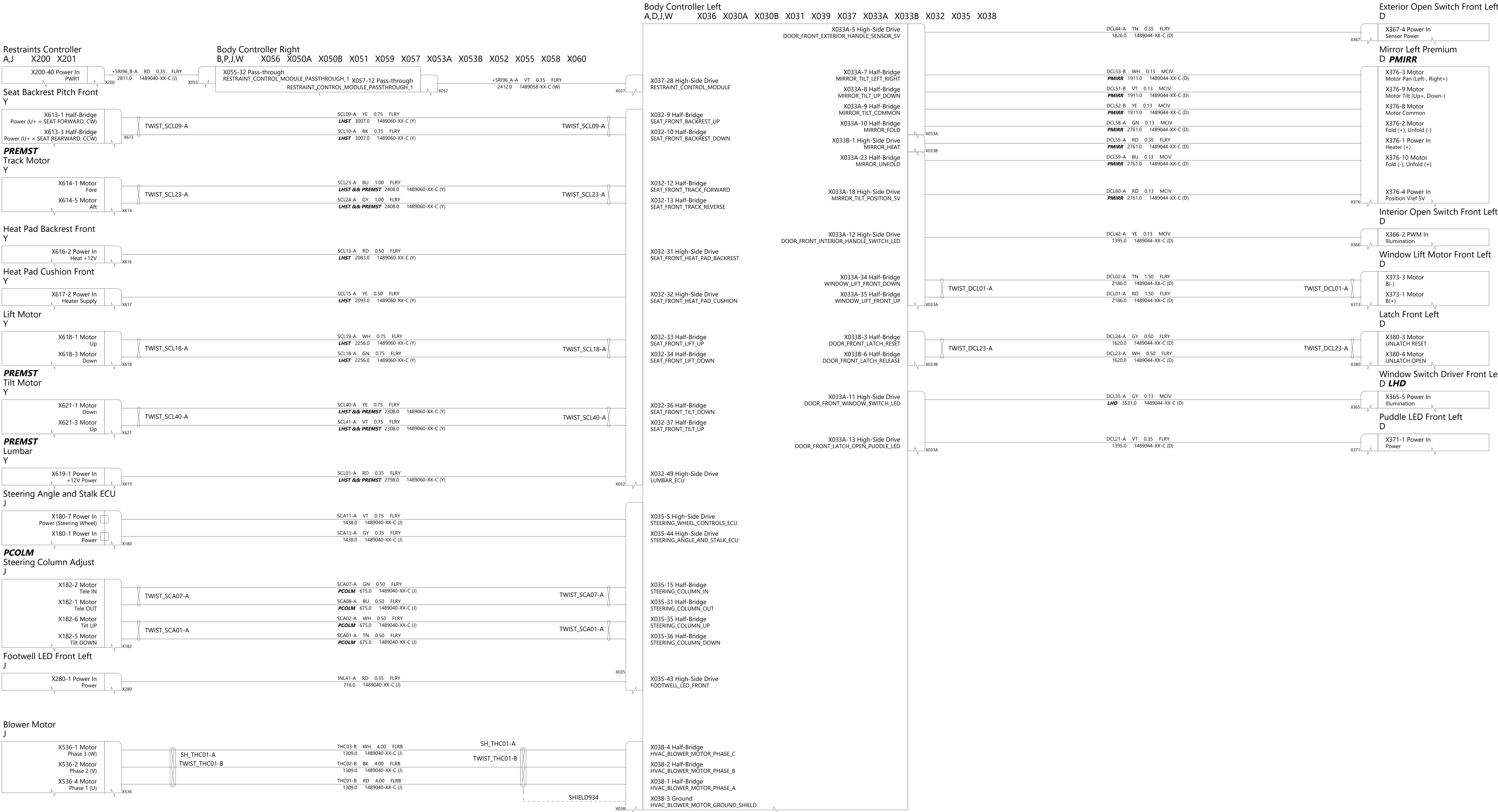
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Model_Y:2:C-Sample-Power Distribution, E-Fuse VCFront 2/2

PART NUMBER	REV	SHEET	SIZE
	2	28 of 44	A0



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DRAWN		CHECKED	
		APPROVED	
MATERIAL		FINISHING	
AS SPECIFIED		AS SPECIFIED	
		SCALE	
		NONE	
PART NAME			
Model_Y:2:C-Sample-Power Distribution, E-Fuse VCLeft 1/2			
PART NUMBER		REV	SHEET
		2	29 of 44
		SIZE	
		A0	



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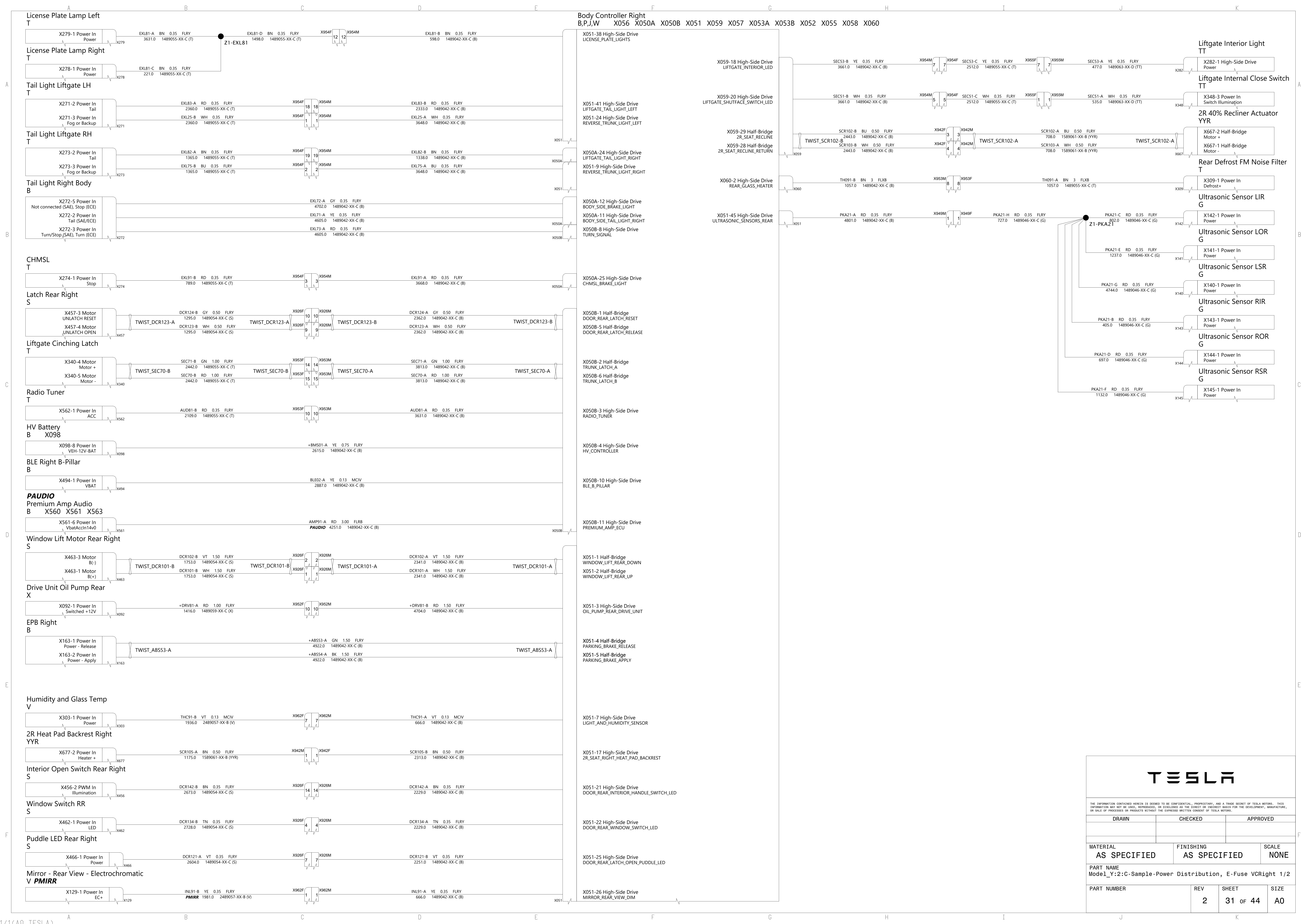
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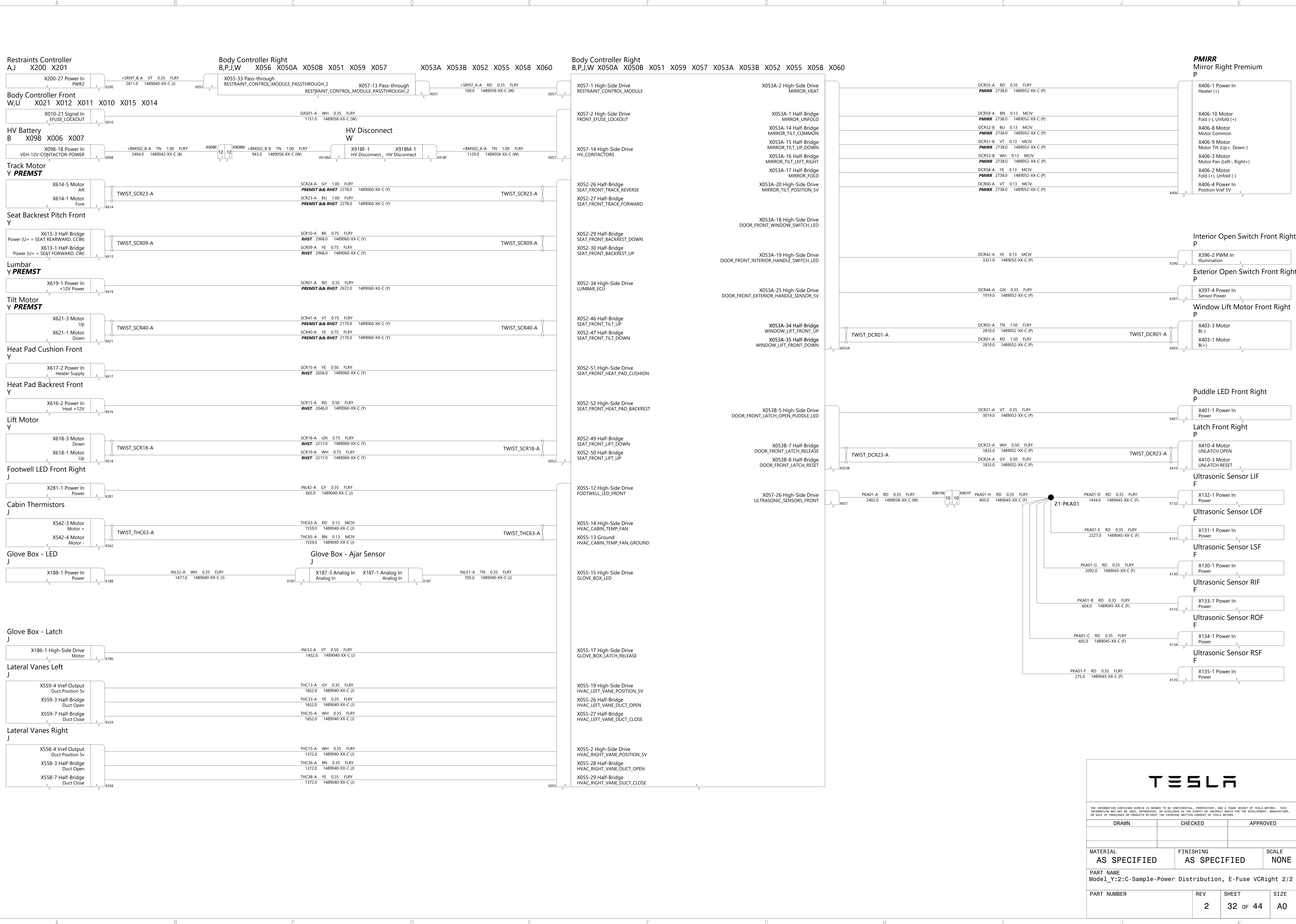
DRAWN	CHECKED	APPROVED

MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Model_Y:2:C-Sample-Power Distribution, E-Fuse VCLeft 2/2

PART NUMBER	REV	SHEET	SIZE
	2	30 of 44	A0





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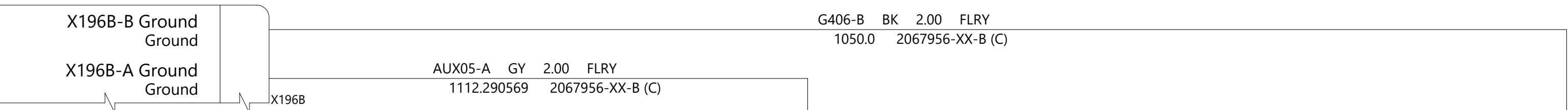
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Model_Y:2:C-Sample-Power Distribution, E-Fuse VCRight 2/2

PART NUMBER	REV	SHEET	SIZE
	2	32 of 44	A0

THUB
USB Ports Front
C



THUB
USB Ports Rear
C



Center Console Rear Bin LED
C



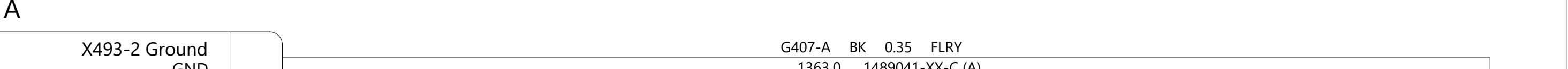
Center Console Front Bin LED
C



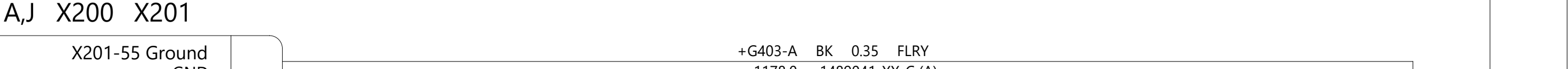
Security Controller
C



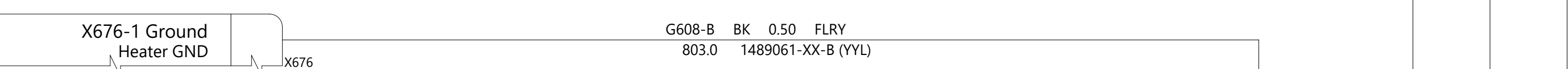
BLE Left B-Pillar
A



Restraints Controller
A,J X200 X201



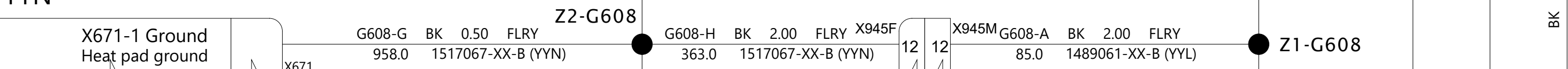
2R Heat Pad Backrest Left
YYL



2R Heat Pad Cushion LH
YYN



2R Heat Pad Cushion RH
YYN



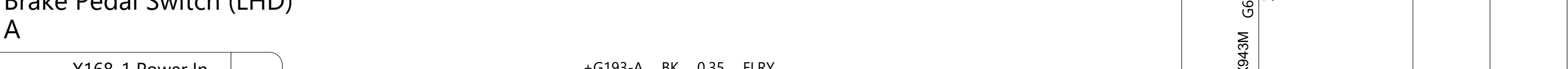
2R Heat Pad Cushion Center
YYN



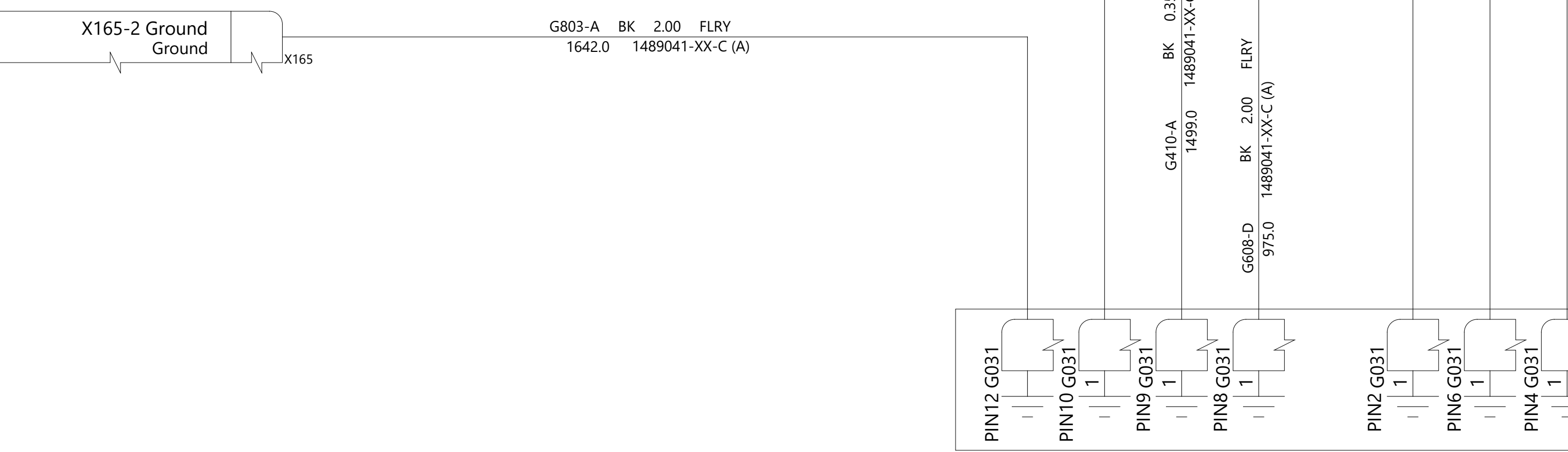
Overhead Console Front
K



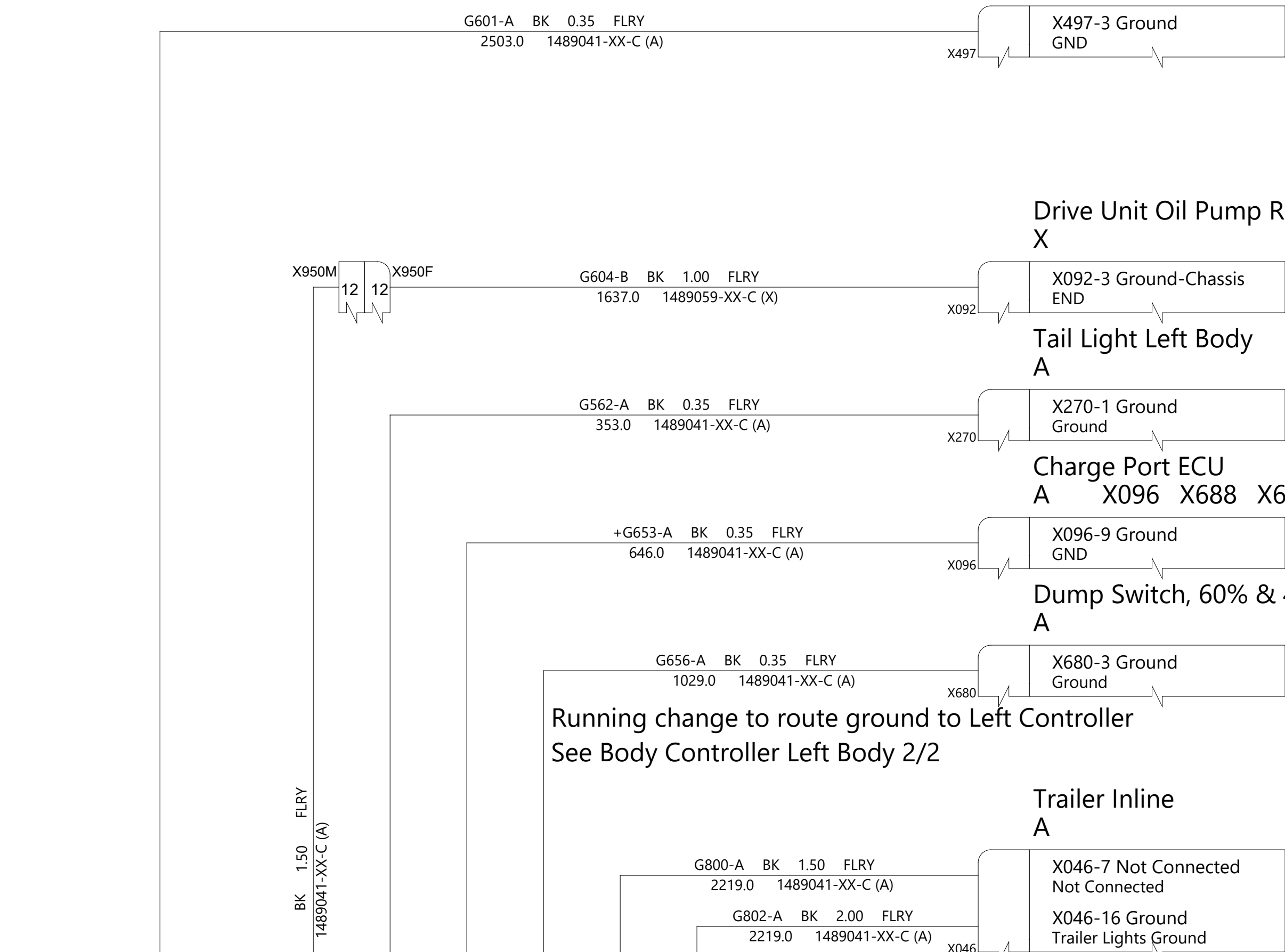
LHD
Brake Pedal Switch (LHD)
A



LHD
Trailer Brake Controller
A

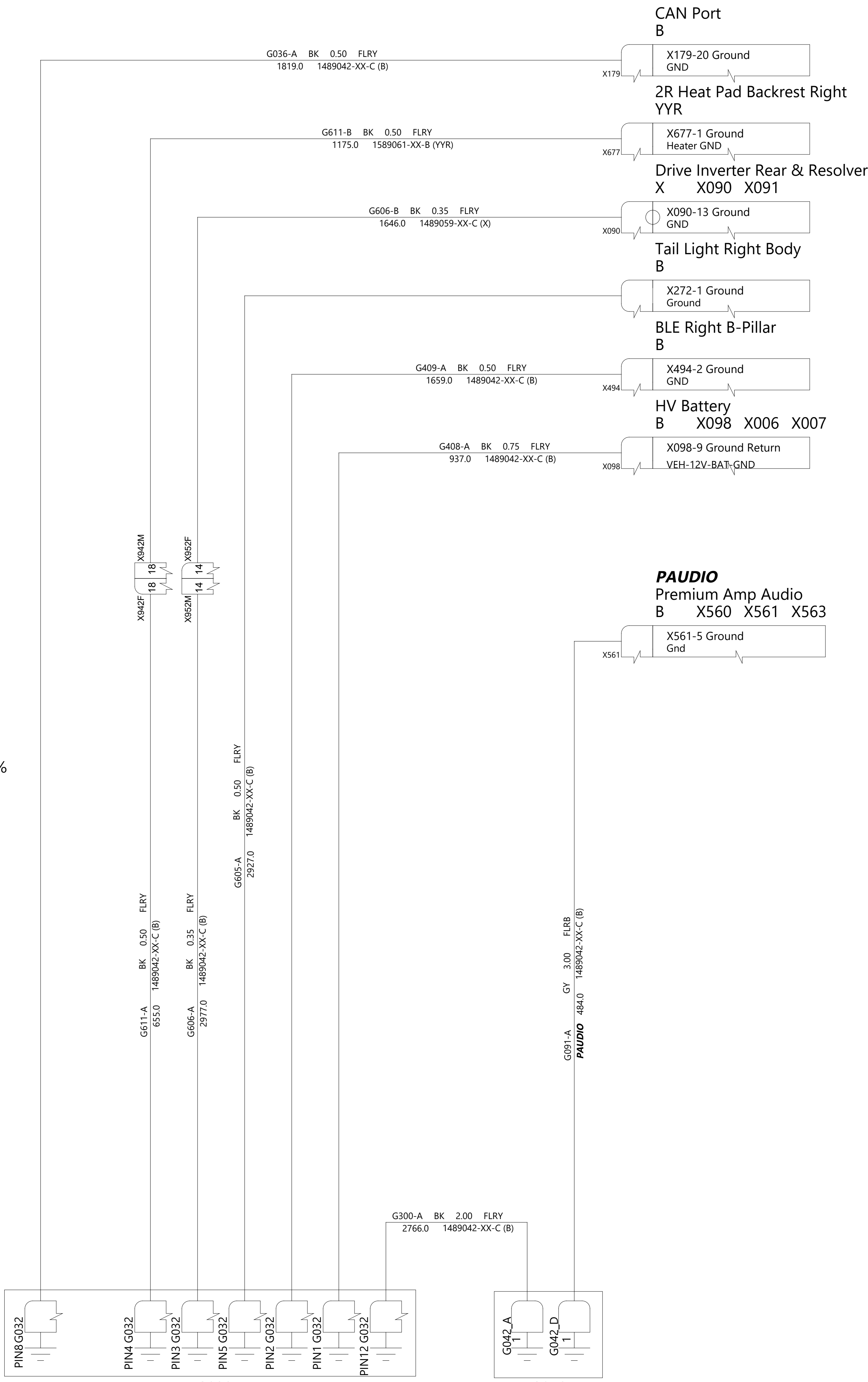
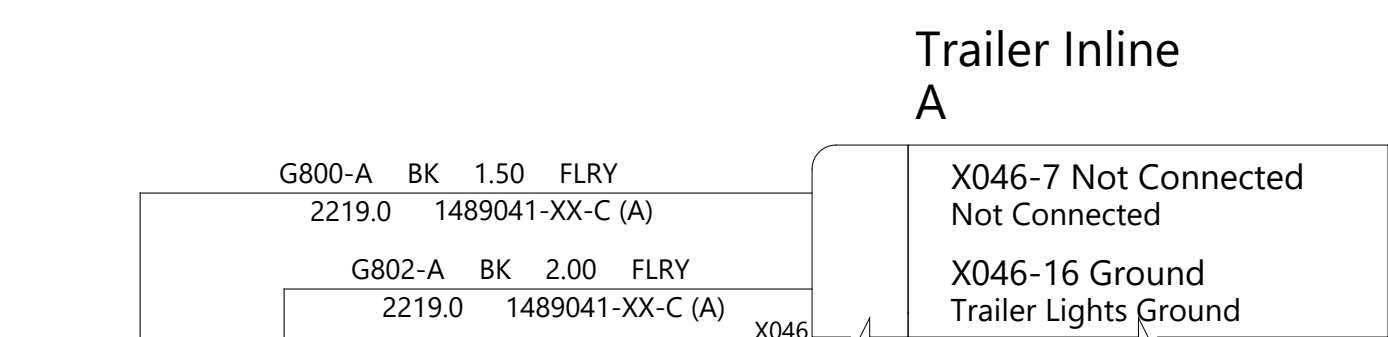


G031



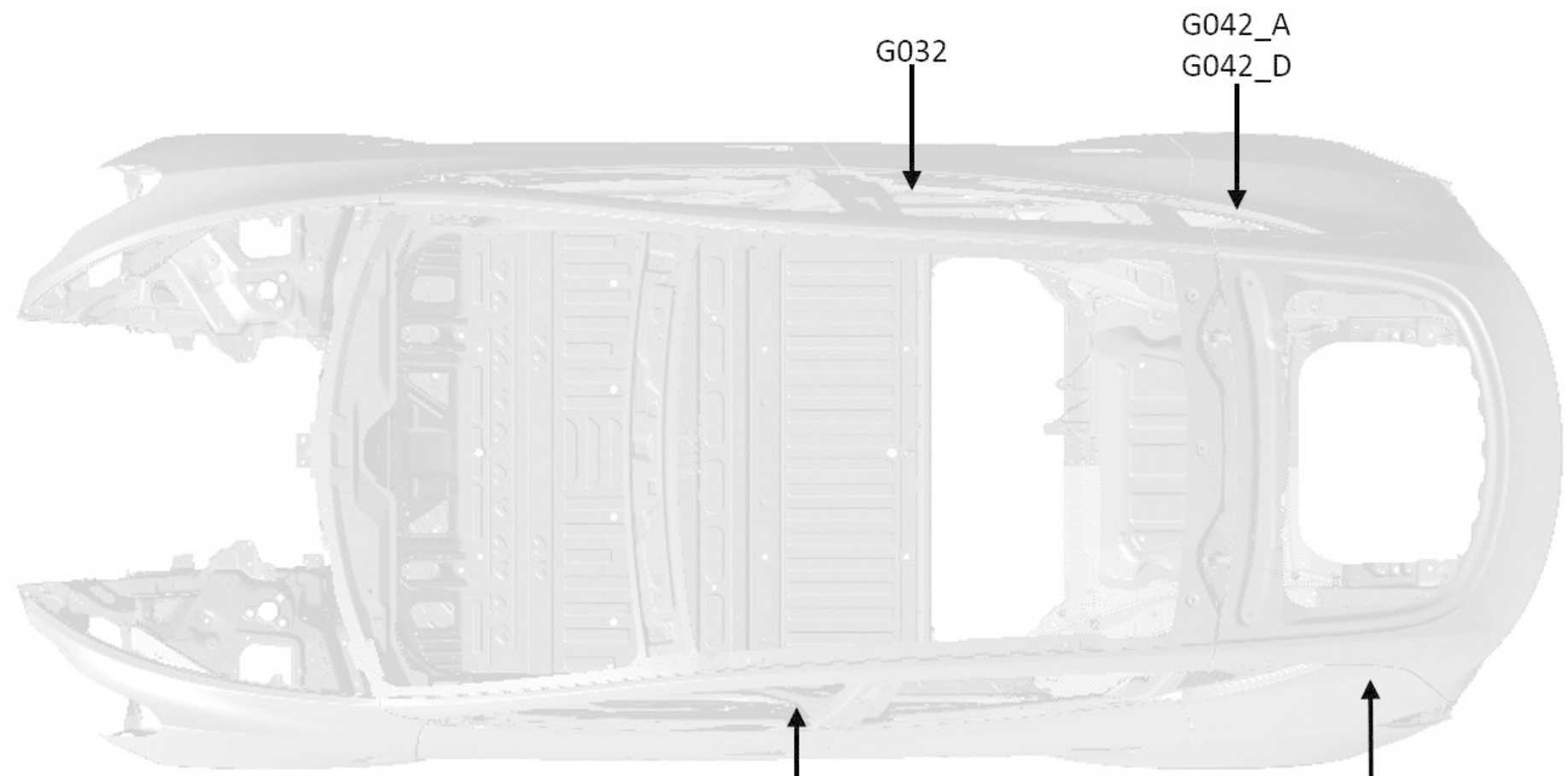
G041

Running change to route ground to Left Controller
See Body Controller Left Body 2/2



G032

G042



G031

G031_E

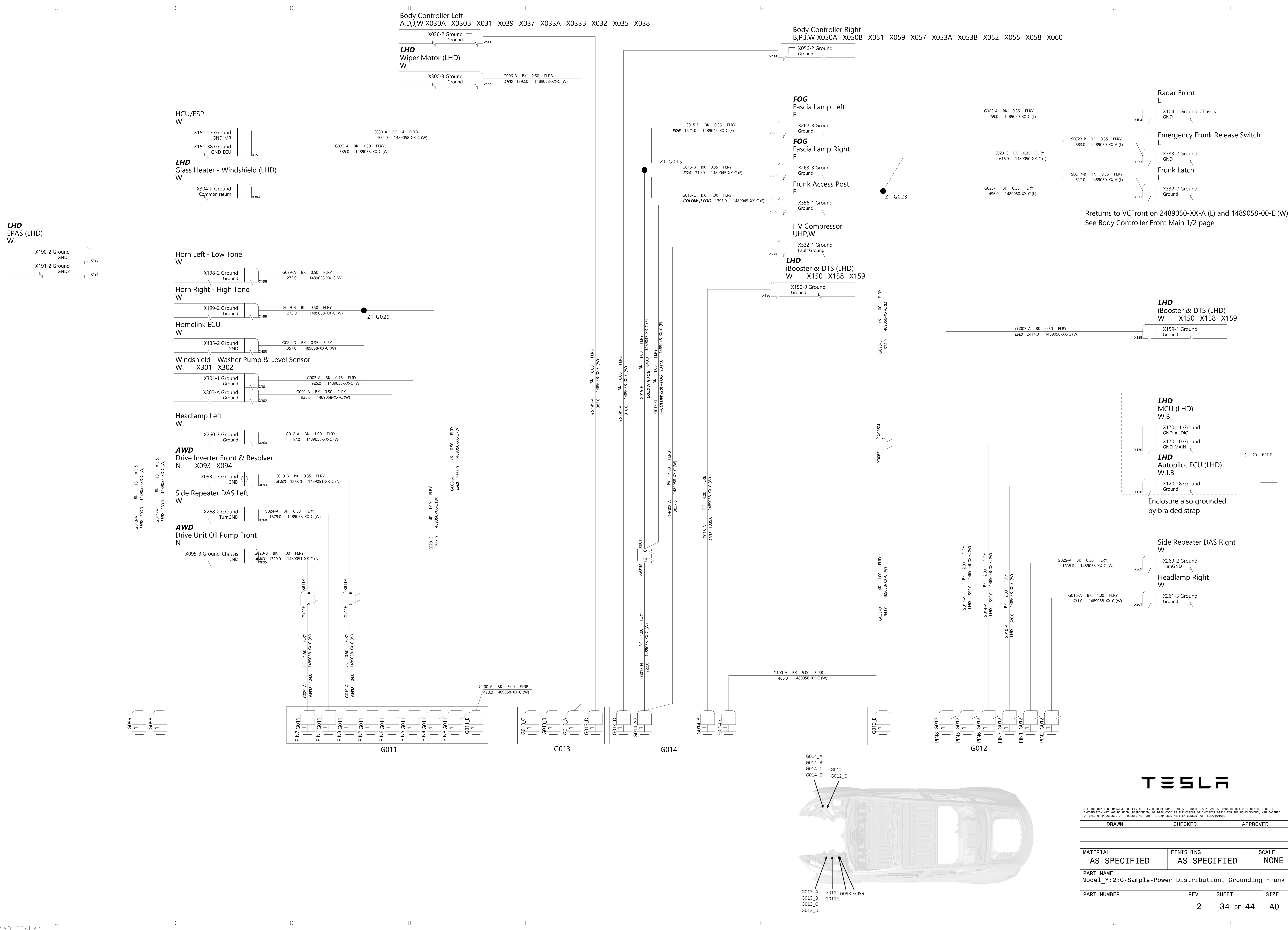
G041

G041_E

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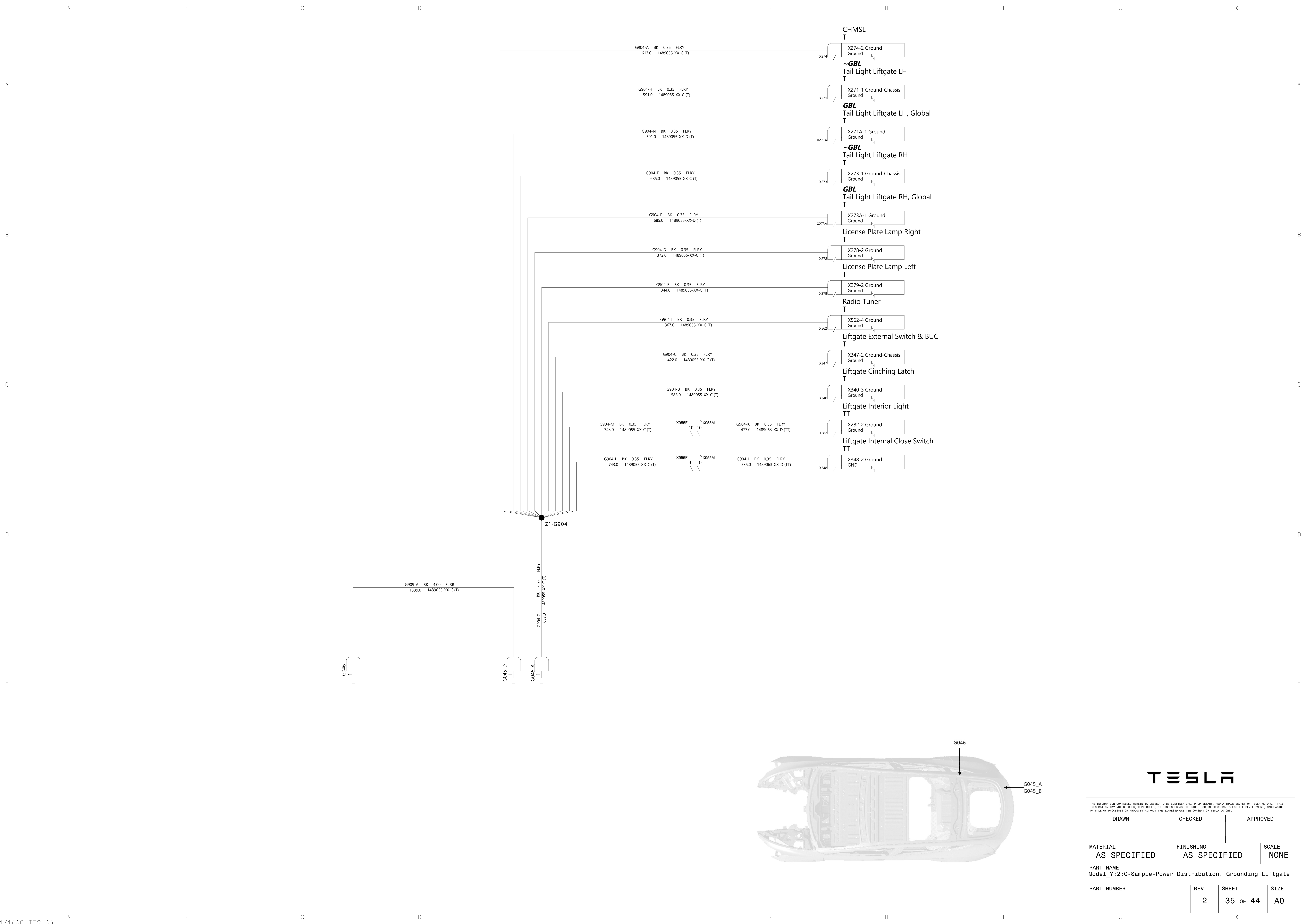
DRAWN	CHECKED	APPROVED
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
PART NAME Model_Y:2:C-Sample-Power Distribution, Grounding Cabin		
PART NUMBER	REV 2	SHEET 33 of 44
		SIZE A0



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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED		SCALE NONE
PART NAME Model_Y:2:C-Sample-Power Distribution, Grounding Frunk			
PART NUMBER	REV 2	SHEET 34 OF 44	SIZE A0



TESLA

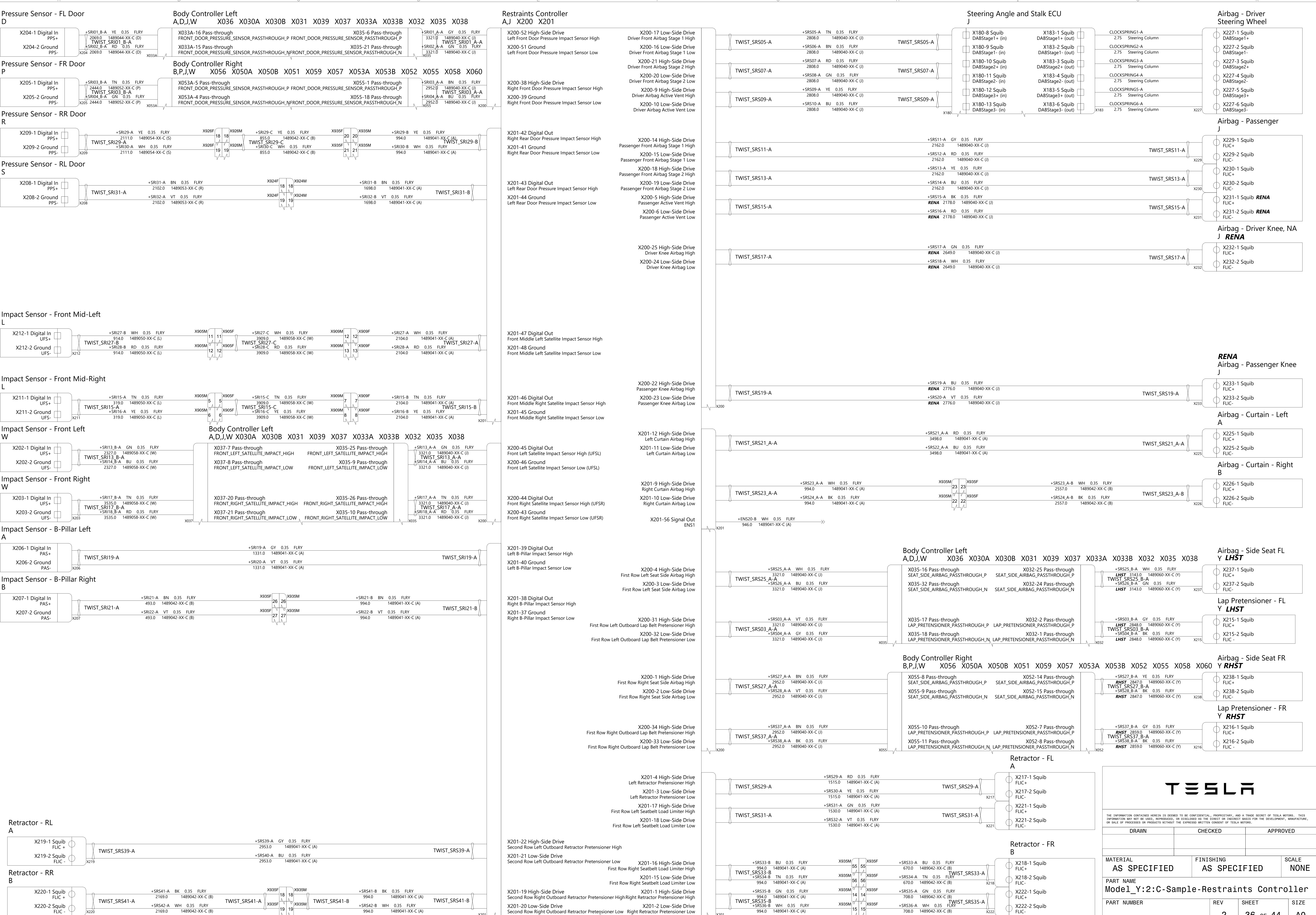
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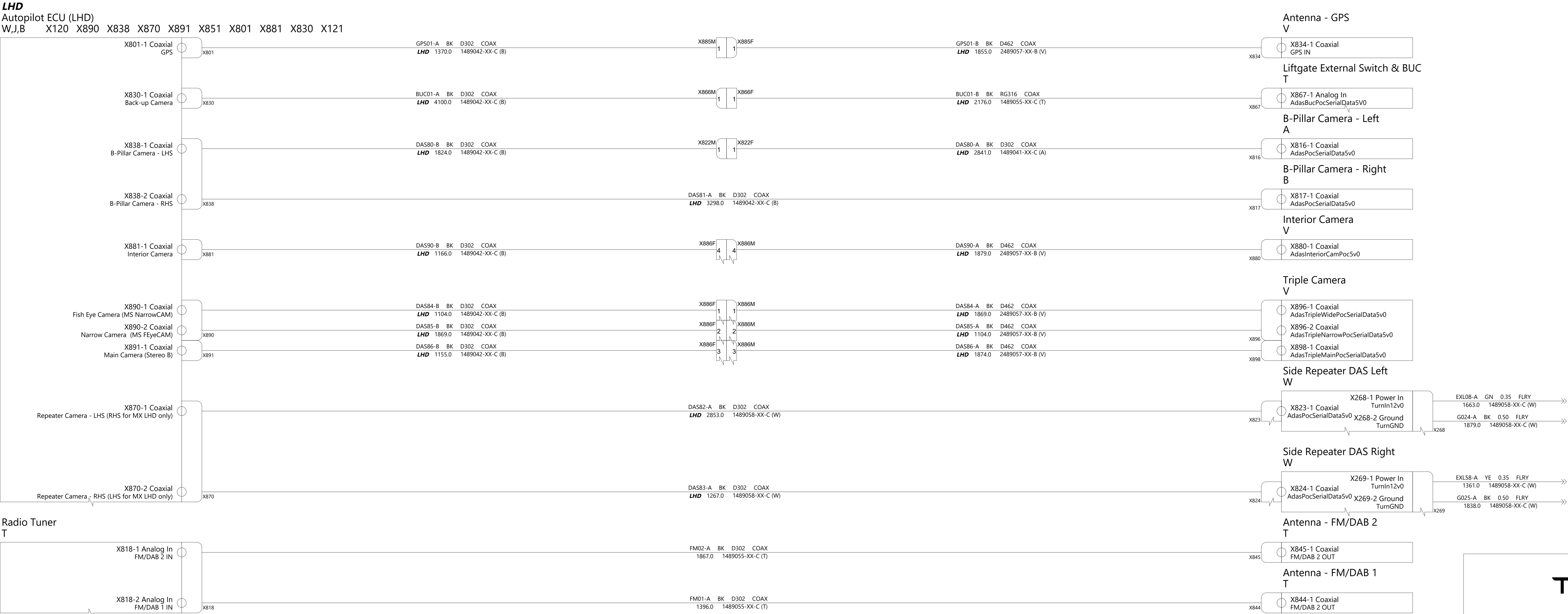
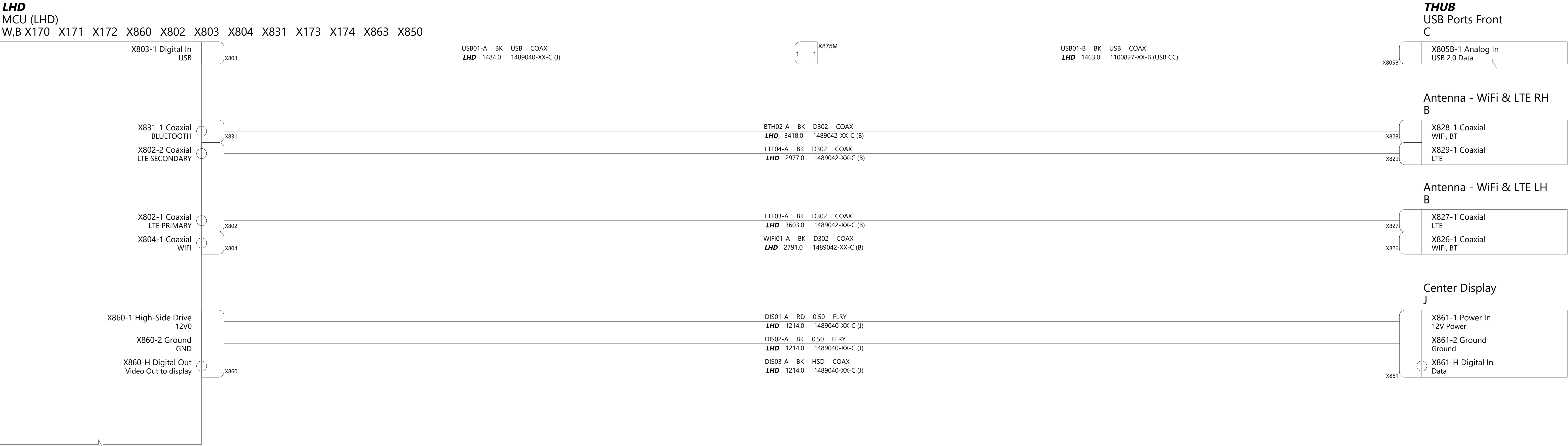
DRAWN	CHECKED	APPROVED

MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Model_Y:2:C-Sample-Power Distribution, Grounding Liftgate

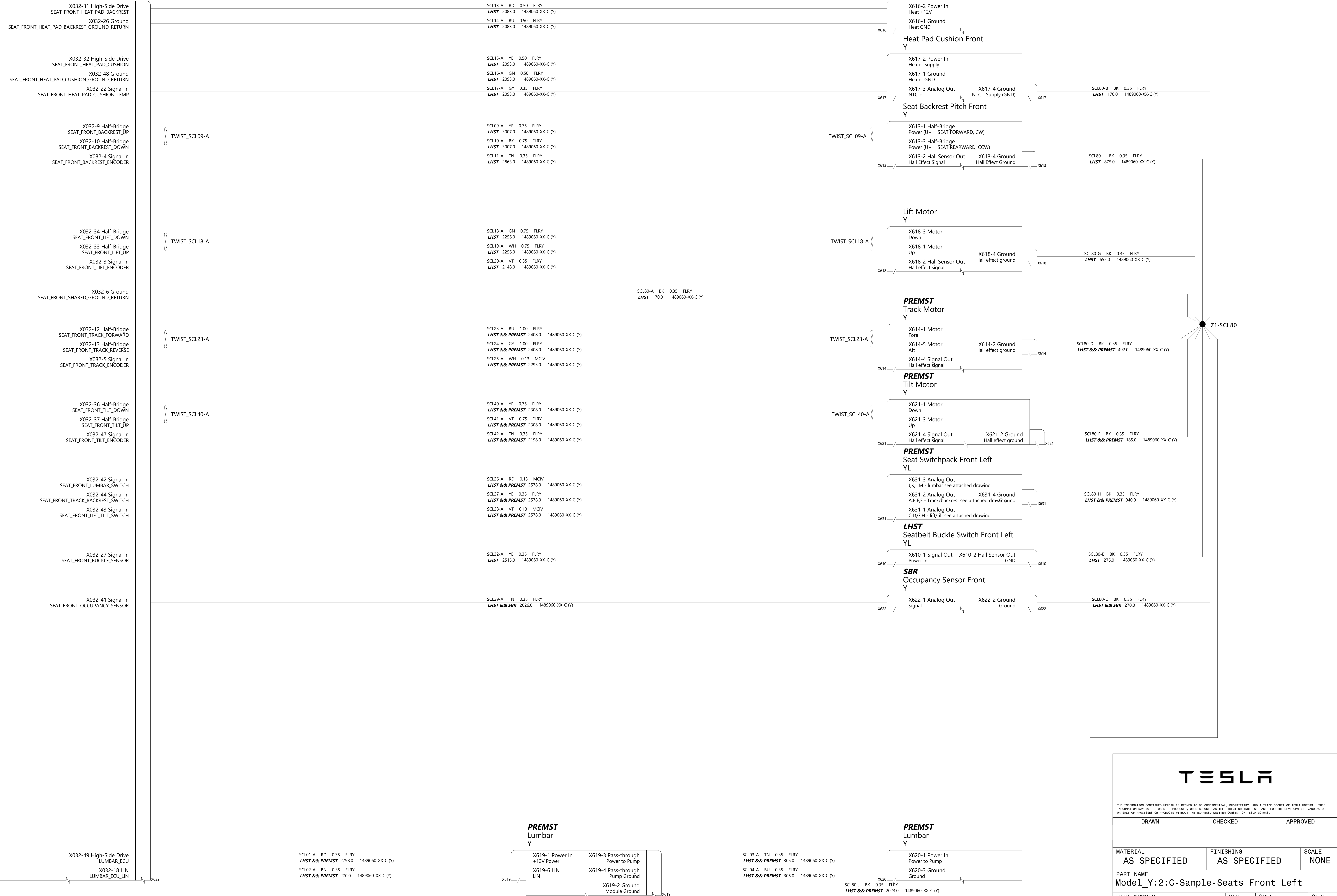
PART NUMBER	REV	SHEET	SIZE
	2	35 of 44	A0





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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE	
PART NAME Model_Y:2:C-Sample-RF/Special Cables			
PART NUMBER	REV 2	SHEET 37 OF 44	SIZE A0

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



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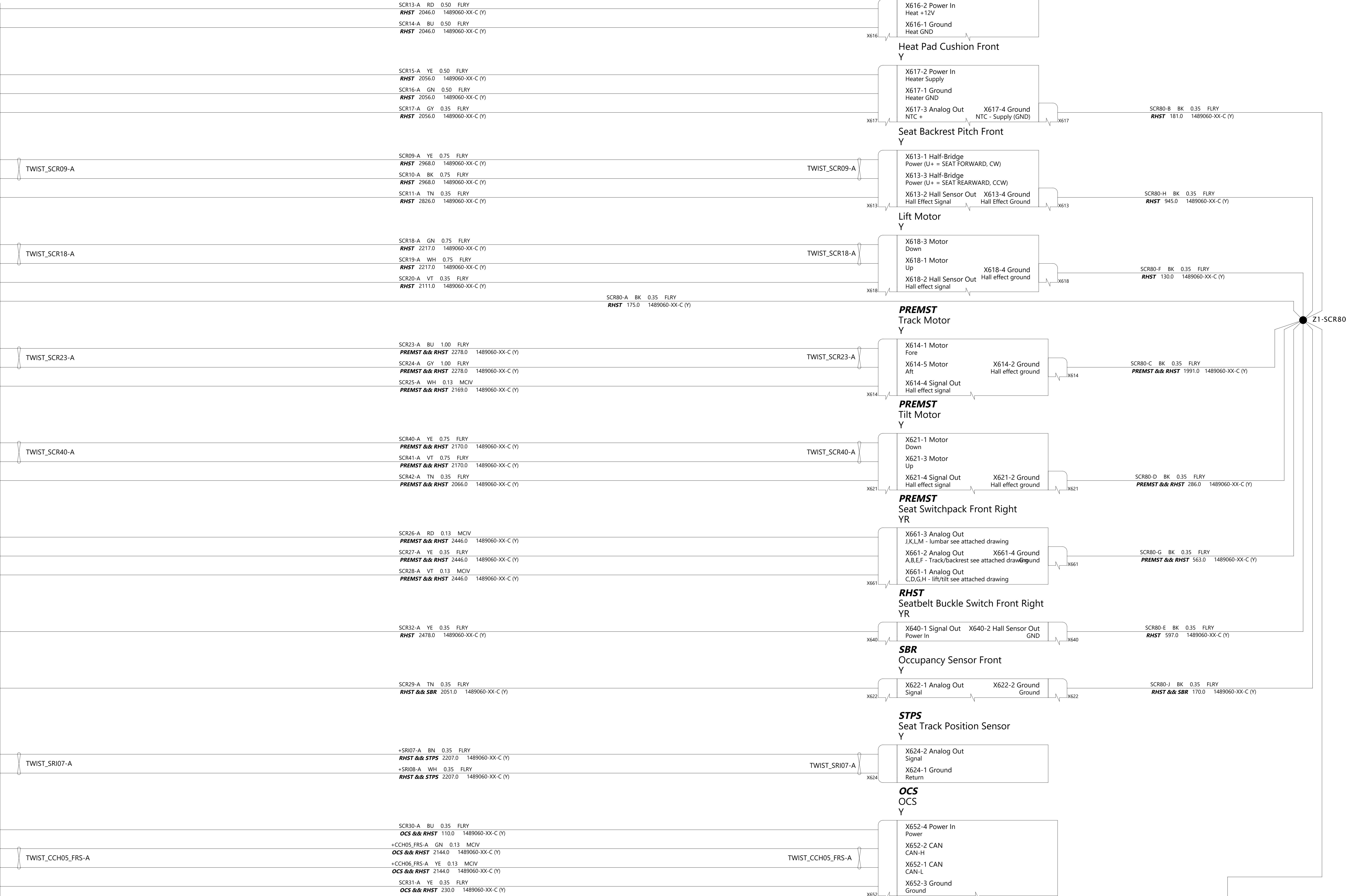
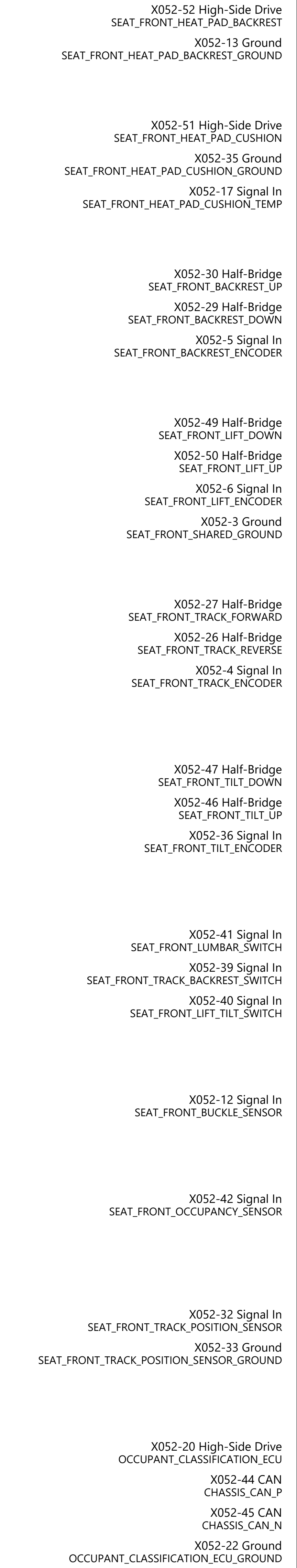
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Model_Y:2:C-Sample-Seats Front Left

PART NUMBER	REV	SHEET	SIZE
	2	38 of 44	A0

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



Heat Pad Backrest Front
Y

Heat Pad Cushion Front
Y

Seat Backrest Pitch Front
Y

Lift Motor
Y

PREMST
Track Motor
Y

PREMST
Tilt Motor
Y

PREMST
Seat Switchpack Front Right
YR

RHST
Seatbelt Buckle Switch Front Right
YR

SBR
Occupancy Sensor Front
Y

STPS
Seat Track Position Sensor
Y

OCS
OCS
Y

PREMST
Lumbar
Y

PREMST
Lumbar
Y

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DRAWN	CHECKED	APPROVED

MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME Model_Y:2:C-Sample-Seats Front Right

PART NUMBER	REV 2	SHEET 39 of 44	SIZE A0
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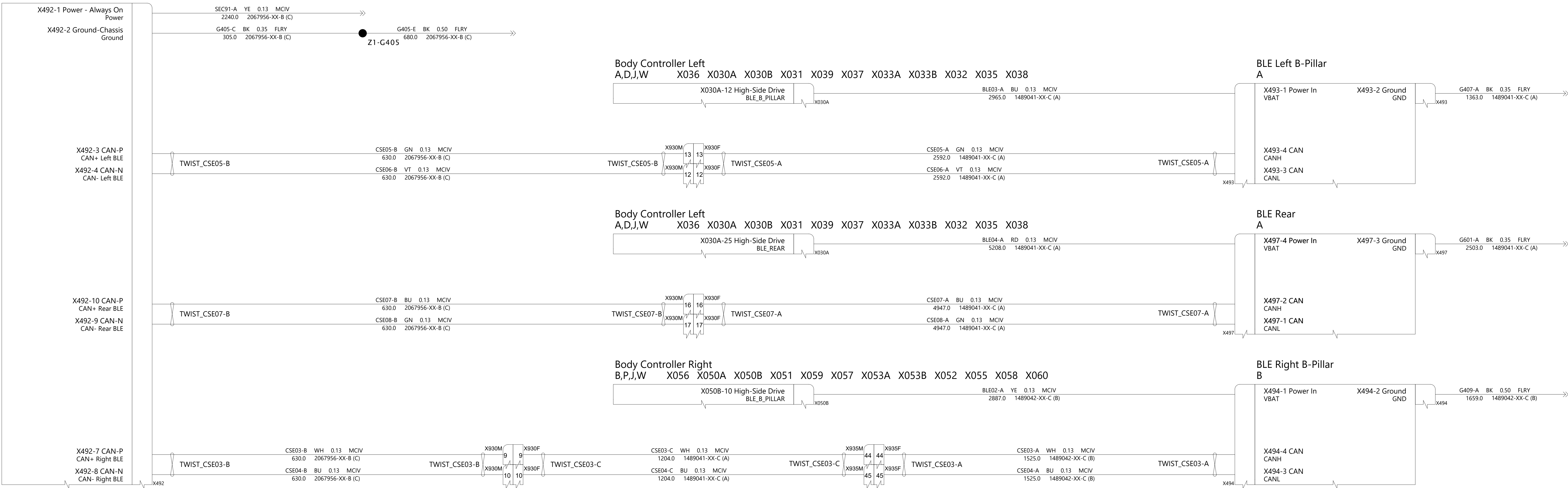
DRAWN	CHECKED	APPROVED

MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
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PART NAME
Model_Y:2:C-Sample-Seats Second Row

PART NUMBER	REV	SHEET	SIZE
	2	40 of 44	A0

Security Controller
C



TESLA

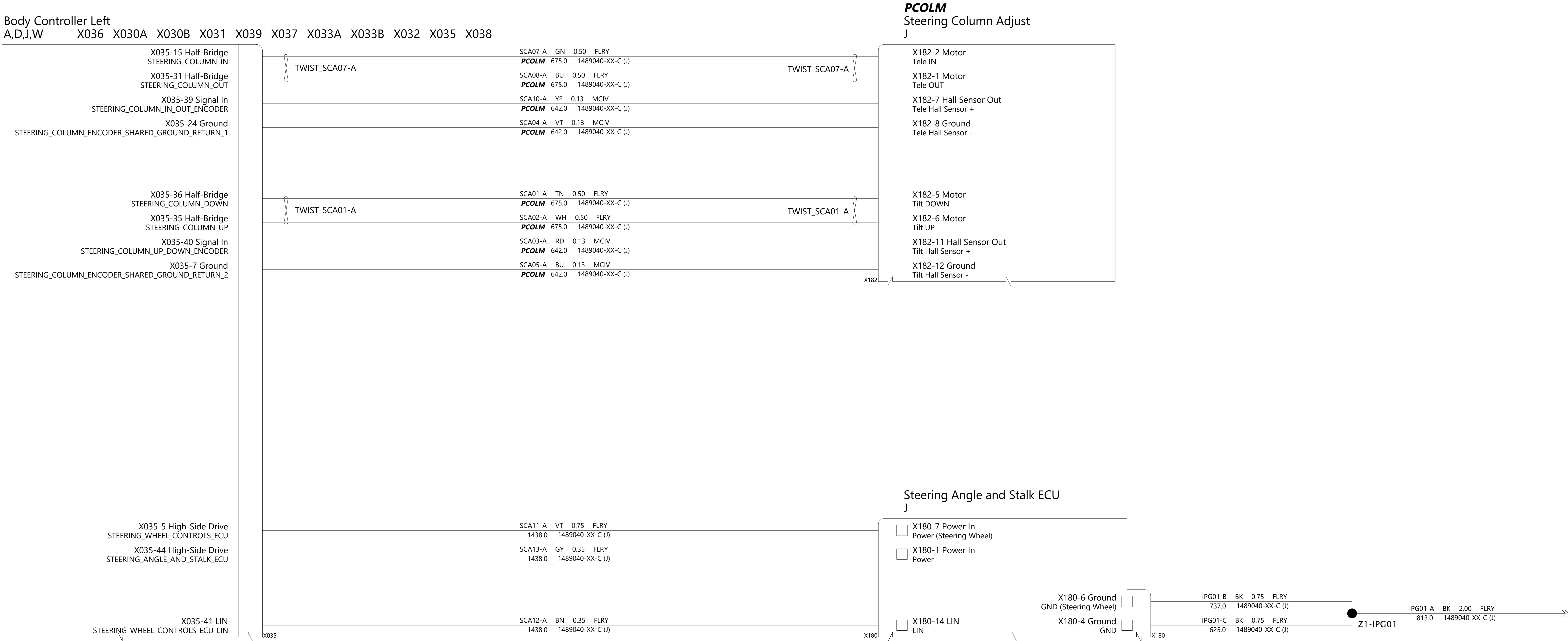
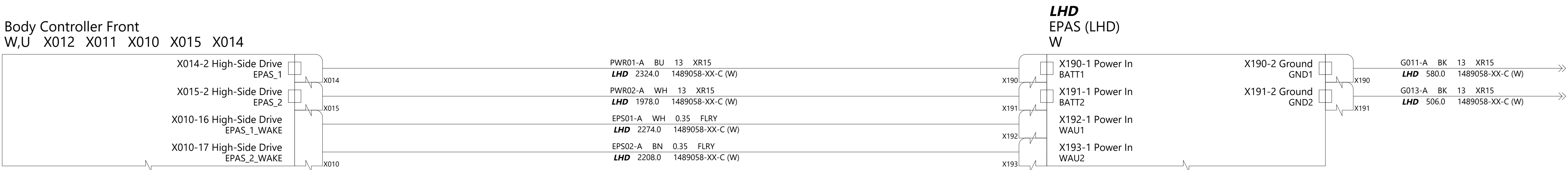
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DRAWN	CHECKED	APPROVED

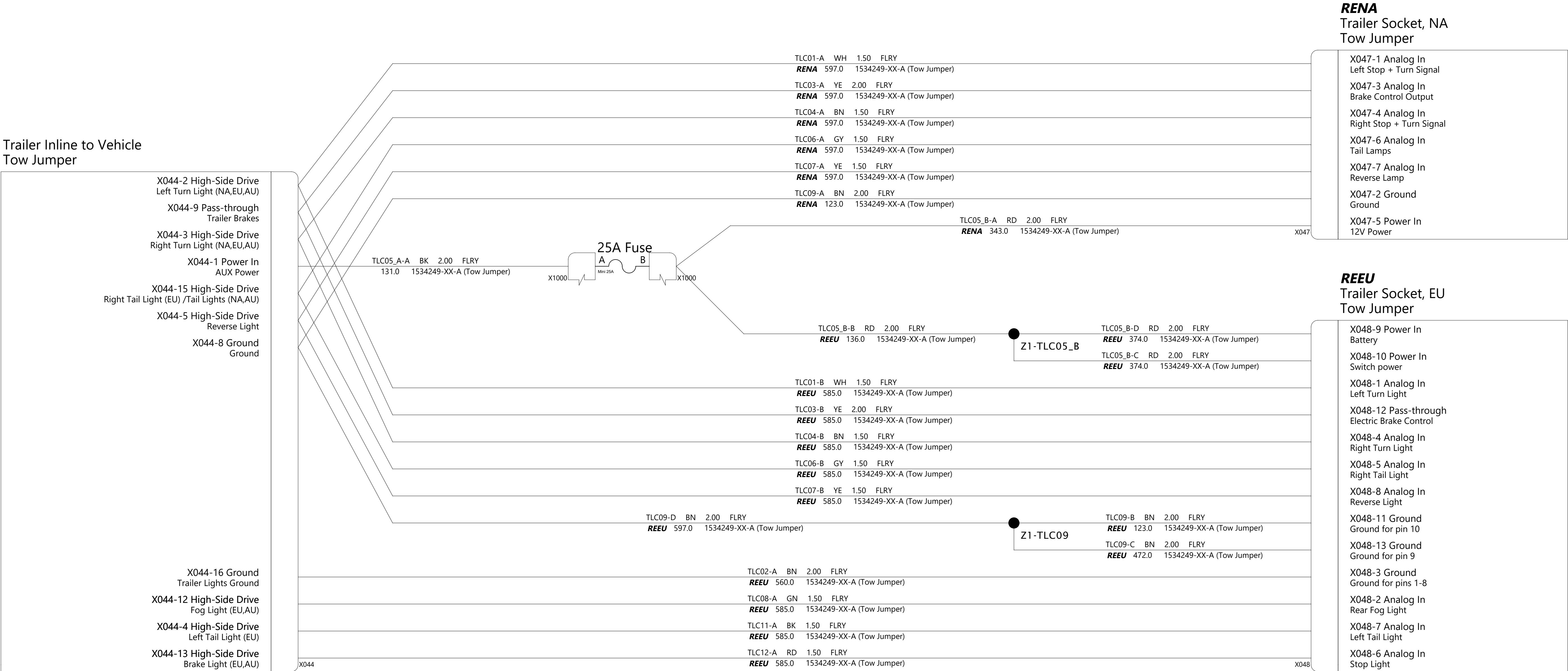
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE
--------------------------	---------------------------	---------------

PART NAME
Model_Y:2:C-Sample-Security Controls

PART NUMBER	REV	SHEET	SIZE
	2	41 of 44	A0



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DRAWN	CHECKED	APPROVED	
MATERIAL AS SPECIFIED	FINISHING AS SPECIFIED	SCALE NONE	
PART NAME Model_Y:2:C-Sample-Steering			
PART NUMBER	REV 2	SHEET 42 OF 44	SIZE A0



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

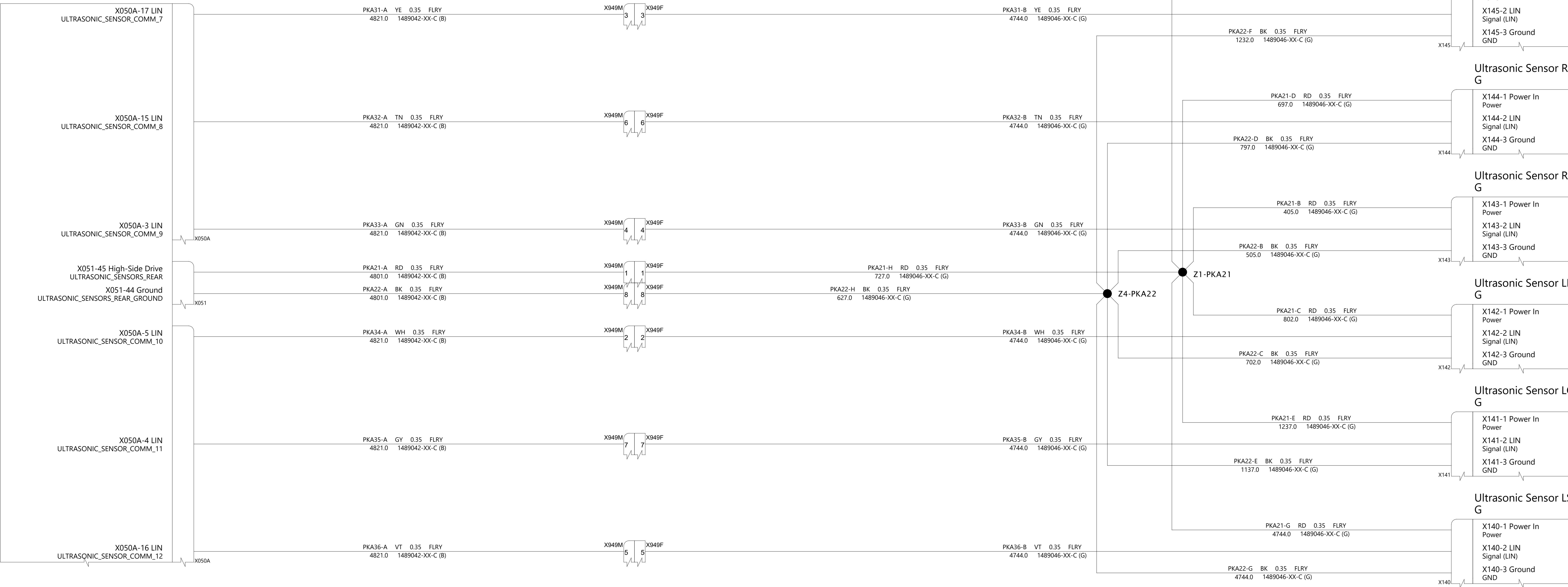
PART NAME
Model_Y:2:C-Sample-Tow Jumper

PART NUMBER	REV	SHEET	SIZE
	2	43 of 44	A0

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



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



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DRAWN		CHECKED	
APPROVED			
MATERIAL		FINISHING	
AS SPECIFIED		AS SPECIFIED	
		SCALE	
		NONE	
PART NAME			
Model_Y:2:C-Sample-Ultrasonics			
PART NUMBER		REV	
		2	
		SHEET	
		44 of 44	
		SIZE	
		A0	