Page	Description
1	Audio
2	Body Controller Front J1, J2
3	Body Controller Front J3, Cables
4	Body Controller Front J4
5	Body Controller Left J1
6	Body Controller Left J2, OHC
7	Body Controller Right J1
8	Body Controller Right J2, J5
9	Body Controllerer Dashboard
10	Brake Controls
11	CAN Chassis
12	CAN Party
13	CAN Vehicle
14	Door Front Left
15	Door Front Right
16	Door Rear
17	Drive Inverters
18	Driver Assistance
19	HV Battery & HVIL
20	HV Penthouse
21	HVAC Case Subassembly
22	HVAC Thermal Subassembly
23	Restraints Airbags
24	RF/Special Cables
25	Seats Front Left
26	Seats Front Right
27	Security Controls
28	Steering
29	Ultrasonics
30	Power Distribution, E-Fuse VCFront, J1-J4
31	Power Distribution, E-Fuse VCFront, J5-J12
32	Power Distribution, E-Fuse VCLeft, J1-J3
33	Power Distribution, E-Fuse VCLeft, J4-J9
34	Power Distribution, E-Fuse VCRight, J1-J3
35	Power Distribution, E-Fuse VCRight, J4-J9
36	Power Distribution, Grounding A,B,C Pillars
37	Power Distribution, Grounding Frunk
38	Power Distribution, Grounding Trunk

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

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

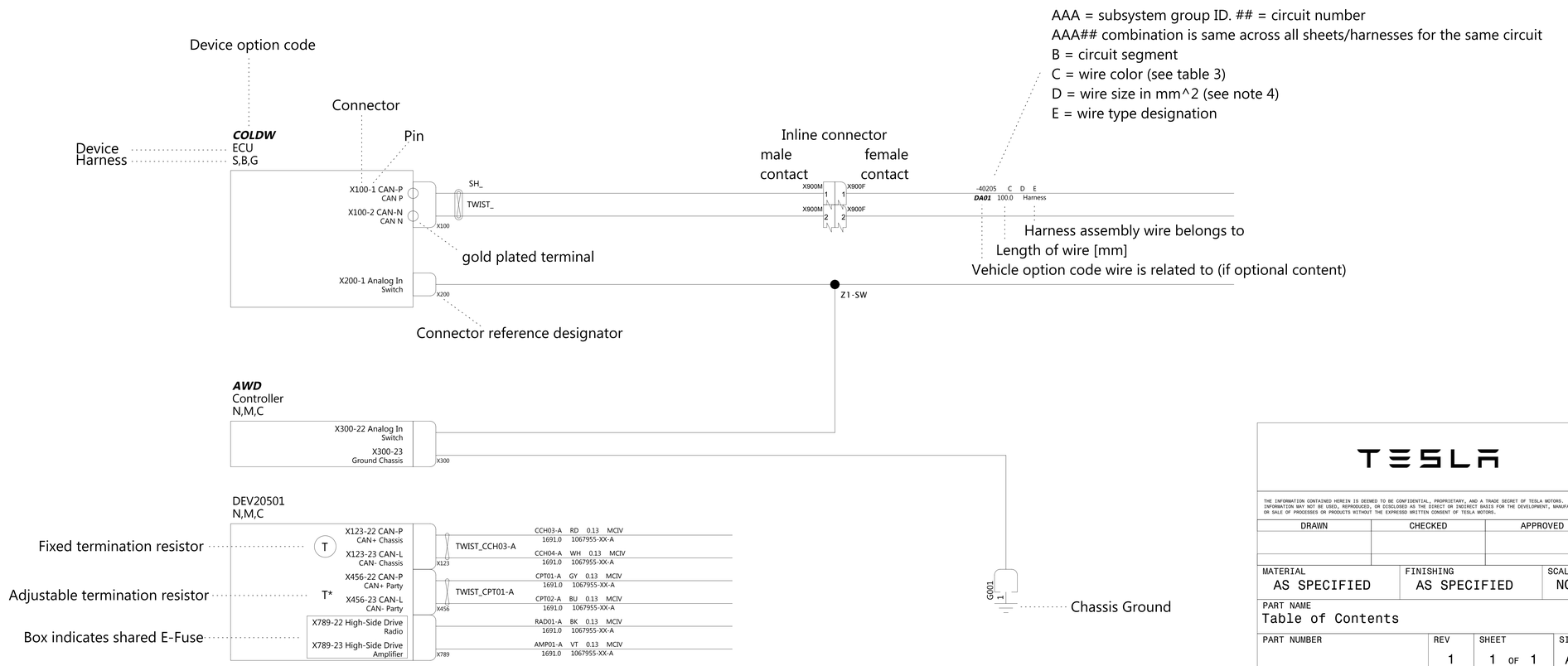
○ GOLD TERMINAL NECESSARY

□ 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

Table 5: Option Codes

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



TESLA

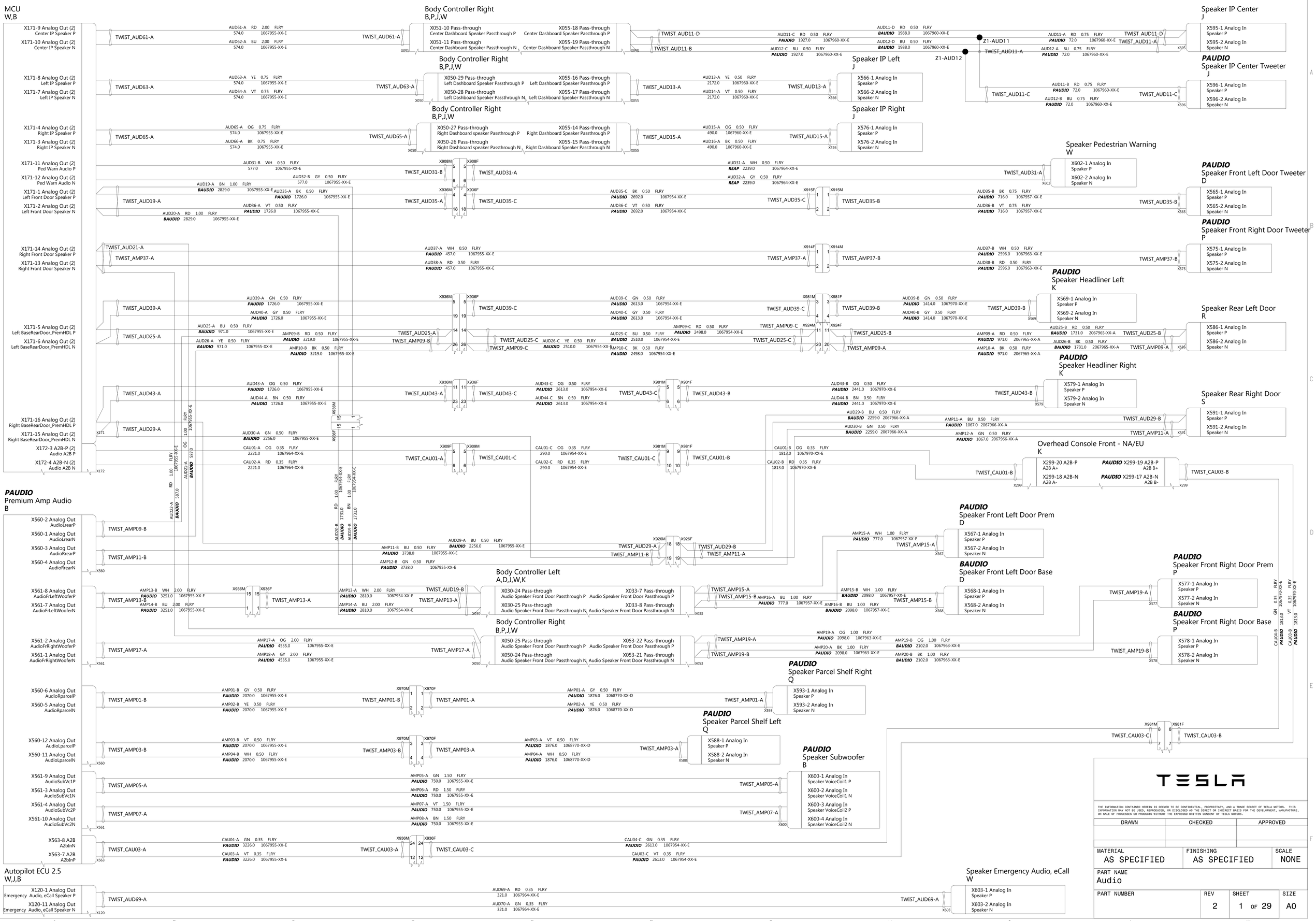
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Table of Contents

PART NUMBER	REV	SHEET	SIZE
	1	1 OF 1	A0



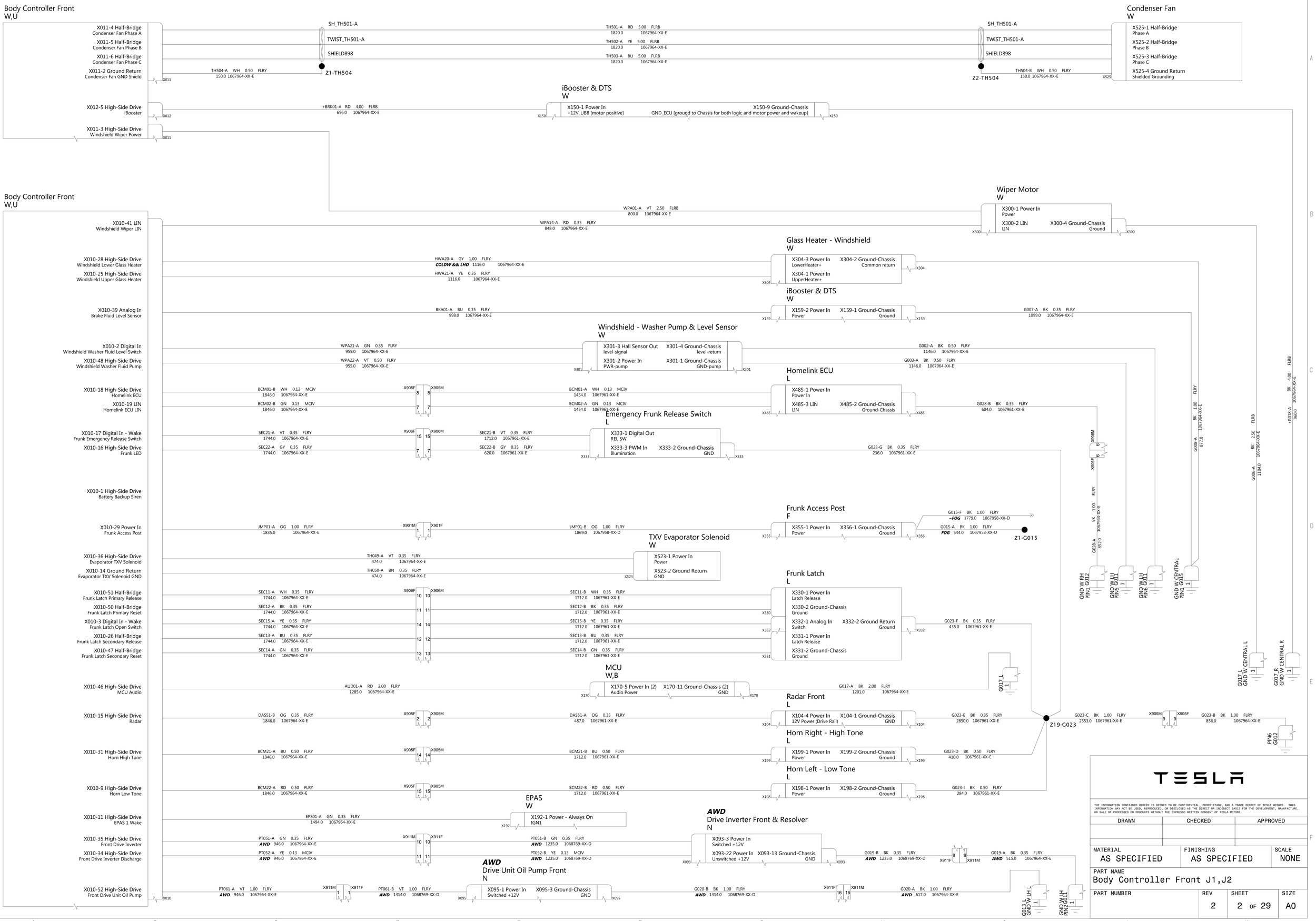
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSO WRITTEN CONSENT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

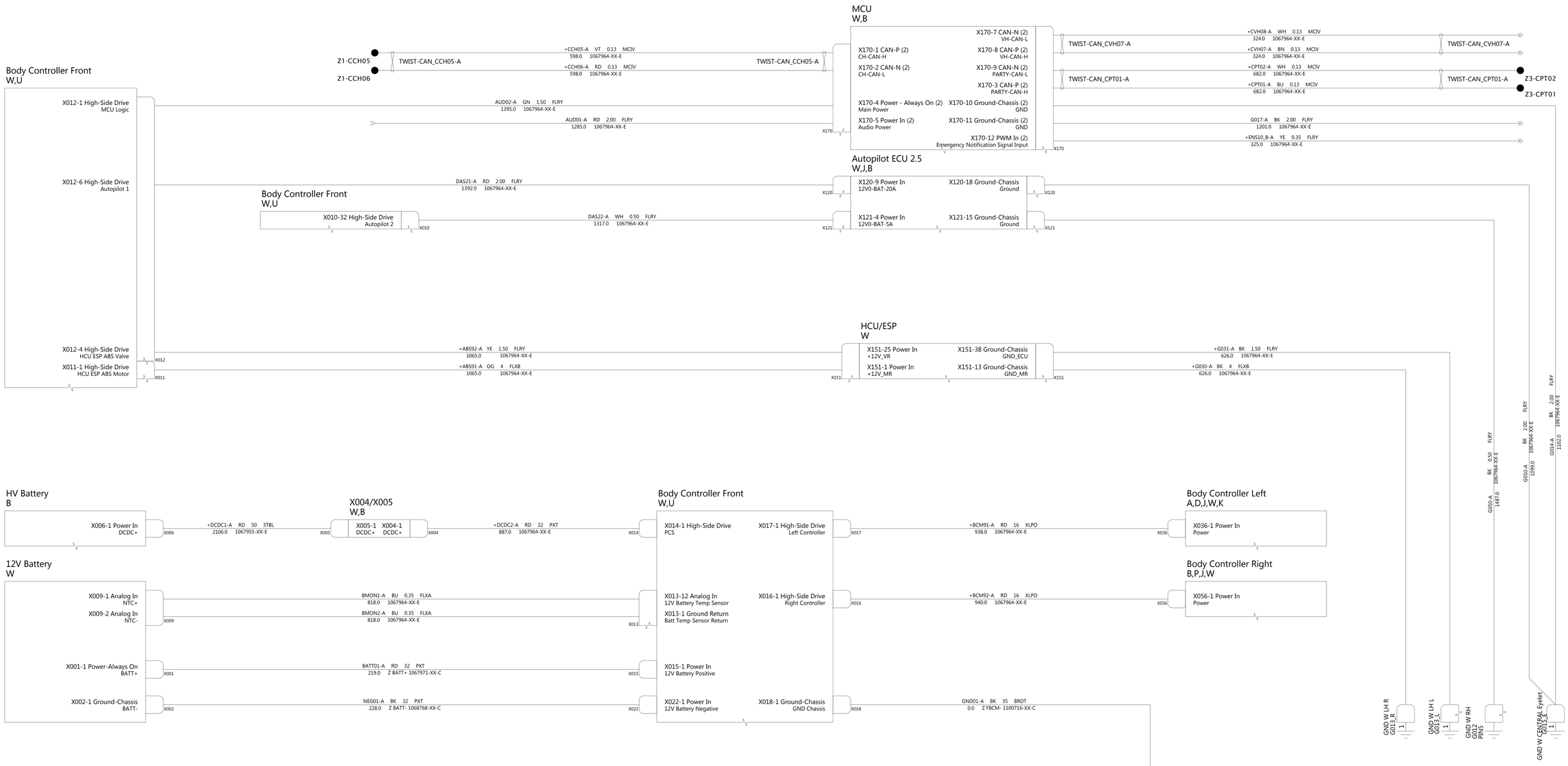
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Audio

PART NUMBER	REV	SHEET	SIZE
	2	1 OF 29	A0


Body Controller Front
W,U
X011-4 Half-Bridge
Condenser Fan Phase A
X011-5 Half-Bridge
Condenser Fan Phase B
X011-6 Half-Bridge
Condenser Fan Phase C
X011-2 Ground Return
Condenser Fan GND Shield
X012-5 High-Side Drive
iBooster
X011-3 High-Side Drive
Windshield Wiper Power
SH_TH501-A
TWIST_TH501-A
SHIELD898
Z1-TH504
TH504-A WH 0.50 FLRY
150.0 1067964-XX-E
TH501-A RD 5.00 FLRB
1820.0 1067964-XX-E
TH502-A YE 5.00 FLRB
1820.0 1067964-XX-E
TH503-A BU 5.00 FLRB
1820.0 1067964-XX-E
Z2-TH504
TH504-B WH 0.50 FLRY
150.0 1067964-XX-E
Condenser Fan
W
X525-1 Half-Bridge
Phase A
X525-2 Half-Bridge
Phase B
X525-3 Half-Bridge
Phase C
X525-4 Ground Return
Shielded Grounding
+BRK01-A RD 4.00 FLRB
656.0 1067964-XX-E
iBooster & DTS
W
X150-1 Power In
+12V_UBB [motor positive]
X150-9 Ground-Chassis
GND_ECU [ground to Chassis for both logic and motor power and wakeup]
Body Controller Front
W,U
X010-41 LIN
Windshield Wiper LIN
X010-28 High-Side Drive
Windshield Lower Glass Heater
X010-25 High-Side Drive
Windshield Upper Glass Heater
X010-39 Analog In
Brake Fluid Level Sensor
X010-2 Digital In
Windshield Washer Fluid Level Switch
X010-48 High-Side Drive
Windshield Washer Fluid Pump
X010-18 High-Side Drive
Homelink ECU
X010-19 LIN
Homelink ECU LIN
X010-17 Digital In - Wake
Frunk Emergency Release Switch
X010-16 High-Side Drive
Frunk LED
X010-1 High-Side Drive
Battery Backup Siren
X010-29 Power In
Frunk Access Post
X010-36 High-Side Drive
Evaporator TXV Solenoid
X010-14 Ground Return
Evaporator TXV Solenoid GND
X010-51 Half-Bridge
Frunk Latch Primary Release
X010-50 Half-Bridge
Frunk Latch Primary Reset
X010-3 Digital In - Wake
Frunk Latch Open Switch
X010-26 Half-Bridge
Frunk Latch Secondary Release
X010-47 Half-Bridge
Frunk Latch Secondary Reset
X010-46 High-Side Drive
MCU Audio
X010-15 High-Side Drive
Radar
X010-31 High-Side Drive
Horn High Tone
X010-9 High-Side Drive
Horn Low Tone
X010-11 High-Side Drive
EPAS 1 Wake
X010-35 High-Side Drive
Front Drive Inverter
X010-34 High-Side Drive
Front Drive Inverter Discharge
X010-52 High-Side Drive
Front Drive Unit Oil Pump
WPA01-A VT 2.50 FLRB
800.0 1067964-XX-E
WPA14-A RD 0.35 FLRY
848.0 1067964-XX-E
Wiper Motor
W
X300-1 Power In
Power
X300-2 LIN
LIN
X300-4 Ground-Chassis
Ground
HWA20-A GY 1.00 FLRY
COLDW && LHD 1116.0 1067964-XX-E
HWA21-A YE 0.35 FLRY
1116.0 1067964-XX-E
Glass Heater - Windshield
W
X304-3 Power In
LowerHeater+
X304-1 Power In
UpperHeater+
X304-2 Ground-Chassis
Common return
BKA01-A BU 0.35 FLRY
998.0 1067964-XX-E
iBooster & DTS
W
X159-2 Power In
Power
X159-1 Ground-Chassis
Ground
G007-A BK 0.35 FLRY
1099.0 1067964-XX-E
WPA21-A GN 0.35 FLRY
955.0 1067964-XX-E
WPA22-A VT 0.50 FLRY
955.0 1067964-XX-E
Windshield - Washer Pump & Level Sensor
W
X301-3 Hall Sensor Out
level-signal
X301-2 Power In
PWR-pump
X301-4 Ground-Chassis
level-return
X301-1 Ground-Chassis
GND-pump
G002-A BK 0.50 FLRY
1146.0 1067964-XX-E
G003-A BK 0.50 FLRY
1146.0 1067964-XX-E
BCM01-B WH 0.13 MCIV
1846.0 1067964-XX-E
BCM02-B GN 0.13 MCIV
1846.0 1067964-XX-E
X905F
X905M
BCM01-A WH 0.13 MCIV
1454.0 1067961-XX-E
BCM02-A GN 0.13 MCIV
1454.0 1067961-XX-E
Homelink ECU
L
X485-1 Power In
Power In
X485-3 LIN
LIN
X485-2 Ground-Chassis
Ground-Chassis
G028-B BK 0.35 FLRY
604.0 1067961-XX-E
Emergency Frunk Release Switch
L
SEC21-A VT 0.35 FLRY
1744.0 1067964-XX-E
SEC22-A GY 0.35 FLRY
1744.0 1067964-XX-E
X906F
X906M
SEC21-B VT 0.35 FLRY
1712.0 1067961-XX-E
SEC22-B GY 0.35 FLRY
620.0 1067961-XX-E
X333-1 Digital Out
REL SW
X333-3 PWM In
Illumination
X333-2 Ground-Chassis
GND
G023-G BK 0.35 FLRY
236.0 1067961-XX-E
JMP01-A OG 1.00 FLRY
1835.0 1067964-XX-E
X901M
X901F
JMP01-B OG 1.00 FLRY
1869.0 1067958-XX-D
Frunk Access Post
F
X355-1 Power In
Power
X356-1 Ground-Chassis
Ground
G015-F BK 1.00 FLRY
~FOG 1779.0 1067958-XX-D
G015-A BK 1.00 FLRY
FOG 544.0 1067958-XX-D
Z1-G015
TXV Evaporator Solenoid
W
TH049-A VT 0.35 FLRY
474.0 1067964-XX-E
TH050-A BN 0.35 FLRY
474.0 1067964-XX-E
X523-1 Power In
Power
X523-2 Ground Return
GND
Frunk Latch
L
SEC11-A WH 0.35 FLRY
1744.0 1067964-XX-E
SEC12-A BK 0.35 FLRY
1744.0 1067964-XX-E
SEC15-A YE 0.35 FLRY
1744.0 1067964-XX-E
SEC13-A BU 0.35 FLRY
1744.0 1067964-XX-E
SEC14-A GN 0.35 FLRY
1744.0 1067964-XX-E
SEC11-B WH 0.35 FLRY
1712.0 1067961-XX-E
SEC12-B BK 0.35 FLRY
1712.0 1067961-XX-E
SEC15-B YE 0.35 FLRY
1712.0 1067961-XX-E
SEC13-B BU 0.35 FLRY
1712.0 1067961-XX-E
SEC14-B GN 0.35 FLRY
1712.0 1067961-XX-E
X330-1 Power In
Latch Release
X330-2 Ground-Chassis
Ground
X332-1 Analog In
Switch
X332-2 Ground Return
Ground
X331-1 Power In
Latch Release
X331-2 Ground-Chassis
Ground
G023-F BK 0.35 FLRY
435.0 1067961-XX-E
MCU
W,B
AUD01-A RD 2.00 FLRY
1285.0 1067964-XX-E
X170-5 Power In (2)
Audio Power
X170-11 Ground-Chassis (2)
GND
G017-A BK 2.00 FLRY
1201.0 1067964-XX-E
Radar Front
L
DAS51-B OG 0.35 FLRY
1846.0 1067964-XX-E
DAS51-A OG 0.35 FLRY
487.0 1067961-XX-E
X104-4 Power In
12V Power (Drive Rail)
X104-1 Ground-Chassis
GND
G023-E BK 0.35 FLRY
2850.0 1067961-XX-E
Horn Right - High Tone
L
BCM21-A BU 0.50 FLRY
1846.0 1067964-XX-E
BCM21-B BU 0.50 FLRY
1712.0 1067961-XX-E
X199-1 Power In
Power
X199-2 Ground-Chassis
Ground
G023-D BK 0.50 FLRY
410.0 1067961-XX-E
Horn Left - Low Tone
L
BCM22-A RD 0.50 FLRY
1846.0 1067964-XX-E
BCM22-B RD 0.50 FLRY
1712.0 1067961-XX-E
X198-1 Power In
Power
X198-2 Ground-Chassis
Ground
G023-I BK 0.50 FLRY
284.0 1067961-XX-E
Z19-G023
G023-C BK 1.00 FLRY
2353.0 1067961-XX-E
G023-B BK 1.00 FLRY
856.0 1067964-XX-E
EPAS
W
EPS01-A GN 0.35 FLRY
1494.0 1067964-XX-E
X192-1 Power - Always On
IGN1
AWD
Drive Inverter Front & Resolver
N
X093-3 Power In
Switched +12V
X093-22 Power In
Unswitched +12V
X093-13 Ground-Chassis
GND
PT051-A GN 0.35 FLRY
AWD 946.0 1067964-XX-E
PT052-A YE 0.13 MCIV
AWD 946.0 1067964-XX-E
X911M
X911F
PT051-B GN 0.35 FLRY
AWD 1235.0 1068769-XX-D
PT052-B YE 0.13 MCIV
AWD 1235.0 1068769-XX-D
G019-B BK 0.35 FLRY
AWD 1235.0 1068769-XX-D
G019-A BK 0.35 FLRY
AWD 515.0 1067964-XX-E
AWD
Drive Unit Oil Pump Front
N
X095-1 Power In
Switched +12V
X095-3 Ground-Chassis
GND
PT061-A VT 1.00 FLRY
AWD 946.0 1067964-XX-E
PT061-B VT 1.00 FLRY
AWD 1314.0 1068769-XX-D
G020-B BK 1.00 FLRY
AWD 1314.0 1068769-XX-D
G020-A BK 1.00 FLRY
AWD 617.0 1067964-XX-E
GND W RH
PIN1 G012
GND W LH
PIN2 G011
GND W LH
PIN6 G011
GND W CENTRAL
PIN1 G015
G017_L
GND W CENTRAL L
G017_R
GND W CENTRAL R
PIN6
G012
G013_L
GND W LH L
GND W LH
PIN2 G011
G028-A
852.0
G008-A
877.0
G006-A
1104.0
+G018-A
960.0
TESLA
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
Body Controller Front J1,J2
PART NUMBER
REV
2
SHEET
2 OF 29
SIZE
A0



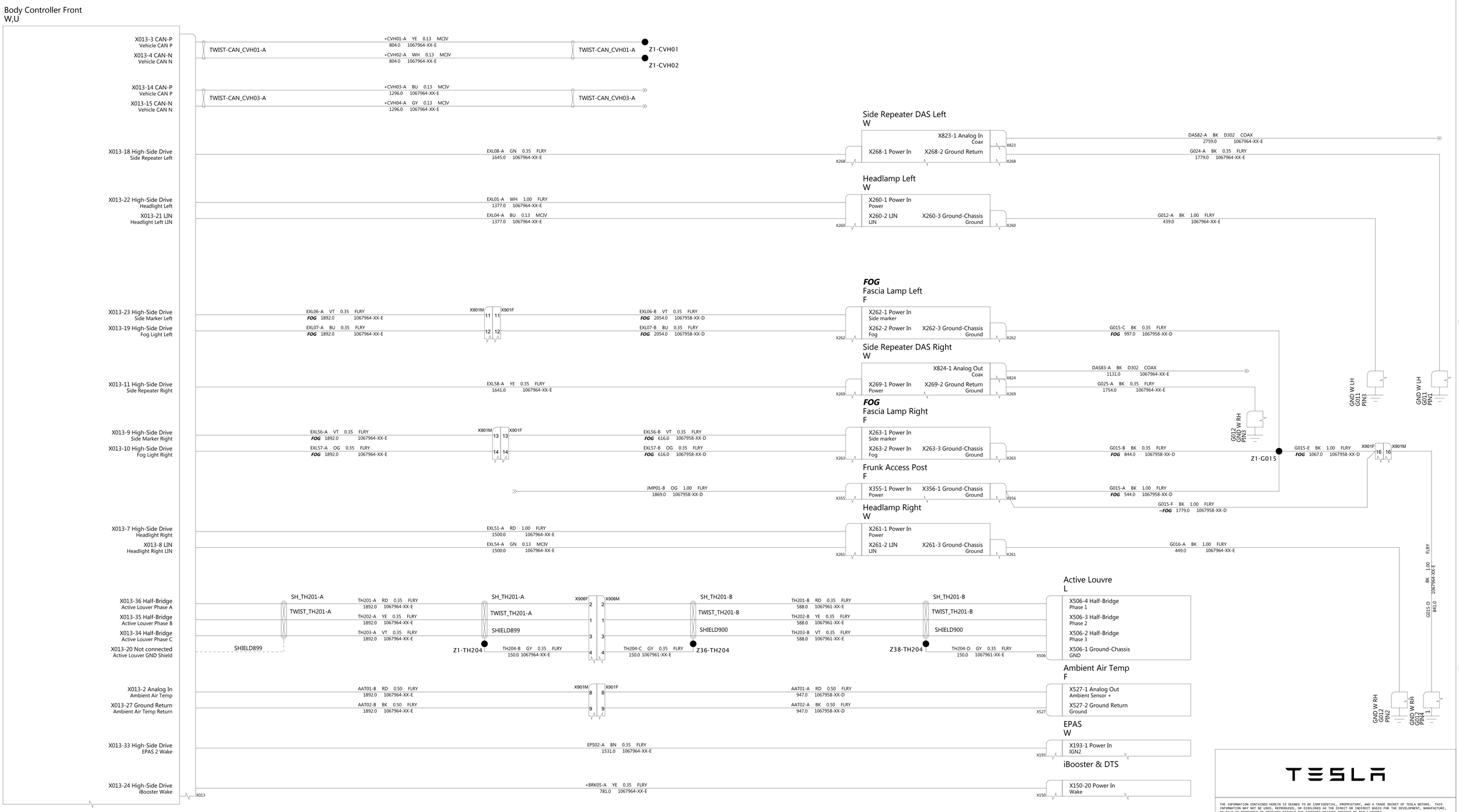
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSO WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Front J3, Cables

PART NUMBER	REV	SHEET	SIZE
	2	3 OF 29	A0



TESLA

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
Body Controller Front J4

PART NUMBER	REV	SHEET	SIZE
	2	4 OF 29	A0

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

X030-42 High-Side Drive
Body Side Tail Light

X030-41 High-Side Drive
Body Side Brake Light

X030-44 High-Side Drive
Body Side Turn Signal

EXL21-A RD 0.13 MCIV
4506.0 1067954-XX-E

EXL22-A GY 0.13 MCIV
4506.0 1067954-XX-E

EXL23-A VT 0.13 MCIV
4506.0 1067954-XX-E

Tail Light Left Body
A

X270-2 Power In
Tail

X270-5 Power In
Stop

X270-1 Ground-Chassis
Ground

X270-3 Power In
Turn

X030-18 High-Side Drive
Trunk Interior LED

INL71-A VT 0.35 FLRY
3693.0 1067954-XX-E

Trunk Internal Illumination Left
A

X296-1 Power In
Power

X296-2 Analog In
Ground

X030-28 High-Side Drive
Charge Port ECU

+CP001-A OG 0.35 FLRY
3763.0 1067954-XX-E

Charge Port ECU
A

X096-10 Power - Always On
12V

X096-9 Ground-Chassis
GND

X031-9 Analog In
Seat Rear Right Occupancy Sensor

X031-8 Analog In
Seat Rear Center Occupancy Sensor

X031-7 Analog In
Seat Rear Left Occupancy Sensor

RS013-A BU 0.35 FLRY
2471.0 1067954-XX-E

RS012-A GN 0.35 FLRY
2471.0 1067954-XX-E

RS011-A VT 0.35 FLRY
2471.0 1067954-XX-E

Occupancy Sensors Rear Seat
2nd Row Seat OCS

X685-3 Analog Out
Right Occupant Switch

X685-4 Ground Return
Ground

X685-2 Analog Out
Center Occupant Switch

X685-1 Analog Out
Left Occupant Switch

RS002-B GY 0.35 FLRY
389.0 1067954-XX-E

Seatbelt Buckle Switch Rear Left
A

X031-12 Analog In
Seat Rear Left Buckle Sensor

RS001-A OG 0.35 FLRY
2981.0 1067954-XX-E

X673-1 Power In
Power In

X673-2 Hall Sensor Out
Hall Sensor Out

RS002-A GY 0.35 FLRY
434.0 1067954-XX-E

Z2-RS002

X030-2 Ground Return
Seat Rear Shared Ground Return

RS002-C GY 0.35 FLRY
2467.0 1067954-XX-E

Heat Pad Backrest Rear Left
A

X030-27 High-Side Drive
Seat Rear Left Heat Pad Backrest

RS035-A GN 0.50 FLRY
2559.0 1067954-XX-E

X676-2 Power In
Heater + 12V

X676-1 Ground-Chassis
Heater GND

PINLT USB Ports Front
C

AUX02-B YE 0.75 FLRY
PINLT 851.0 1067956-XX-E

AUX02-C YE 0.75 FLRY
PINLT 851.0 1067956-XX-E

X196-1 Power In
12V Battery Input

X196-3 Ground-Chassis
Ground

X196-2 Power In
12V Battery Input

X196-4 Ground-Chassis
Ground

G406-A BK 0.75 FLRY
PINLT 801.0 1067956-XX-E

G406-B BK 0.75 FLRY
PINLT 801.0 1067956-XX-E

BINLT USB Ports Front (B)
C

PINLT X030-46 High-Side Drive
USB Ports Rear

AUX02-E YE 1.00 FLRY
PINLT 587.0 1067954-XX-E

Z2-AUX02

AUX02-G YE 2.00 FLRY
PINLT 1463.0 1067954-XX-E

AUX02-D YE 1.00 FLRY
PINLT 587.0 1067954-XX-E

X030-47 High-Side Drive
USB Ports Front

AUX02-L YE 1.00 FLRY
BINLT 2040.0 1067954-XX-E

X930F 11 11 X930M

AUX02-F YE 2.00 FLRY
BINLT || PINLT 263.0 1067956-XX-E

Z1-AUX02

AUX02-I YE 0.75 FLRY
BINLT 288.0 1067956-XX-E

AUX02-H YE 0.75 FLRY
BINLT 1463.0 1067956-XX-E

X196A-1 Power In
12V Battery Input

X196A-3 Ground-Chassis
Ground

X196A-2 Power In
12V Battery Input

X196A-4 Ground-Chassis
Ground

G406-F BK 0.75 FLRY
BINLT 238.0 1067956-XX-E

G406-G BK 0.75 FLRY
BINLT 238.0 1067956-XX-E

Z1-G406

PINLT USB Ports Rear - Delphi Hub
C

AUX02-J YE 0.75 FLRY
PINLT 604.0 1067956-XX-E

AUX02-K YE 0.75 FLRY
PINLT 604.0 1067956-XX-E

X195A-1 Power In
12V Battery Input

X195A-3 Ground-Chassis
Ground

X195A-2 Power In
12V Battery Input

X195A-4 Ground-Chassis
Ground

G406-H BK 0.75 FLRY
PINLT 654.0 1067956-XX-E

G406-I BK 0.75 FLRY
PINLT 654.0 1067956-XX-E

G653-A BK 0.50 FLRY
2553.0 1067954-XX-E

G651-A BK 0.50 FLRY
1594.0 1067954-XX-E

G652-A BK 0.50 FLRY
5970.0 1067954-XX-E

G406-E BK 2.00 FLRY
BINLT || PINLT 313.0 1067956-XX-E

X930M 12 12 X930F

G404-A BK 0.50 FLRY
1327.0 1067954-XX-E

PINLT Rear HVAC Control
C

X031-5 High-Side Drive
Rear HVAC Button Signal Backlight

X031-6 Ground Return
Rear HVAC Button

THC50-A WH 0.13 MCIV
PINLT 2127.0 1067954-XX-E

THC51-A BU 0.13 MCIV
PINLT 2127.0 1067954-XX-E

X930F 3 17 X930M

THC50-C WH 0.13 MCIV
PINLT 624.0 1067956-XX-E

THC51-C BU 0.13 MCIV
PINLT 624.0 1067956-XX-E

X501-1 High-Side Drive
Button Signal & LED

X501-2 Ground Return
Ground Return

PINLT 12V Power Socket Center Console
C

X030-50 High-Side Drive
12V Power Socket

AUX01-A BU 2.00 FLRY
BINLT || PINLT 2055.0 1067956-XX-E

1 1

AUX01-B BU 2.00 FLRY
PINLT 669.0 1067956-XX-E

X197-A Vref Input
Vref Input

X197-C Ground-Chassis
Ground-Chassis

AUX03-B BK 2.00 FLRY
PINLT 669.0 1067956-XX-E

X930M 20 20 X930F

BINLT 12V Power Socket Center Console (B)
C

AUX01-C BU 2.00 FLRY
BINLT 619.0 1067956-XX-E

X197A-A Vref Input
Vref Input

X197A-C Ground-Chassis
Ground-Chassis

AUX03-C BK 2.00 FLRY
BINLT 551.0 1067956-XX-E

X930M 7 7 X930F

G405-F BK 0.50 FLRY
BINLT || PINLT 275.0 1067956-XX-E

G406-D BK 2.00 FLRY
BINLT || PINLT 129.0 1067954-XX-E

GND A BPILLAR
G031

GND A REAR
G041

X030-13 Ground Return
12V Power Socket Ground Return

AUX03-A BK 2.00 FLRY
BINLT || PINLT 2055.0 1067954-XX-E

G405-G BK 0.35 FLRY
BINLT || PINLT 213.0 1067956-XX-E

PINLT Center Console Front Bin Switch
C

PINLT Center Console Front Bin LED
C

X031-24 High-Side Drive
Center Console Bin Front Switch LED

INL63-A OG 0.35 FLRY
PINLT 288.0 1067954-XX-E

X930F 2 2 X930M

INL63-B OG 0.35 FLRY
PINLT 949.0 1067956-XX-E

X293-2 Ground Return
Ground

X293-1 Digital In
Switch

INL62-A GY 0.35 FLRY
PINLT 288.0 1067956-XX-E

X291-1 PWM In
Power

X291-2 Ground Return
Ground

G405-E BK 0.35 FLRY
PINLT 781.0 1067956-XX-E

Center Console Rear Bin Switch
C

PINLT Center Console Rear Bin LED
C

X031-25 High-Side Drive
Center Console Bin Rear Switch LED

INL61-B BN 0.35 FLRY
2145.0 1067954-XX-E

8 8

INL61-A BN 0.35 FLRY
341.0 1067956-XX-E

X294-2 Ground Return
Ground

X294-1 Digital In
Switch

INL64-A BU 0.35 FLRY
PINLT 677.0 1067956-XX-E

X292-1 Power In
Power

X292-2 Analog In
Ground

G405-B BK 0.35 FLRY
PINLT 396.0 1067956-XX-E

BINLT Center Console Rear Bin LED (B)
C

INL64-B BU 0.35 FLRY
BINLT 2040.0 1067956-XX-E

X292A-1 Power In
Power

X292A-2 Analog In
Ground

G405-K BK 0.35 FLRY
BINLT 366.0 1067956-XX-E

Z1-G405

PINLT Security Controller
C

X030-35 High-Side Drive
Security Controller

SEC91-A YE 0.13 MCIV
BINLT || PINLT 2055.0 1067954-XX-E

4 4

SEC91-B YE 0.13 MCIV
PINLT 609.0 1067956-XX-E

X492-1 Power In
Power

X492-2 Ground-Chassis
Ground

G405-C BK 0.35 FLRY
PINLT 406.0 1067956-XX-E

BINLT Security Controller (B)
C

SEC91-C YE 0.13 MCIV
BINLT 594.0 1067956-XX-E

X492A-1 Power In
Power

X492A-2 Ground-Chassis
Ground

G405-J BK 0.35 FLRY
BINLT 748.0 1067956-XX-E

TESLA

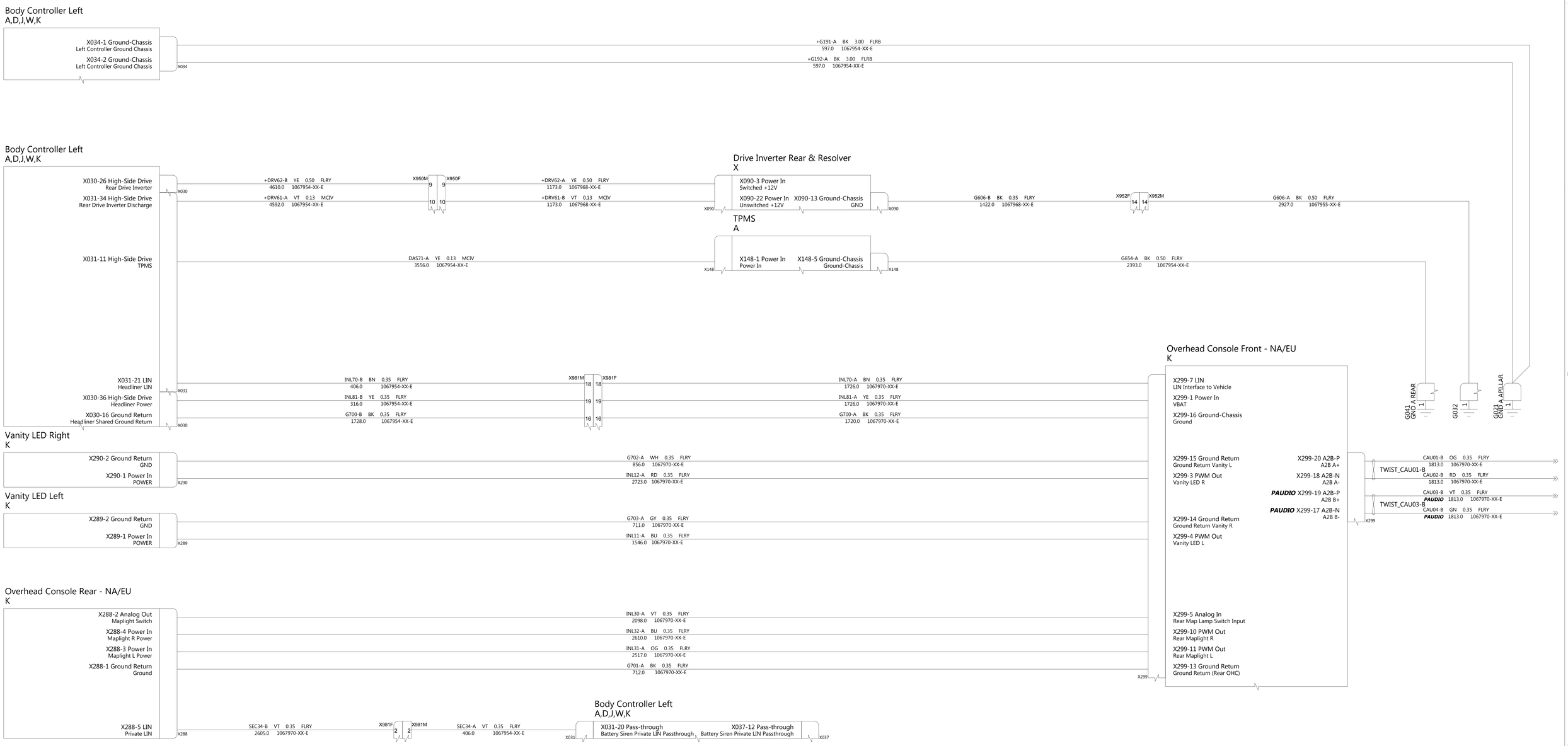
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Left J1

PART NUMBER	REV	SHEET	SIZE
	2	5 OF 29	A0



TESLA

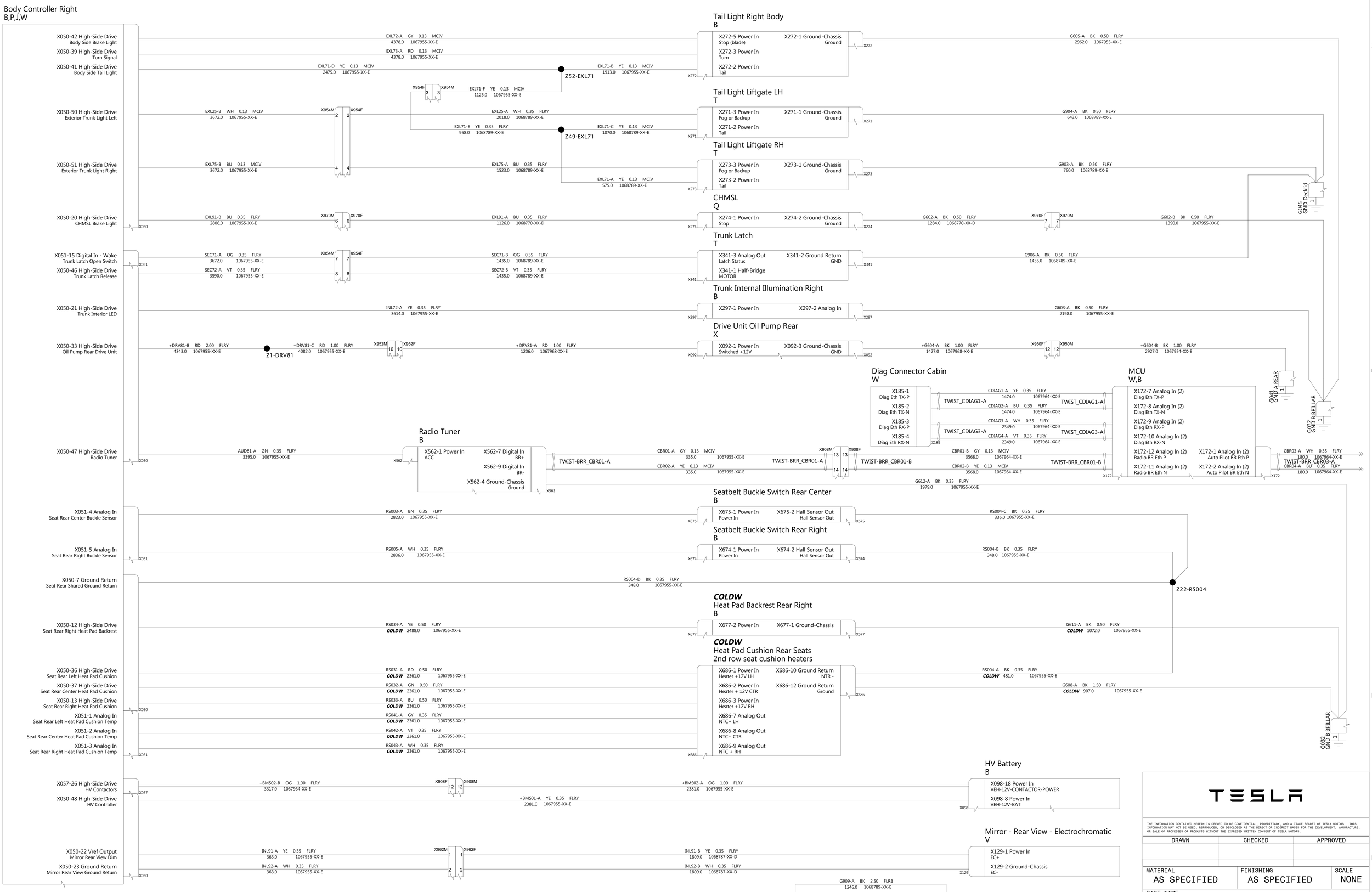
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Left J2, OHC

PART NUMBER	REV	SHEET	SIZE
	2	6 OF 29	A0



TESLA

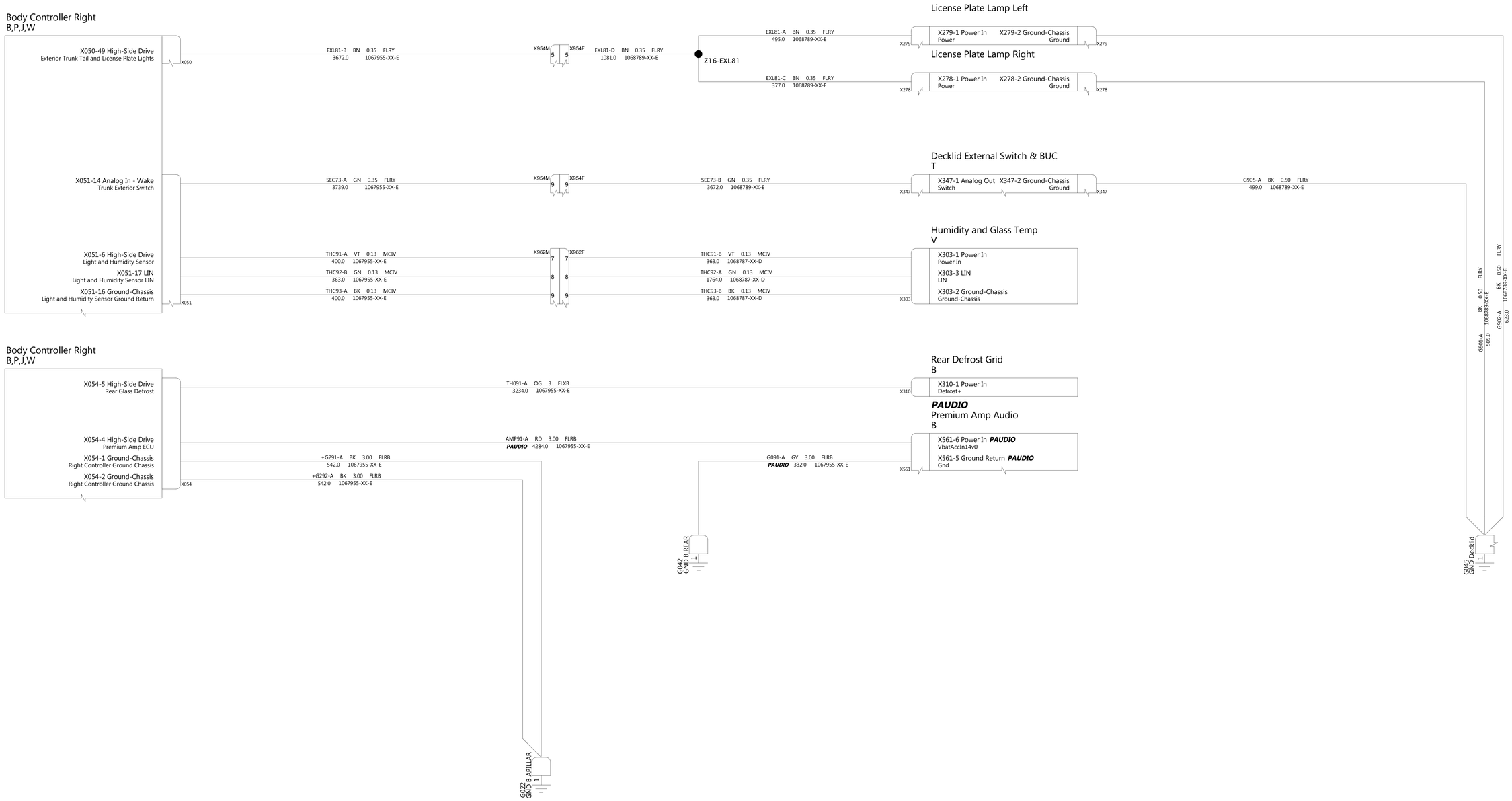
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Body Controller Right J1

PART NUMBER	REV	SHEET	SIZE
	2	7 OF 29	A0



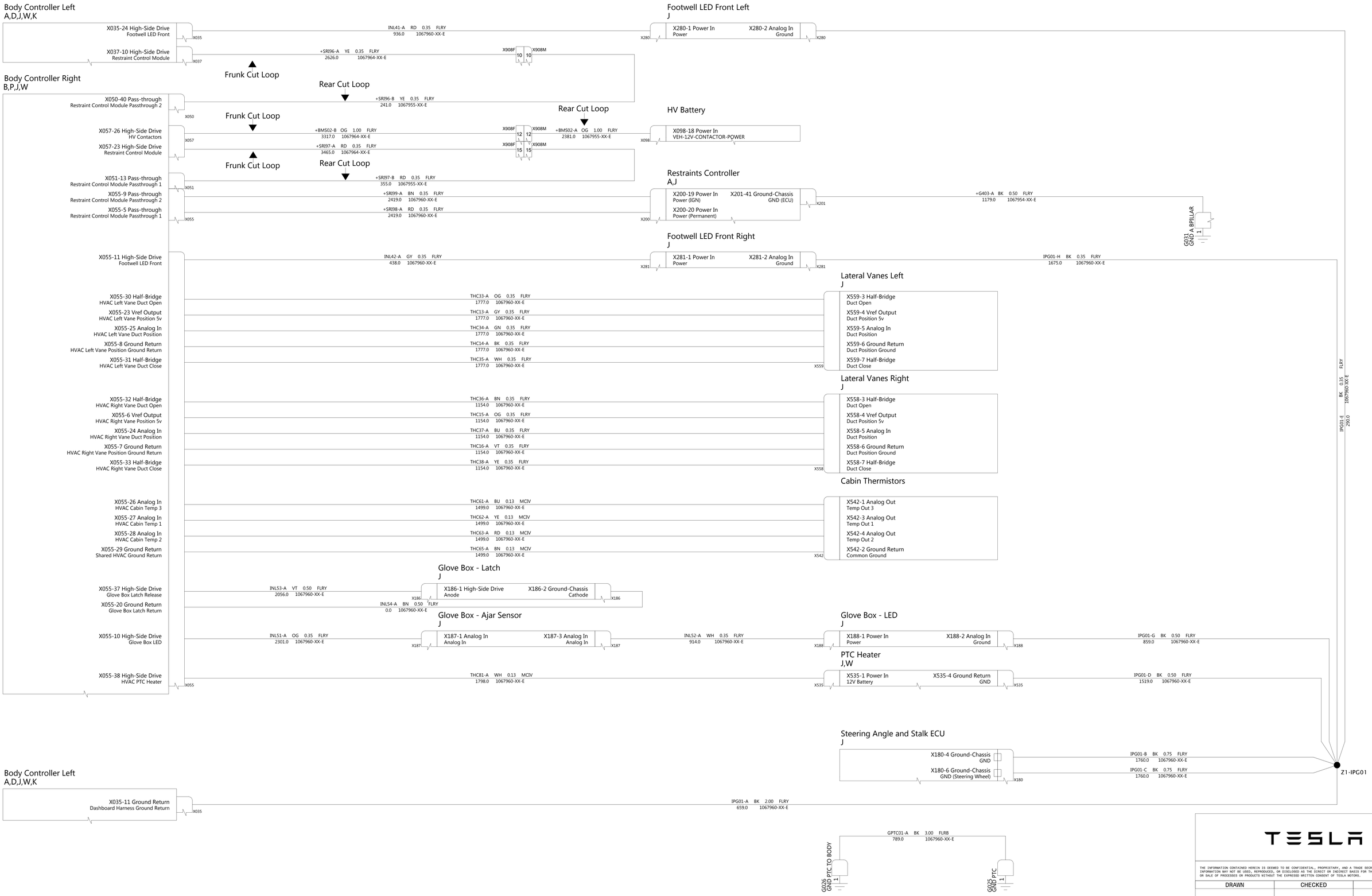
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Right J2, J5

PART NUMBER	REV	SHEET	SIZE
	2	8 OF 29	A0



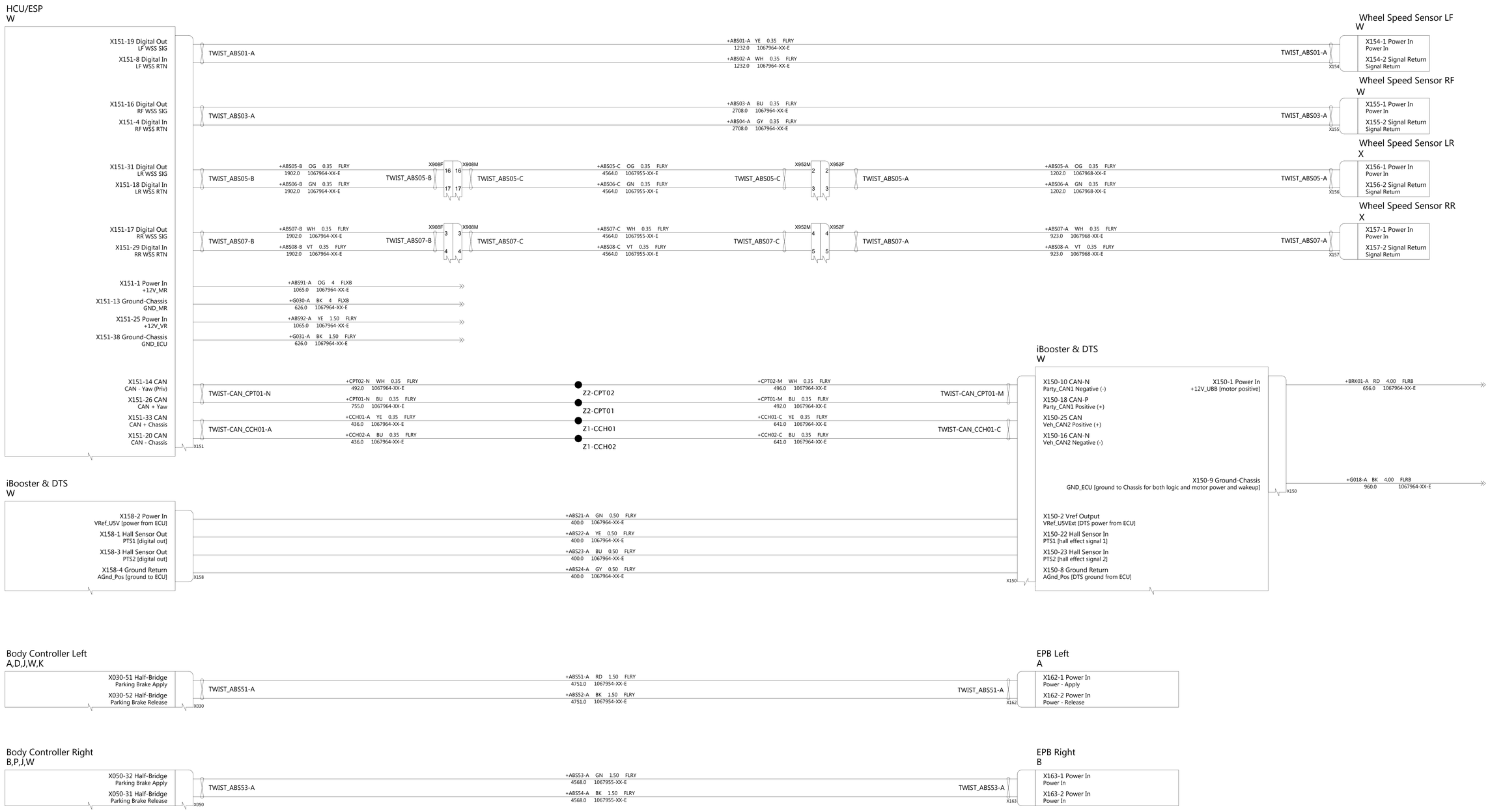
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSO WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controllers Dashboard

PART NUMBER	REV	SHEET	SIZE
	2	9 OF 29	A0



TESLA

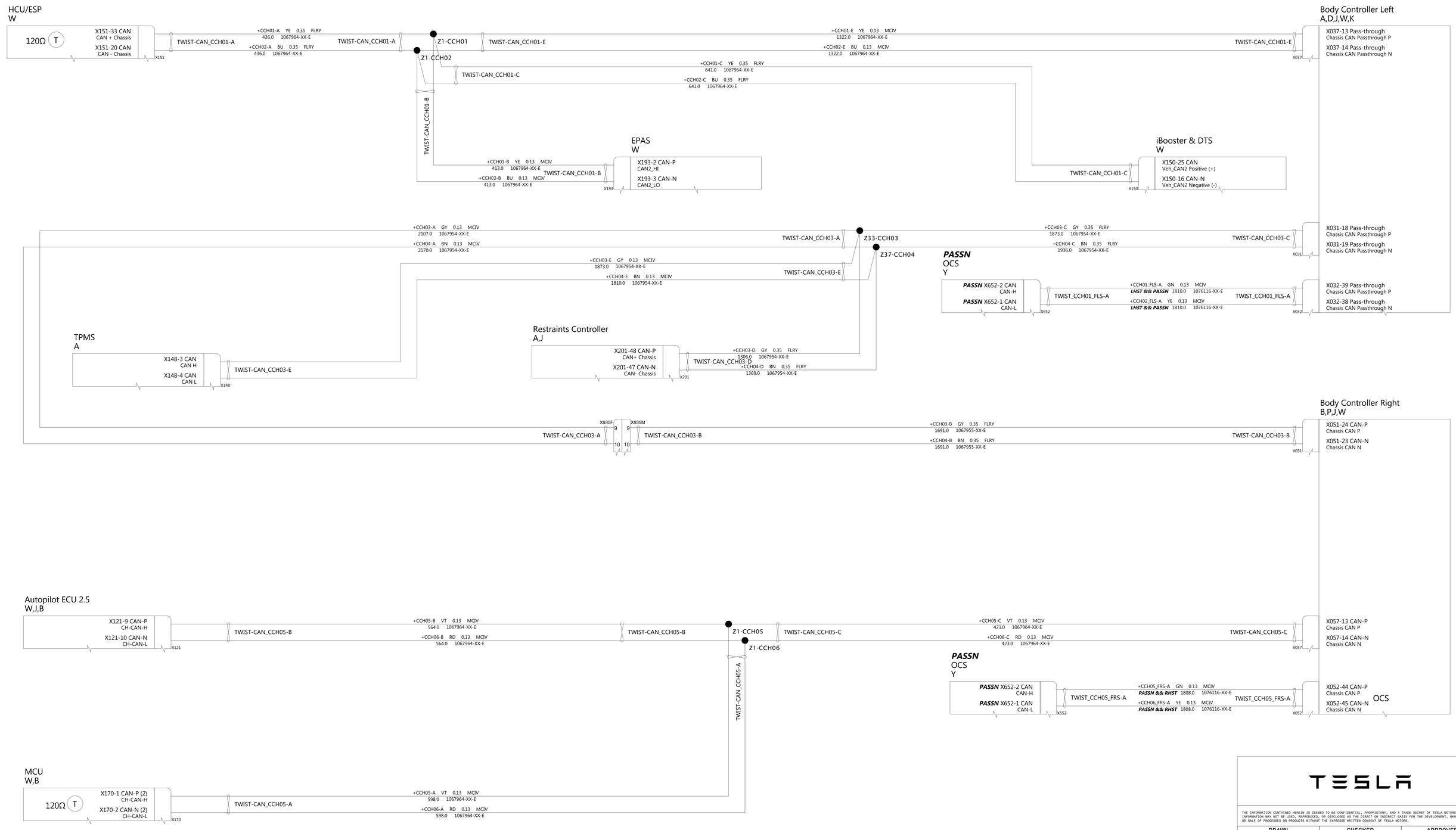
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Brake Controls

PART NUMBER	REV	SHEET	SIZE
	2	10 OF 29	A0



TESLA

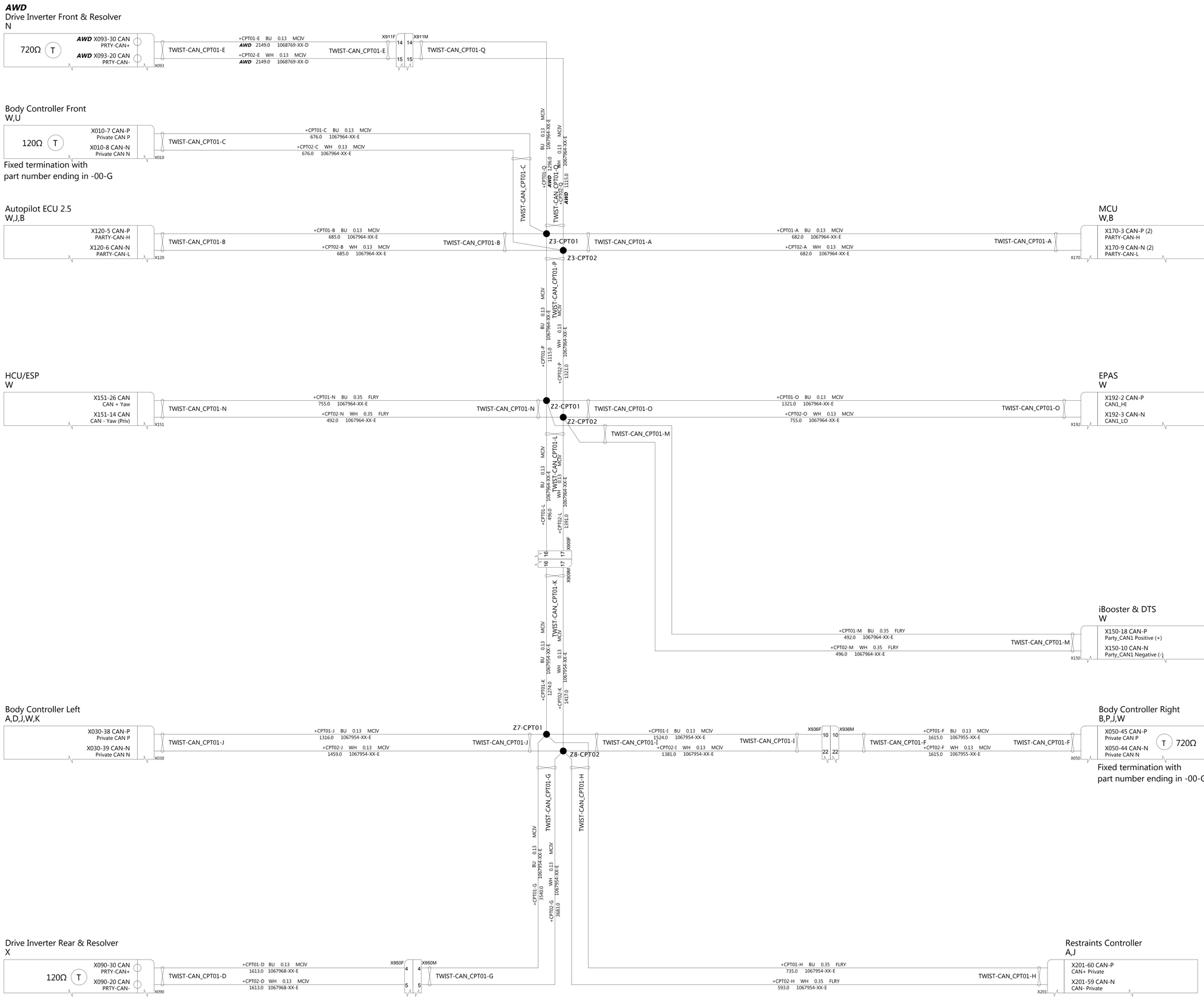
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: CAN Chassis

PART NUMBER	REV	SHEET	SIZE
	2	11 OF 29	A0



TESLA

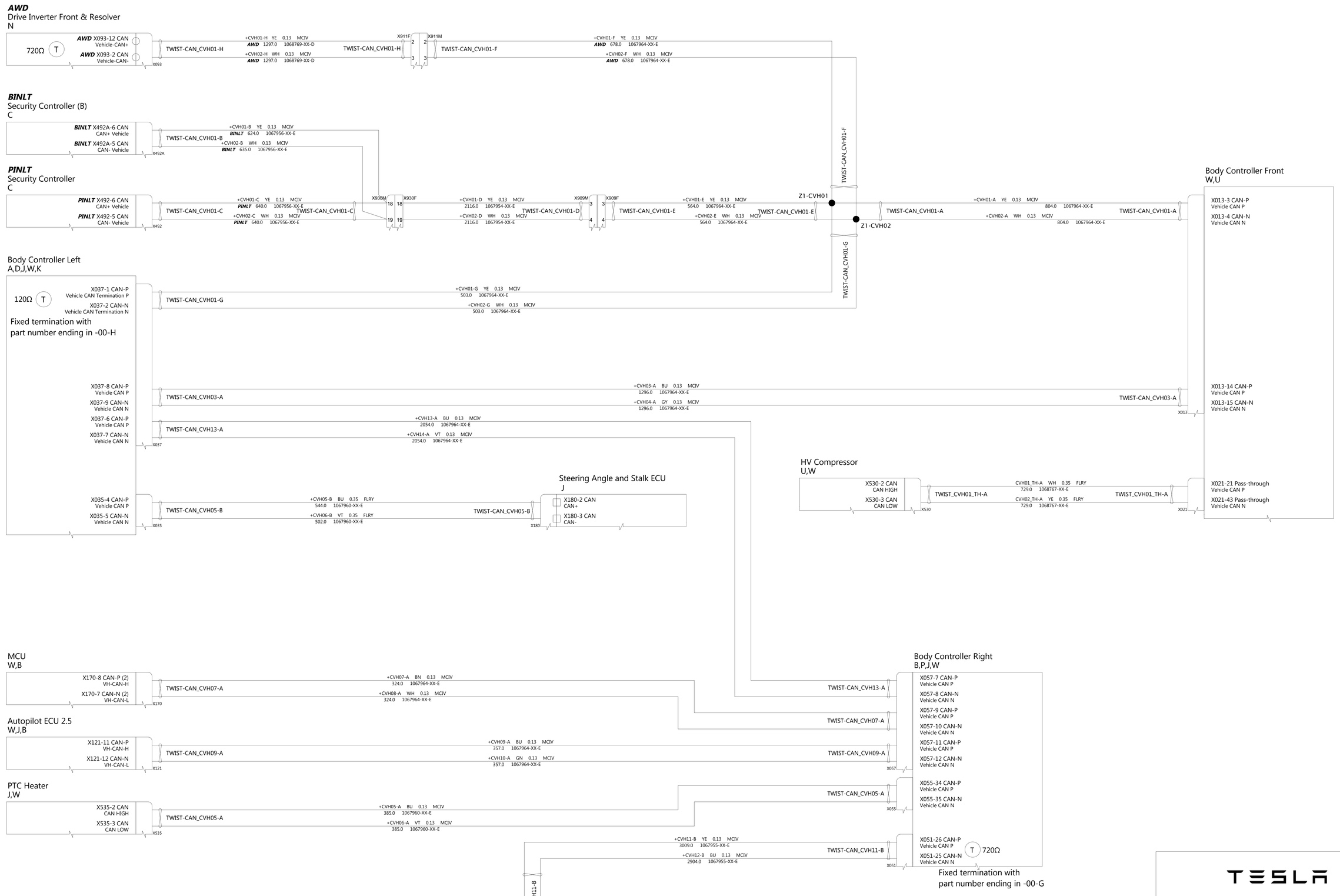
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
CAN Party

PART NUMBER	REV	SHEET	SIZE
	2	12 OF 29	A0



TESLA

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 EXPRESSO WRITTEN CONSENT OF TESLA MOTORS.

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
CAN Vehicle

PART NUMBER	REV	SHEET	SIZE
	2	13 OF 29	A0

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

X033-22 Ground Return — Window Front Hall Ground Return
X033-25 Half-Bridge — Window Front Motor Up
X033-26 Half-Bridge — Window Front Motor Down
X033-20 Hall Sensor In — Window Front Hall A
X033-21 Hall Sensor In — Window Front Hall B

TWIST_DCL01-A

DCL12-A BK 0.13 MCIV 2075.0 1067957-XX-E
DCL01-A RD 1.50 FLRY 2179.0 1067957-XX-E
DCL02-A OG 1.50 FLRY 2179.0 1067957-XX-E
DCL13-A GN 0.13 MCIV 2075.0 1067957-XX-E
DCL14-A BU 0.13 MCIV 2075.0 1067957-XX-E

Window Lift Motor Front Left
D

TWIST_DCL01-A

X373-3 Ground Return — HALL REFERENCE
X373-1 Half-Bridge — MOTOR +
X373-5 Half-Bridge — MOTOR -
X373-2 Hall Sensor Out — HALL A
X373-4 Hall Sensor Out — HALL B
X373

X033-9 Digital In - Wake — Door Front Latch Open Puddle LED
X033-33 Digital In — Door Front Latch Endstop Switch
X033-24 Half-Bridge — Door Front Latch Release
X033-23 Half-Bridge — Door Front Latch Reset

DCL21-A VT 0.35 FLRY 1594.0 1067957-XX-E

Puddle LED Front Left
D

X371-1 Power In — Power
X371-2 Analog In — Ground
X371

DCL22-A BN 0.35 FLRY 1618.0 1067957-XX-E
DCL23-A WH 0.50 FLRY 1618.0 1067957-XX-E
DCL24-A GY 0.50 FLRY 1618.0 1067957-XX-E
DCL25-A OG 0.35 FLRY 1367.0 1067957-XX-E

Latch Front Left
D

X380-8 Digital Out — AJAR/OPEN
X380-1 Digital Out — UNLATCH CAM POSITION
X380-4 Half-Bridge — UNLATCH OPEN
X380-3 Half-Bridge — UNLATCH RESET
X380-7 Signal Return — GND
X380

X033-15 Analog In — Window Switchpack FL
X033-31 Analog In — Window Switchpack RR
X033-16 Analog In — Window Switchpack RL
X033-30 Analog In — Window Switchpack FR
X033-6 High-Side Drive — Door Front Window Switch LED

DCL31-B GN 0.13 MCIV ***LHD*** 1874.0 1067957-XX-E
DCL32-A VT 0.13 MCIV ***LHD*** 1852.0 1067957-XX-E
DCL33-A BN 0.13 MCIV ***LHD*** 1852.0 1067957-XX-E
DCL34-A WH 0.13 MCIV ***LHD*** 1852.0 1067957-XX-E
DCL35-A GY 0.13 MCIV ***LHD*** 1852.0 1067957-XX-E

LHD
Window Switch Driver Front Left
D

X365-1 Analog Out — Front Left Window
X365-4 Analog Out — Rear Right Window
X365-3 Analog Out — Rear Left Window
X365-2 Analog Out — Front Right Window
X365-5 Power In — Illumination
X365-6 Ground Return — Ground
X365

X033-32 Analog In - Wake — Door Front Interior Handle Switch
X033-2 High-Side Drive — Door Front Interior Handle Switch LED

DCL41-A WH 0.13 MCIV 2092.0 1067957-XX-E
DCL42-A YE 0.13 MCIV 2092.0 1067957-XX-E

Interior Open Switch Front Left
D

X366-3 Digital Out — Switch
X366-2 PWM In — Illumination
X366-1 Ground Return — Ground
X366

DCL80-G BK 0.35 FLRY 780.0 1067957-XX-E

X033-17 PWM In - Wake — Door Front Exterior Handle Sensor
X033-3 High-Side Drive — Door Front Exterior Handle Sensor 5v

DCL43-A BU 0.35 FLRY 1824.0 1067957-XX-E
DCL44-A OG 0.35 FLRY 1824.0 1067957-XX-E

Exterior Open Switch Front Left
D

X367-2 Analog Out — Out1
X367-4 Power In — Us
X367-1 Ground Return — GND
X367

DCL80-H BK 0.35 FLRY 1311.0 1067957-XX-E

BMIRR
Mirror Left Base
D

X033-28 Half-Bridge — Mirror Tilt Up Down
X033-14 Half-Bridge — Mirror Tilt Common
X033-13 Half-Bridge — Mirror Tilt Left Right

DCL51-A VT 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E
DCL52-A YE 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E
DCL53-A WH 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E

DCL51-B VT 0.13 MCIV ***BMIRR*** 1912.0 1067957-XX-E
DCL52-B YE 0.13 MCIV ***BMIRR*** 1912.0 1067957-XX-E
DCL53-B WH 0.13 MCIV ***BMIRR*** 1912.0 1067957-XX-E

X374-1 Half-Bridge — Motor Tilt (Up- Down+)
X374-5 Half-Bridge — Motor Common
X374-3 Half-Bridge — Motor Pan (Left- Right+)
X374

PMIRR
Mirror Left Premium
D

X376-9 Half-Bridge — Motor Tilt (Up+, Down-)
X376-8 Half-Bridge — Motor Common
X376-3 Half-Bridge — Motor Pan (Left-, Right+)
X376-6 Ground Return — Position 0V
X376-1 High-Side Drive — Heater (+)
X376-13 Ground Return — Heater (-)
X376-14 High-Side Drive — EC (+)
X376-7 Ground Return — EC (-)
X376-2 Half-Bridge — Fold (+), Unfold (-)
X376-10 Half-Bridge — Fold (-), Unfold (+)
X376-4 Vref Input — Position Vref 5V
X376-5 Analog Out — Position Vertical (Tilt)
X376-12 Analog Out — Position Horizontal (Pan)
X376

DCL80-D BK 0.35 FLRY ***PMIRR*** 710.0 1067957-XX-E
DCL80-B BK 0.35 FLRY ***PMIRR*** 710.0 1067957-XX-E
DCL80-C BK 0.35 FLRY ***PMIRR*** 710.0 1067957-XX-E

Z1-DCL80

X033-18 High-Side Drive — Mirror Heat
X033-1 Vref Output — Mirror Dim
X033-10 Half-Bridge — Mirror Fold
X033-11 Half-Bridge — Mirror Unfold
X033-4 Vref Output — Mirror Tilt Position 5V
X033-35 Analog In — Mirror Tilt Position Up Down
X033-34 Analog In — Mirror Tilt Position Left Right

DCL55-A RD 0.35 FLRY ***PMIRR*** 740.0 1067957-XX-E
DCL56-A BN 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E
DCL58-A GN 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E
DCL59-A BU 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E
DCL60-A VT 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E
DCL61-A YE 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E
DCL62-A GY 0.13 MCIV ***PMIRR*** 740.0 1067957-XX-E

DCL80-A BK 0.35 FLRY ***PMIRR*** 583.0 1067957-XX-E

PMIRR
Door Map Pocket LED Front Left
D

X033-29 High-Side Drive — Door Front Map Pocket LED
X033-27 Ground Return — Shared Door Ground Return

DCL71-A RD 0.35 FLRY ***PMIRR*** 1886.0 1067957-XX-E

X370-1 PWM In — Power
X370-2 Ground Return — Ground
X370

DCL80-I BK 1.50 FLRY 1339.0 1067957-XX-E

X033

DCL80-F BK 0.35 FLRY 1105.0 1067957-XX-E
DCL80-E BK 0.35 FLRY ***LHD*** 545.0 1067957-XX-E

TESLA

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 EXPRESSO WRITTEN CONSENT OF TESLA MOTORS.

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Door Front Left

PART NUMBER	REV	SHEET	SIZE
	2	14 OF 29	A0

Body Controller Right
B,P,J,W

X053-7 Ground Return
Window Front Hall Ground Return

X053-35 Half-Bridge
Window Front Motor Up

X053-34 Half-Bridge
Window Front Motor Down

X053-9 Hall Sensor In
Window Front Hall A

X053-8 Hall Sensor In
Window Front Hall B

X053-20 Digital In - Wake
Door Front Latch Open Puddle LED

X053-27 Digital In
Door Front Latch Endstop Switch

X053-36 Half-Bridge
Door Front Latch Release

X053-37 Half-Bridge
Door Front Latch Reset

X053-30 Analog In
Window Switchpack FR

X053-1 High-Side Drive
Door Front Window Switch LED

X053-28 Analog In - Wake
Door Front Interior Handle Switch

X053-5 High-Side Drive
Door Front Interior Handle Switch LED

X053-12 PWM In - Wake
Door Front Exterior Handle Sensor

X053-4 Vref Output
Door Front Exterior Handle Sensor 5v

X053-32 Half-Bridge
Mirror Tilt Up Down

X053-15 Half-Bridge
Mirror Tilt Common

X053-16 Half-Bridge
Mirror Tilt Left Right

X053-11 High-Side Drive
Mirror Heat

X053-6 Vref Output
Mirror Dim

X053-19 Half-Bridge
Mirror Fold

X053-18 Half-Bridge
Mirror Unfold

X053-3 Vref Output
Mirror Tilt Position 5V

X053-25 Analog In
Mirror Tilt Position Up Down

X053-26 Analog In
Mirror Tilt Position Left Right

X053-31 High-Side Drive
Door Front Map Pocket LED

X053-33 Ground Return
Shared Door Ground Return

X053

DCR12-A BK 0.13 MCIV 1821.0 1067963-XX-E
DCR01-A RD 1.50 FLRY 1913.0 1067963-XX-E
DCR02-A OG 1.50 FLRY 1913.0 1067963-XX-E
DCR13-A GN 0.13 MCIV 1821.0 1067963-XX-E
DCR14-A WH 0.13 MCIV 1821.0 1067963-XX-E

TWIST_DCR01-A

Window Lift Motor Front Right
P

X403

- X403-3 Ground Return — HALL REFERENCE
- X403-1 Half-Bridge — MOTOR +
- X403-5 Half-Bridge — MOTOR -
- X403-2 Hall Sensor Out — HALL A
- X403-4 Hall Sensor Out — HALL B

DCR21-A VT 0.35 FLRY 2067.0 1067963-XX-E
DCR22-A BN 0.35 FLRY 1624.0 1067963-XX-E
DCR23-A WH 0.50 FLRY 1624.0 1067963-XX-E
DCR24-A GY 0.50 FLRY 1624.0 1067963-XX-E

Puddle LED Front Right
P

X401

- X401-1 Power In — Power
- X401-2 Analog In — Ground

DCR25-A OG 0.35 FLRY 1804.0 1067963-XX-E

Latch Front Right
P

X410

- X410-8 Digital Out — AJAR/OPEN
- X410-1 Digital Out — UNLATCH CAM POSITION
- X410-4 Half-Bridge — UNLATCH OPEN
- X410-3 Half-Bridge — UNLATCH RESET
- X410-7 Signal Return — GND

DCR36-A YE 0.13 MCIV ***LHD*** 1863.0 1067963-XX-E

LHD Window Switch Pass Front Right
P

X399

- X399-2 Analog Out — Switch
- X399-1 Power In — LED
- X399-3 Ground Return — Ground

DCR35-A GY 0.13 MCIV ***LHD*** 1859.0 1067963-XX-E

DCR41-A GY 0.13 MCIV 1763.0 1067963-XX-E
DCR42-A YE 0.13 MCIV 1763.0 1067963-XX-E

Interior Open Switch Front Right
P

X396

- X396-3 Digital Out — Switch
- X396-2 PWM In — Illumination
- X396-1 Ground Return — Ground

DCR80-G BK 0.35 FLRY 783.0 1067963-XX-E

DCR43-A BU 0.35 FLRY 1847.0 1067963-XX-E
DCR44-A GN 0.35 FLRY 1824.0 1067963-XX-E

Exterior Open Switch Front Right
P

X397

- X397-2 Analog Out — Out1
- X397-4 Power In — Us
- X397-1 Ground Return — GND

DCR80-H BK 0.35 FLRY 1311.0 1067963-XX-E

DCR51-A VT 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E
DCR52-A BU 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E
DCR53-A WH 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E

DCR51-B VT 0.13 MCIV ***BMIRR*** 1503.0 1067963-XX-E
DCR52-B BU 0.13 MCIV ***BMIRR*** 1503.0 1067963-XX-E
DCR53-B WH 0.13 MCIV ***BMIRR*** 1503.0 1067963-XX-E

BMIRR Mirror Right Base
P

X404

- X404-1 Half-Bridge — Motor Tilt (Up- Down+)
- X404-5 Half-Bridge — Motor Common
- X404-3 Half-Bridge — Motor Pan (Left- Right+)

PMIRR Mirror Right Premium
P

X406

- X406-9 Half-Bridge — Motor Tilt (Up+, Down-)
- X406-8 Half-Bridge — Motor Common
- X406-6 Ground Return — Position 0V
- X406-3 Half-Bridge — Motor Pan (Left-, Right+)
- X406-1 High-Side Drive — Heater (+)
- X406-13 Ground Return — Heater (-)
- X406-14 High-Side Drive — EC (+)
- X406-7 Ground Return — EC (-)
- X406-2 Half-Bridge — Fold (+), Unfold (-)
- X406-10 Half-Bridge — Fold (-), Unfold (+)
- X406-4 Vref Input — Position Vref 5V
- X406-5 Analog Out — Position Vertical (Tilt)
- X406-12 Analog Out — Position Horizontal (Pan)

DCR80-D BK 0.35 FLRY ***PMIRR*** 710.0 1067963-XX-E
DCR80-B BK 0.35 FLRY ***PMIRR*** 710.0 1067963-XX-E
DCR80-C BK 0.35 FLRY ***PMIRR*** 710.0 1067963-XX-E

Z1-DCR80

DCR80-F BK 0.35 FLRY 1105.0 1067963-XX-E
DCR80-E BK 0.35 FLRY ***LHD*** 556.0 1067963-XX-E

DCR55-A RD 0.35 FLRY ***PMIRR*** 1916.0 1067963-XX-E
DCR56-A BN 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E
DCR58-A YE 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E
DCR59-A BN 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E
DCR60-A VT 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E
DCR61-A BU 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E
DCR62-A GY 0.13 MCIV ***PMIRR*** 1916.0 1067963-XX-E

DCR80-A BK 0.35 FLRY ***PMIRR*** 583.0 1067963-XX-E

PMIRR Door Map Pocket LED Front Right
P

X400

- X400-1 PWM In — Power
- X400-2 Ground Return — Ground

DCR71-A RD 0.35 FLRY ***PMIRR*** 158.0 1067963-XX-E

DCR80-I BK 1.50 FLRY 1339.0 1067963-XX-E

TESLA

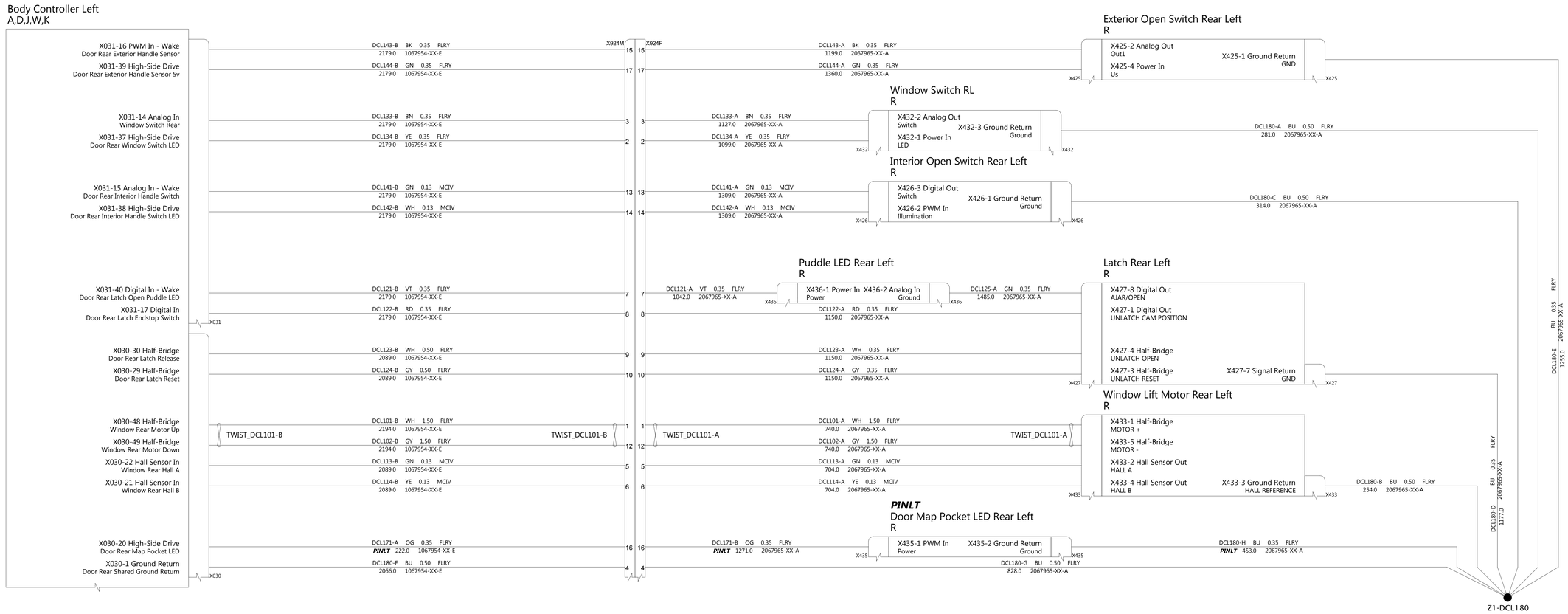
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Door Front Right

PART NUMBER	REV	SHEET	SIZE
	2	15 OF 29	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	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Doors Rear

PART NUMBER	REV	SHEET	SIZE
	2	16 OF 29	A0

1/1(A0 TESLA)

AWD Drive Inverter Front & Resolver N

X093-2 CAN Vehicle-CAN-
X093-12 CAN Vehicle-CAN+
TWIST-CAN_CVH01-H
+CVH02-H WH 0.13 MCIV
AWD 1297.0 1068769-XX-D
+CVH01-H YE 0.13 MCIV
AWD 1297.0 1068769-XX-D
TWIST-CAN_CVH01-H

X093-4 Analog Out HVIL out
+HVL04-B YE 0.35 FLRY
AWD 1235.0 1068769-XX-D

X093-10 LIN Oil Pump Status
+DRV21-A RD 0.13 MCIV
AWD 1786.0 1068769-XX-D

AWD Drive Unit Oil Pump Front N

X095-2 LIN *AWD* Oil Pump Status
X095

AWD Drive Inverter Front & Resolver N

X093-26 Analog Out Resolver Excitation +
X093-16 Analog Out Resolver Excitation-
X093-17 Analog In Resolver Sine +
X093-7 Analog In Resolver Sine -
X093-8 Analog In Resolver Cosine +
X093-27 Analog In Resolver Cosine -
X093-28 Analog In Stator Temp +
X093-18 Analog In Stator temp -
X093

TWIST_RES51-A
+RES51-A YE 0.13 MCIV
AWD 1990.0 1068769-XX-D
+RES52-A BU 0.13 MCIV
AWD 1990.0 1068769-XX-D
TWIST_RES53-A
+RES53-A GN 0.13 MCIV
AWD 1990.0 1068769-XX-D
+RES54-A RD 0.13 MCIV
AWD 1990.0 1068769-XX-D
TWIST_RES55-A
+RES55-A VT 0.13 MCIV
AWD 1990.0 1068769-XX-D
+RES56-A BN 0.13 MCIV
AWD 1990.0 1068769-XX-D
+RES57-A WH 0.13 MCIV
AWD 1895.0 1068769-XX-D
+RES58-A GY 0.13 MCIV
AWD 1895.0 1068769-XX-D

TWIST_RES51-A
TWIST_RES53-A
TWIST_RES55-A

X094-3 Analog In Resolver Excitation+
X094-8 Analog In Resolver Excitation-
X094-4 Analog In Resolver Sine +
X094-9 Analog In Resolver Sine -
X094-5 Analog In Resolver Cosine +
X094-10 Analog In Resolver Cosine -
X094-1 Analog In Stator temp +
X094-6 Analog In Stator temp -
X094

Drive Inverter Rear & Resolver X

X090-15 Vref Output Accel 1 +5V
X090-25 Analog In Accel 1 signal
X090-6 Ground Return Accel 1 ground
X090-14 Vref Output Accel 2 +5V
X090-24 Analog In Accel 2 signal
X090-5 Ground Return Accel 2 ground

+DRV01-A RD 0.13 MCIV
1173.0 1067968-XX-E
+DRV02-A GY 0.13 MCIV
1173.0 1067968-XX-E
+DRV03-A YE 0.13 MCIV
1173.0 1067968-XX-E
+DRV04-A BN 0.13 MCIV
1173.0 1067968-XX-E
+DRV05-A GN 0.13 MCIV
1173.0 1067968-XX-E
+DRV06-A VT 0.13 MCIV
1173.0 1067968-XX-E

X950F 1 2 3 14 15 16
X950M 1 2 3 14 15 16

+DRV01-B RD 0.13 MCIV
5290.0 1067954-XX-E
+DRV02-B GY 0.13 MCIV
5290.0 1067954-XX-E
+DRV03-B YE 0.13 MCIV
5290.0 1067954-XX-E
+DRV04-B BN 0.13 MCIV
5290.0 1067954-XX-E
+DRV05-B GN 0.13 MCIV
5290.0 1067954-XX-E
+DRV06-B VT 0.13 MCIV
5290.0 1067954-XX-E

Accel Pedal Sensor A

X167-6 Power In Accel_Ref1
X167-5 Analog Out Accel_Sig1
X167-4 Ground Return Accel_Rtn1
X167-1 Power In Accel_Ref2
X167-2 Analog Out Accel_Sig2
X167-3 Ground Return Accel_Rtn2
X167

X090-11 Digital In Brake NO
+BRK02-B RD 0.35 FLRY
1422.0 1067968-XX-E
X952F 15 X952M 15
+BRK02-I RD 0.35 FLRY
3200.0 1067955-XX-E
X936M 3 X936F 3
+BRK02-E RD 0.35 FLRY
2852.0 1067954-XX-E
Z1-BRK02
+BRK02-A RD 0.35 FLRY
1226.0 1067954-XX-E

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

X031-26 Digital In - Wake Brake Switch Normally Open
X031

X090-21 Digital In Brake NC
+BRK04-A BN 0.35 FLRY
LHD || RHD 1422.0 1067968-XX-E
16 16
+BRK04-D BN 0.35 FLRY
3200.0 1067955-XX-E
9 9
+BRK04-B BN 0.35 FLRY
5342.0 1067954-XX-E
+BRK02-C RD 0.35 FLRY
597.0 1067954-XX-E

Brake Pedal Switch A

X168-2 Analog Out NO Out
X168-4 Analog Out NC Out
X168-1 Power In NO In
X168-3 Power In NC In
X168
+G193-A BK 0.50 FLRY
2431.0 1067954-XX-E
+G194-A BK 0.50 FLRY
2431.0 1067954-XX-E
X168

GND A BPILLAR G031 1

X090-1 Digital In Proximity
+DRV31-B WH 0.13 MCIV
1173.0 1067968-XX-E
X950F 11 X950M 11
+DRV31-A WH 0.13 MCIV
1160.0 1067954-XX-E

Charge Port ECU A

X096-4 Digital Out PROX_OUT
X096

Drive Unit Oil Pump Rear X

X090-10 LIN Oil Pump Status
+DRV11-A YE 0.13 MCIV
1619.0 1067968-XX-E
X092-2 LIN Oil Pump Status
X092

X090-26 Analog Out Resolver Excitation +
X090-16 Analog Out Resolver Excitation-
X090-17 Analog In Resolver Sine +
X090-7 Analog In Resolver Sine -
X090-8 Analog In Resolver Cosine +
X090-27 Analog In Resolver Cosine -
X090-28 Analog In Stator Temp +
X090-18 Analog In Stator temp -
X090

TWIST_RES01-A
+RES01-A YE 0.35 FLRY
1535.0 1067968-XX-E
+RES02-A BK 0.35 FLRY
1535.0 1067968-XX-E
TWIST_RES03-A
+RES03-A GN 0.35 FLRY
1535.0 1067968-XX-E
+RES04-A RD 0.35 FLRY
1535.0 1067968-XX-E
TWIST_RES05-A
+RES05-A VT 0.35 FLRY
1535.0 1067968-XX-E
+RES06-A BU 0.35 FLRY
1535.0 1067968-XX-E
+RES07-A WH 0.35 FLRY
1461.0 1067968-XX-E
+RES08-A GY 0.35 FLRY
1461.0 1067968-XX-E

TWIST_RES01-A
TWIST_RES03-A
TWIST_RES05-A

Drive Inverter Rear & Resolver X

X091-3 Analog In Resolver Excitation+
X091-8 Analog In Resolver Excitation-
X091-4 Analog In Resolver Sine+
X091-9 Analog In Resolver Sine-
X091-5 Analog In Resolver Cosine+
X091-10 Analog In Resolver Cosine -
X091-1 Analog In Stator temp +
X091-6 Analog In Stator temp -
X091

TESLA

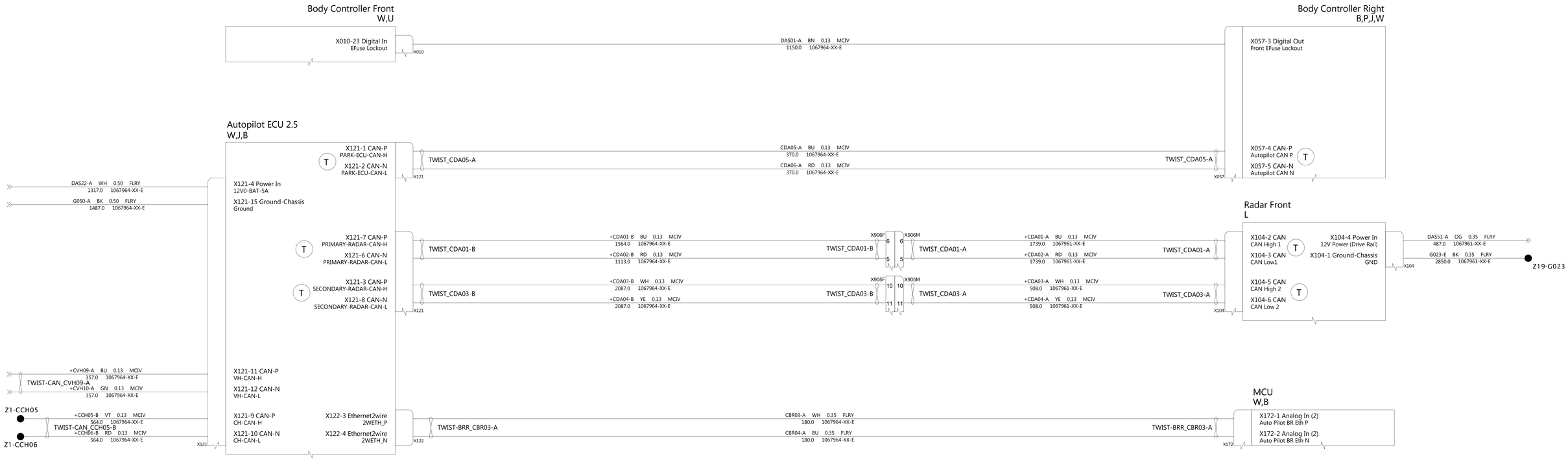
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Drive Inverters

PART NUMBER	REV	SHEET	SIZE
	2	17 OF 29	A0



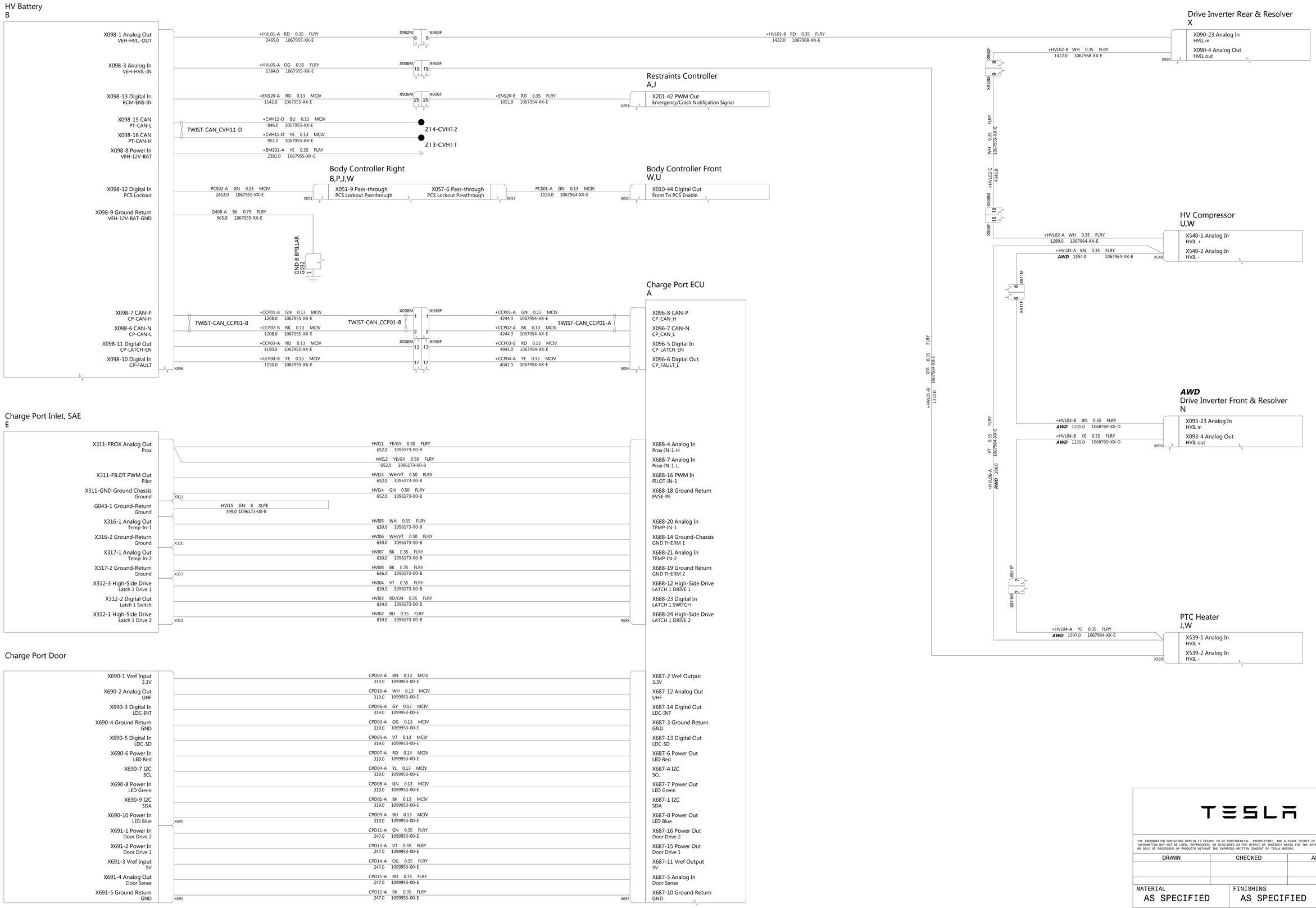
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSO WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Driver Assistance

PART NUMBER	REV	SHEET	SIZE
	2	18 OF 29	A0



TESLA

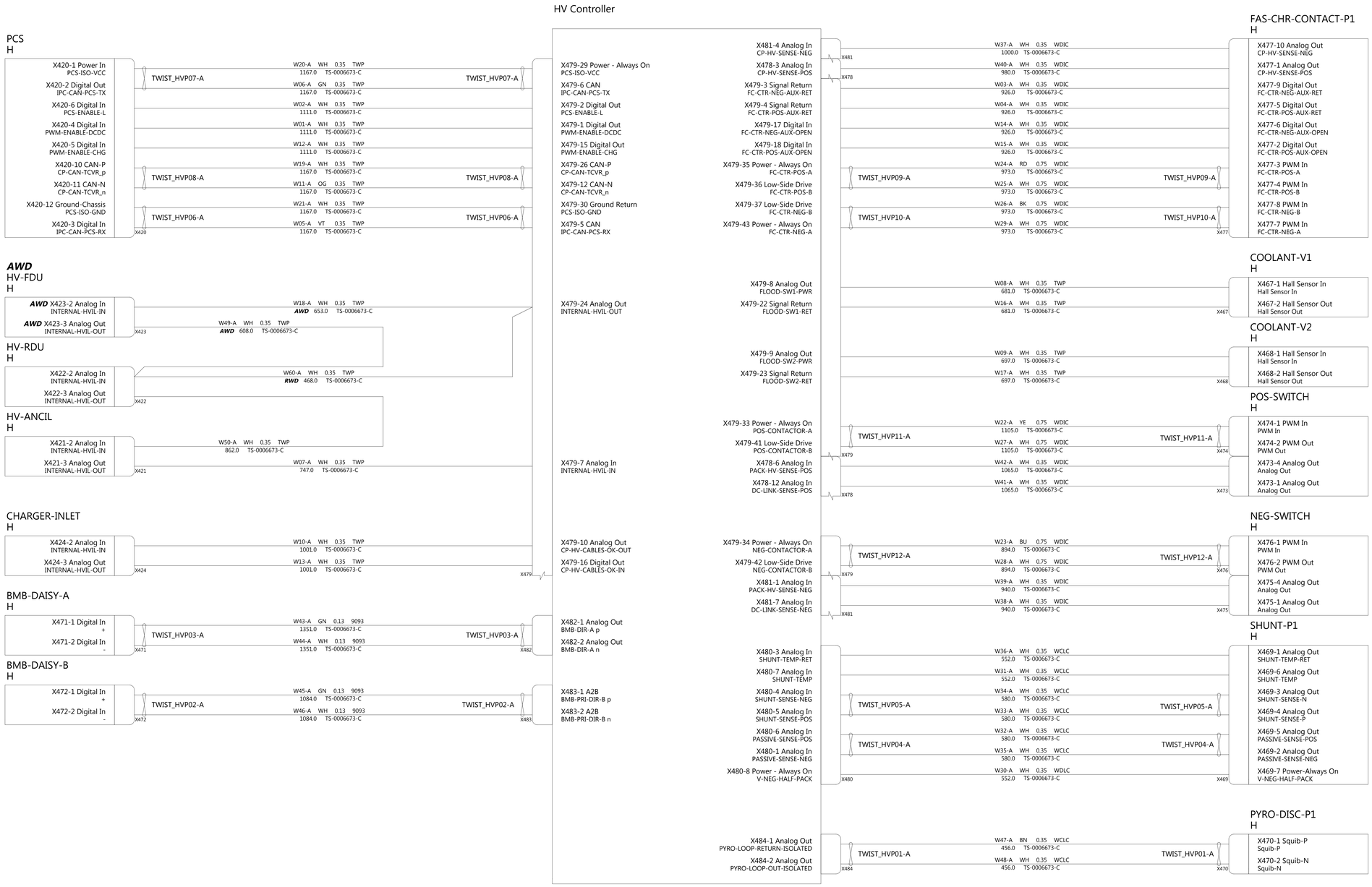
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HV Battery and HVIL

PART NUMBER	REV	SHEET	SIZE
	2	19 OF 29	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	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HV Penthouse

PART NUMBER	REV	SHEET	SIZE
	2	20 OF 29	A0

Body Controller Right
B,P,J,W

X058-19 Vref Output
HVAC Shared 5V

X058-5 Analog In
HVAC Right Bleed Duct Position

X058-9 Half-Bridge
HVAC Right Bleed CCW

X058-23 Half-Bridge
HVAC Lower Mode CW

X058-2 Analog In
HVAC Lower Mode Duct Position

X058-24 Half-Bridge
HVAC Lower Mode CCW

X058-27 Half-Bridge
HVAC Intake CW

X058-4 Analog In
HVAC Intake Duct Position

X058-28 Half-Bridge
HVAC Intake CCW

X058-10 Half-Bridge
HVAC Left Bleed CW

X058-6 Analog In
HVAC Left Bleed Duct Position

X058-11 Half-Bridge
HVAC Left Bleed CCW

X058-25 Half-Bridge
HVAC Upper Mode CW

X058-3 Analog In
HVAC Upper Duct Position

X058-26 Half-Bridge
HVAC Upper Mode CCW

X058-13 Analog In
HVAC Left Vent Duct Temp

X058-16 Analog In
HVAC Right Vent Duct Temp

X058-17 Analog In
HVAC Evaporator Temp

X058-20 Ground Return
HVAC Shared Ground Return

X058

HVC005V-F RD 0.35 FLRY
1000.25 HVAC_CASE

Z1-HVC005V

HVC005V-B RD 0.35 FLRY
397.0 HVAC_CASE

HVC019-A WH 0.35 FLRY
1243.25 HVAC_CASE

HVC018-A PK 0.35 FLRY
1243.25 HVAC_CASE

HVC005V-D RD 0.35 FLRY
700.0 HVAC_CASE

HVC004-A VT/GN 0.35 FLRY
1700.25 HVAC_CASE

HVC006-A BU 0.35 FLRY
1700.25 HVAC_CASE

HVC005-A RD 0.35 FLRY
1700.25 HVAC_CASE

HVC005V-A RD 0.35 FLRY
205.0 HVAC_CASE

HVC005V-E RD 0.35 FLRY
647.0 HVAC_CASE

HVC001-A BU 0.35 FLRY
1205.25 HVAC_CASE

HVC003-A WH 0.35 FLRY
1205.25 HVAC_CASE

HVC002-A VT/GN 0.35 FLRY
1205.25 HVAC_CASE

HVC005V-C RD 0.35 FLRY
445.0 HVAC_CASE

HVCGND-C BK 0.35 FLRY
492.0 HVAC_CASE

HVC10-A BU 0.35 FLRY
1493.25 HVAC_CASE

HVC012-A WH 0.35 FLRY
1493.25 HVAC_CASE

HVC011-A PK 0.35 FLRY
1493.25 HVAC_CASE

HVCGND-A BK 0.35 FLRY
360.0 HVAC_CASE

HVCGND-B BK 0.35 FLRY
1100.0 HVAC_CASE

HVCGND-H BK 0.35 FLRY
987.0 HVAC_CASE

HVC007-A VT/GN 0.35 FLRY
1445.25 HVAC_CASE

HVC009-A VT/GN 0.35 FLRY
1445.25 HVAC_CASE

HVC008-A PK 0.35 FLRY
1445.25 HVAC_CASE

HVCGND-D BK 0.35 FLRY
732.0 HVAC_CASE

HVC516-A VT/GN 0.35 FLRY
1658.25 HVAC_CASE

HVCGND-E BK 0.35 FLRY
525.0 HVAC_CASE

HVC6137-A BK 0.35 FLRY
1478.25 HVAC_CASE

HVCGND-F BK 0.35 FLRY
765.0 HVAC_CASE

HVC517-A WH 0.35 FLRY
1743.25 HVAC_CASE

HVCGND-I BK 0.35 FLRY
1133.25 HVAC_CASE

HVCGND-G BK 0.35 FLRY
610.0 HVAC_CASE

Z1-HVCGND

HVAC Case
HVAC_CASE

X552

X552-4 Power In
Vref Potentiometer (+5V)

X552-5 Analog Out
Potentiometer Feedback

X552-7 Analog In
CCW Input

X552-6 Ground Return
Vref Return Actuator (GND)

X553

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 Return
Vref Return Actuator (GND)

X554

X554-3 Power In
Vref Potentiometer (+5V)

X554-5 Analog In
CW Input

X554-2 Analog Out
Potentiometer Feedback

X554-6 Analog In
CCW Input

X554-1 Ground Return
Vref Return Actuator (GND)

X555

X555-4 Power In
Vref Potentiometer (+5V)

X555-3 Analog In
CW Input

X555-5 Analog Out
Potentiometer Feedback

X555-7 Analog In
CCW Input

X555-6 Ground Return
Vref Return Actuator (GND)

X556

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 Return
Vref Return Actuator (GND)

X547

X547-1 Analog Out
Signal

X547-2 Ground Return
Vref Return (GND)

X550

X550-1 Analog Out
Signal

X550-2 Ground Return
Vref Return (GND)

X551

X551-1 Analog Out
Signal

X551-2 Ground Return
Vref Return (GND)

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

X038-2 Half-Bridge
HVAC Blower Motor Phase A

X038-4 Half-Bridge
HVAC Blower Motor Phase B

X038-1 Half-Bridge
HVAC Blower Motor Phase C

X030-3 Pass-through
Driver Inboard Airbag Passthrough P

X038

SH_THC01-A

TWIST_THC01-A

THC04-A BK 0.50 FLRY
5.0 1067960-XX-E

Z1-THC04

THC01-A RD 4.00 FLRB
1085.0 1067960-XX-E

THC02-A BK 4.00 FLRB
1085.0 1067960-XX-E

THC03-A OG 4.00 FLRB
1085.0 1067960-XX-E

SH_THC01-A

TWIST_THC01-A

THC04-B BK 0.50 FLRY
721.0 1067960-XX-E

Z2-THC04

Blower Motor
J

X536

X536-1 Half-Bridge
Phase 1 (U)

X536-2 Half-Bridge
Phase 2 (V)

X536-4 Half-Bridge
Phase 3 (W)

X536-3 Ground Return
GND Shielding if Needed

TESLA

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 EXPRESSD WRITTEN CONSENT OF TESLA MOTORS.

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HVAC Case Subassembly

PART NUMBER	REV	SHEET	SIZE
	2	21 OF 29	A0

Body Controller Front
W,U

X021-1 Vref Output
Refrigerant Discharge 5V

X021-2 Analog In
Refrigerant Discharge Pressure

X021-3 Analog In
Refrigerant Discharge Temp

X021-4 Ground Return
Refrigerant Discharge GND

TH001-A GN 0.13 MCIV
818.0 1068767-XX-E

TH002-A GY 0.13 MCIV
818.0 1068767-XX-E

TH003-A WH 0.13 MCIV
818.0 1068767-XX-E

TH004-A BN 0.13 MCIV
818.0 1068767-XX-E

Refrigerant Temp and Pressure Sensor - Discharge
U

X515-4 Power In
Vref

X515-2 Analog Out
Press

X515-3 Analog Out
Temp

X515-1 Ground Return
Ground

X515

X021-5 Ground Return
Refrigerant Suction GND

X021-6 Analog In
Refrigerant Suction Temp

X021-7 Analog In
Refrigerant Suction Pressure

X021-8 Vref Output
Refrigerant Suction 5V

TH005-A VT 0.13 MCIV
717.0 1068767-XX-E

TH006-A GN 0.13 MCIV
717.0 1068767-XX-E

TH007-A BU 0.13 MCIV
717.0 1068767-XX-E

TH008-A BK 0.13 MCIV
717.0 1068767-XX-E

Refrigerant Temp and Pressure Sensor - Suction
U

X514-1 Ground Return
Ground

X514-3 Analog Out
Temp

X514-2 Analog Out
Press

X514-4 Power In
Vref

X514

X021-33 Half-Bridge
Coolant Pump Battery Phase A

X021-32 Half-Bridge
Coolant Pump Battery Phase B

X021-31 Half-Bridge
Coolant Pump Battery Phase C

X021-34 Ground Return
Battery Coolant Pump GND Shield

SH_TH010-A

TWIST_TH010-A

SHIELD895

TH011-A RD 1.00 FLRY
1166.0 1068767-XX-E

TH012-A YE 1.00 FLRY
1166.0 1068767-XX-E

TH013-A BU 1.00 FLRY
1166.0 1068767-XX-E

SH_TH010-A

TWIST_TH010-A

SHIELD895

Z43-TH014

TH014-A BK 0.35 FLRY
150.0 1068767-XX-E

Battery Coolant Pump
U

X508-1 Power In
Phase 1

X508-2 Power In
Phase 2

X508-3 Power In
Phase 3

X508-4 Ground-Chassis
GND

X508

X021-52 Half-Bridge
Coolant Pump Powertrain Phase A

X021-51 Half-Bridge
Coolant Pump Powertrain Phase B

X021-50 Half-Bridge
Coolant Pump Powertrain Phase C

X021-29 Ground Return
Powertrain Coolant Pump GND Shield

SH_TH020-A

TWIST_TH020-A

SHIELD896

TH021-A GN 1.00 FLRY
564.0 1068767-XX-E

TH022-A WH 1.00 FLRY
564.0 1068767-XX-E

TH023-A VT 1.00 FLRY
564.0 1068767-XX-E

SH_TH020-A

TWIST_TH020-A

SHIELD896

Z47-TH024

TH024-A BK 0.35 FLRY
150.0 1068767-XX-E

Powertrain Coolant Pump
U

X510-1 Power In
Phase 1

X510-2 Power In
Phase 2

X510-3 Power In
Phase 3

X510-4 Ground Return
GND

X510

X021-19 Digital Out
Coolant Level Conductive Sensor

X021-40 Ground Return
Coolant Level Switch GND

TH031-A BU 0.35 FLRY
463.0 1068767-XX-E

TH032-A GY 0.35 FLRY
463.0 1068767-XX-E

Coolant Level Switch
U

X512-1 Analog Out
Capacitive Sensor

X512-3 Ground Return
GND

X512

X021-16 Analog In
Coolant Temp 1

X021-38 Ground Return
Coolant Temp 1 GND

TH033-A VT 0.35 FLRY
928.0 1068767-XX-E

TH034-A WH 0.35 FLRY
928.0 1068767-XX-E

Coolant Temp Sensor - Battery
U

X517-1 Analog Out
Sensor In

X517-2 Ground Return
GND

X517

X021-17 Analog In
Coolant Temp 2

X021-39 Ground Return
Coolant Temp 2 GND

TH035-A YE 0.35 FLRY
466.0 1068767-XX-E

TH036-A RD 0.35 FLRY
466.0 1068767-XX-E

Coolant Temp Sensor - Powertrain
U

X518-1 Analog Out
Sensor In

X518-2 Ground Return
GND

X518

X021-46 Half-Bridge
5-Way Coolant Valve B

X021-24 Half-Bridge
5-Way Coolant Valve A

X021-22 Hall Sensor In
5-Way Coolant Valve Hall

X021-23 Ground Return
5-Way Coolant Valve Sensor GND

TH042-A GN 0.13 MCIV
1248.0 1068767-XX-E

TH041-A RD 0.13 MCIV
1248.0 1068767-XX-E

TH044-A BN 0.13 MCIV
1248.0 1068767-XX-E

TH043-A GY 0.13 MCIV
1248.0 1068767-XX-E

5-way Valve
U

X520-1 Half-Bridge
Motor +

X520-2 Half-Bridge
Motor -

X520-3 Hall Sensor Out
VBatt

X520-4 Ground Return
Ground

X520

X021-25 Half-Bridge
HVAC Chiller EXV Phase A

X021-47 Half-Bridge
HVAC Chiller EXV Phase B

X021-26 Half-Bridge
HVAC Chiller EXV Phase C

X021-48 Half-Bridge
HVAC Chiller EXV Phase D

TH045-A YE 0.13 MCIV
763.0 1068767-XX-E

TH046-A GY 0.13 MCIV
763.0 1068767-XX-E

TH047-A BU 0.13 MCIV
763.0 1068767-XX-E

TH048-A BN 0.13 MCIV
763.0 1068767-XX-E

Chiller EXV
U

X521-1 Half-Bridge
Stepper Motor A YN

X521-3 Half-Bridge
Stepper Motor B YP

X521-2 Half-Bridge
Stepper Motor C XN

X521-4 Half-Bridge
Stepper Motor D XP

X521

X021-15 High-Side Drive
HV Compressor Controller LV Power

X021-21 Pass-through
Vehicle CAN P

X021-43 Pass-through
Vehicle CAN N

X021-37 Ground Return
HVAC Compressor Controller LV GND

TWIST_CVH01_TH-A

TH051-A BU 0.35 FLRY
694.0 1068767-XX-E

CVH01_TH-A WH 0.35 FLRY
729.0 1068767-XX-E

CVH02_TH-A YE 0.35 FLRY
729.0 1068767-XX-E

TH052-A GY 0.35 FLRY
694.0 1068767-XX-E

X021

TWIST_CVH01_TH-A

HV Compressor
U,W

X530-1 Power In
Power

X530-2 CAN
CAN HIGH

X530-3 CAN
CAN LOW

X530-4 Ground Return
GND

X530

HV Compressor
U,W

THG01-A BK 4.00 FLRB
1016.0 1068767-XX-E

X531-1 Analog In
Analog In

X531

G019

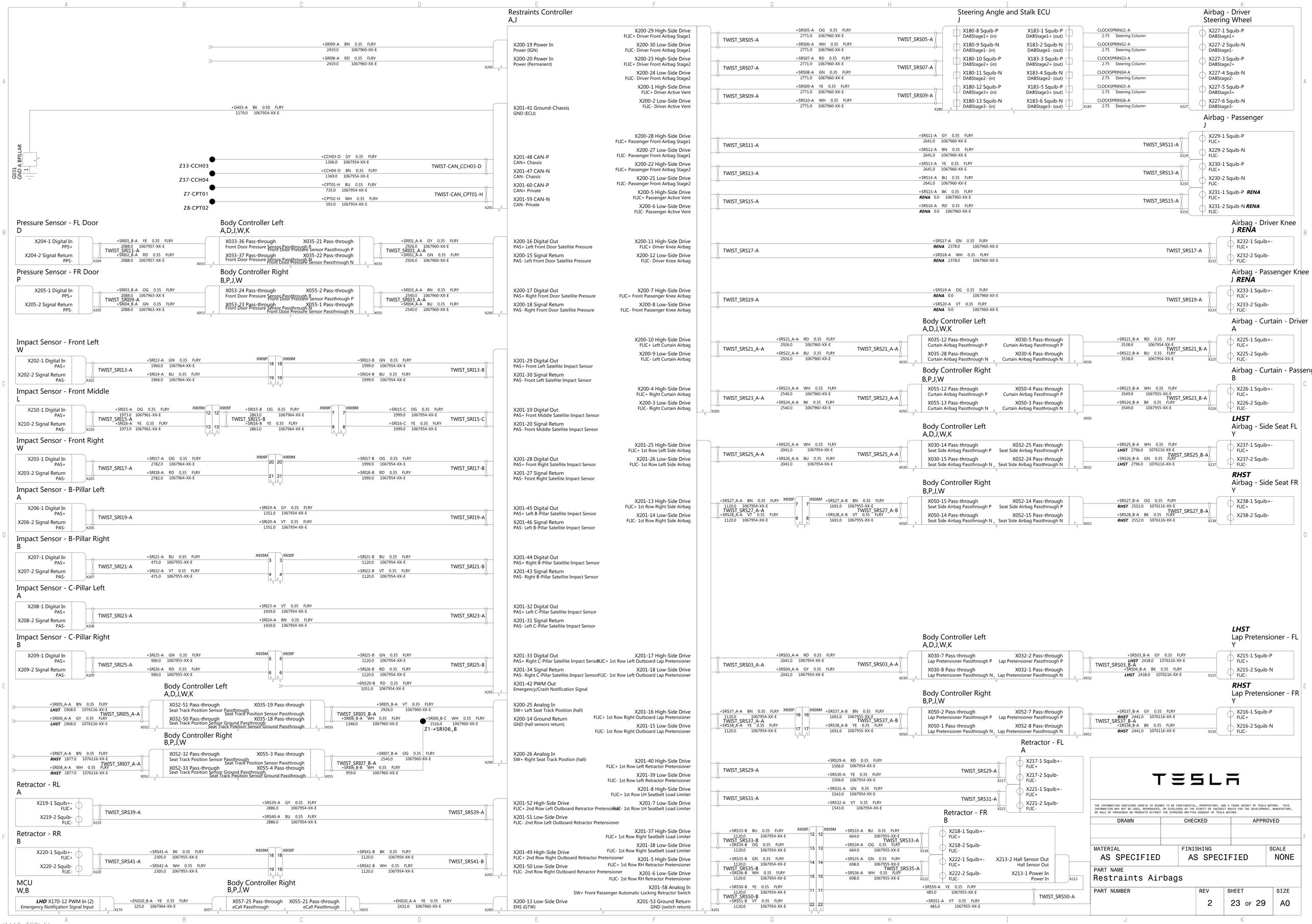
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

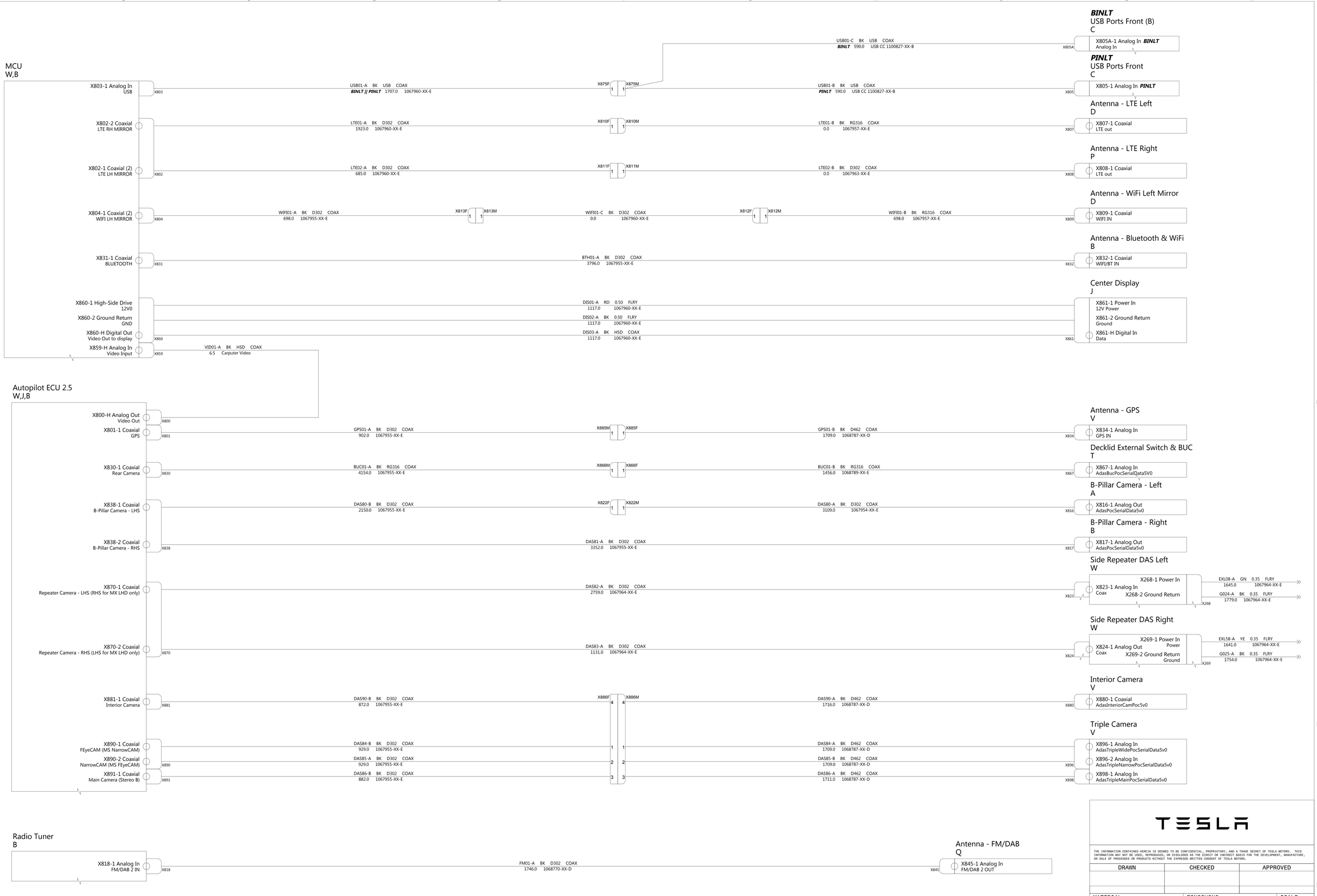
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HVAC Thermal Subassembly

PART NUMBER	REV	SHEET	SIZE
	2	22 OF 29	A0


Restraints Controller A,J
Steering Angle and Stalk ECU J
Airbag - Driver Steering Wheel
Airbag - Passenger J
Pressure Sensor - FL Door D
Body Controller Left A,D,J,W,K
Airbag - Driver Knee J RENA
Pressure Sensor - FR Door P
Body Controller Right B,P,J,W
Airbag - Passenger Knee J RENA
Impact Sensor - Front Left W
Airbag - Curtain - Driver A
Impact Sensor - Front Middle L
Airbag - Curtain - Passenger B
LHST Airbag - Side Seat FL Y
Impact Sensor - Front Right W
RHST Airbag - Side Seat FR Y
Impact Sensor - B-Pillar Left A
Impact Sensor - B-Pillar Right B
Impact Sensor - C-Pillar Left A
LHST Lap Pretensioner - FL Y
Impact Sensor - C-Pillar Right B
RHST Lap Pretensioner - FR Y
Retractor - FL A
Retractor - RL A
Retractor - FR B
Retractor - RR B
MCU W,B
TESLA
DRAWN
CHECKED
APPROVED
MATERIAL
AS SPECIFIED
FINISHING
AS SPECIFIED
SCALE
NONE
PART NAME
Restraints Airbags
PART NUMBER
REV
2
SHEET
23 OF 29
SIZE
A0



TESLA

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 EXPRESSO WRITTEN CONSENT OF TESLA MOTORS.

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
RF/Special Cables

PART NUMBER	REV	SHEET	SIZE
	2	24 OF 29	A0

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

X032-49 High-Side Drive
Lumbar ECU

X032-18 LIN
Lumbar ECU LIN

SCL01-A RD 0.35 FLRY
LHST && PREMST 2472.0 1076116-XX-E

SCL02-A BN 0.35 FLRY
LHST && PREMST 2472.0 1076116-XX-E

X619

PREMST
Lumbar
Y

X619-1 Power In
+12V Power

X619-3 Pass-through
Power to Pump

X619-6 LIN
LIN

X619-4 Pass-through
Pump Ground

X619-2 Ground Return
Module Ground

X619

SCL03-A OG 0.35 FLRY
LHST && PREMST 301.0 1076116-XX-E

SCL04-A BU 0.35 FLRY
LHST && PREMST 301.0 1076116-XX-E

X620

PREMST
Lumbar
Y

X620-1 Power In
Power to Pump

X620-3 Ground Return
Ground

SCL80-I BK 0.35 FLRY
LHST && PREMST 892.0 1076116-XX-E

X032-9 Half-Bridge
Seat Front Backrest Up

X032-10 Half-Bridge
Seat Front Backrest Down

X032-4 Hall Sensor In
Seat Front Backrest Hall

TWIST_SCL09-A

SCL09-A YE 0.75 FLRY
LHST && PREMST 2537.0 1076116-XX-E

SCL10-A BK 0.75 FLRY
LHST && PREMST 2537.0 1076116-XX-E

SCL11-A OG 0.35 FLRY
LHST && PREMST 2537.0 1076116-XX-E

TWIST_SCL09-A

PREMST
Seat Backrest Pitch Front
Y

X613

X613-1 Power In
Power (U+ = SEAT FORWARD, CW)

X613-3 Power In
Power (U+ = SEAT REARWARD, CCW)

X613-2 PWM Out
Hall Effect

X613-4 Ground Return
Hall Effect

X613

X032-31 High-Side Drive
Seat Front Heat Pad Backrest

X032-26 Ground Return
Heat Pad Backrest Ground Return

SCL13-A RD 0.50 FLRY
LHST 1746.0 1076116-XX-E

SCL14-A BU 0.50 FLRY
LHST 1746.0 1076116-XX-E

X616

Heat Pad Backrest Front
Y

X616-2 Power In
Heat +12V

X616-1 Ground Return
Heat GND

X032-32 High-Side Drive
Seat Front Heat Pad Cushion

X032-48 Ground Return
Heat Pad Cushion Ground Return

X032-22 Analog In
Seat Front Thermistor Cushion

SCL15-A YE 0.50 FLRY
LHST 1766.0 1076116-XX-E

SCL16-A GN 0.50 FLRY
LHST 1766.0 1076116-XX-E

SCL17-A GY 0.35 FLRY
LHST 1766.0 1076116-XX-E

X617

Heat Pad Cushion Front
Y

X617-2 Power In
Heater Supply

X617-1 Ground Return
Heater GND

X617-3 Analog In
NTC +

X617-4 Ground Return
NTC - Supply (GND)

X617

SCL80-A BK 0.35 FLRY
LHST 181.0 1076116-XX-E

SCL80-H BK 0.35 FLRY
LHST && PREMST 595.0 1076116-XX-E

X032-34 Half-Bridge
Seat Front Lift Down

X032-33 Half-Bridge
Seat Front Lift Up

X032-3 Hall Sensor In
Seat Front Lift Hall

TWIST_SCL18-B

SCL18-A GN 0.75 FLRY
LHST 1841.0 1076116-XX-E

SCL19-A WH 0.75 FLRY
LHST 1841.0 1076116-XX-E

SCL20-A VT 0.35 FLRY
LHST 1841.0 1076116-XX-E

TWIST_SCL18-B

Lift Motor
Y

X618

X618-3 Half-Bridge
Down

X618-1 Half-Bridge
Up

X618-2 Hall Sensor Out
Hall effect signal

X618-4 Ground Return
Hall effect ground

X618

SCL80-F BK 0.35 FLRY
LHST 193.0 1076116-XX-E

X032-6 Ground Return
Seat Front Shared Ground Return

SCL80-J BK 0.35 FLRY
LHST 1673.0 1076116-XX-E

Z1-SCL80

X032-51 Pass-through
Seat Track Position Sensor Passthrough

X032-50 Pass-through
Seat Track Position Sensor Ground Passthrough

TWIST_SRI05_A-A

+SRI05_A-A BN 0.35 FLRY
LHST 1968.0 1076116-XX-E

+SRI06_A-A GY 0.35 FLRY
LHST 1968.0 1076116-XX-E

TWIST_SRI05_A-A

Seat Track Position Sensor
Y

X624

X624-2 Analog Out
Signal

X624-1 Ground Return
Return

X624

X032-12 Half-Bridge
Seat Front Track Forward

X032-13 Half-Bridge
Seat Front Track Reverse

X032-5 Hall Sensor In
Seat Front Track Hall

TWIST_SCL23-A

SCL23-A BU 1.00 FLRY
LHST && PREMST 1939.0 1076116-XX-E

SCL24-A GY 1.00 FLRY
LHST && PREMST 1939.0 1076116-XX-E

SCL25-A WH 0.13 MCIV
LHST && PREMST 1939.0 1076116-XX-E

TWIST_SCL23-A

PREMST
Track Motor
Y

X614

X614-1 Power In
Fore

X614-5 Power In
Aft

X614-4 Hall Sensor Out
Hall effect signal

X614-2 Ground Return
Hall effect ground

X614

SCL80-C BK 0.35 FLRY
LHST && PREMST 281.0 1076116-XX-E

SCL80-G BK 0.35 FLRY
LHST 669.0 1076116-XX-E

SCL80-B BK 0.35 FLRY
DRIVR && LHST 173.0 1076116-XX-E

SCL80-D BK 0.35 FLRY
LHST 500.0 1076116-XX-E

SCL80-E BK 0.35 FLRY
LHST && PREMST 286.0 1076116-XX-E

X032-42 Analog In
Seat Front Lumbar Switch

X032-44 Analog In
Seat Front Track Backrest Switch

X032-43 Analog In
Seat Front Lift Switch

SCL26-A RD 0.13 MCIV
LHST && PREMST 2224.0 1076116-XX-E

SCL27-A YE 0.35 FLRY
LHST && PREMST 2224.0 1076116-XX-E

SCL28-A VT 0.13 MCIV
LHST 2224.0 1076116-XX-E

Seat Switchpack Front Left
YL

X631

X631-3 Analog Out ***LHST && PREMST***
Lumbar

X631-2 Analog Out ***LHST && PREMST***
Track/Backrest

X631-1 Analog Out
Lift/Tilt

X631-4 Ground Return
Ground

X631

X032-41 Analog In
Seat Driver Occupancy Sensor

SCL29-A OG 0.35 FLRY
DRIVR && LHST 1728.0 1076116-XX-E

DRIVR
Occupancy Sensor Front
Y

X622

X622-1 Analog Out
Signal

X622-2 Ground Return
Return

X622

X032-27 Analog In
Seat Front Buckle Sensor

SCL32-A YE 0.35 FLRY
LHST 2158.0 1076116-XX-E

X610

LHST
Seatbelt Buckle Switch Front Left
Y

X610-1 Power In
Power In

X610-2 Ground Return
Ground Return

X610

X032-36 Half-Bridge
Seat Front Tilt Up

X032-37 Half-Bridge
Seat Front Tilt Down

X032-47 Hall Sensor In
Seat Front Tilt Hall

X032

TWIST_SCL40-A

SCL40-A YE 0.75 FLRY
LHST && PREMST 1791.0 1076116-XX-E

SCL41-A VT 0.75 FLRY
LHST && PREMST 1791.0 1076116-XX-E

SCL42-A OG 0.35 FLRY
LHST && PREMST 1791.0 1076116-XX-E

TWIST_SCL40-A

PREMST
Tilt Motor
Y

X621

X621-1 Half-Bridge
Up

X621-3 Half-Bridge
Down

X621-4 Hall Sensor Out
Hall effect signal

X621-2 Ground Return
Hall effect ground

X621

TESLA

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 EXPRESSO WRITTEN CONSENT OF TESLA MOTORS.

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Seats Front Left

PART NUMBER	REV	SHEET	SIZE
	2	25 OF 29	A0

Body Controller Right
B,P,J,W

X052-34 High-Side Drive
Lumbar ECU

X052-21 LIN
Lumbar ECU LIN

PREMST Lumbar Y

X619-1 Power In
+12V Power

X619-6 LIN
LIN

X619-3 Pass-through
Power to Pump

X619-4 Pass-through
Pump Ground

X619-2 Ground Return
Module Ground

SCR01-A RD 0.35 FLRY
PREMST && RHST 2475.0 1076116-XX-E

SCR02-A BN 0.35 FLRY
PREMST && RHST 2475.0 1076116-XX-E

SCR03-A OG 0.35 FLRY
PREMST && RHST 301.0 1076116-XX-E

SCR04-A BU 0.35 FLRY
PREMST && RHST 301.0 1076116-XX-E

PREMST Lumbar Y

X620-1 Power In
Power to Pump

X620-3 Ground Return
Ground

SCR80-I BK 0.35 FLRY
PREMST && RHST 892.0 1076116-XX-E

X052-30 Half-Bridge
Seat Front Backrest Up

X052-29 Half-Bridge
Seat Front Backrest Down

X052-5 Hall Sensor In
Seat Front Backrest Hall

TWIST_SCR09-A

SCR09-A YE 0.75 FLRY
PREMST && RHST 2540.0 1076116-XX-E

SCR10-A BK 0.75 FLRY
PREMST && RHST 2540.0 1076116-XX-E

SCR11-A OG 0.35 FLRY
PREMST && RHST 2540.0 1076116-XX-E

PREMST Seat Backrest Pitch Front Y

TWIST_SCR09-A

X613-1 Power In
Power (U+ = SEAT FORWARD, CW)

X613-3 Power In
Power (U+ = SEAT REARWARD, CW)

X613-2 PWM Out
Hall Effect

X613-4 Ground Return
Hall Effect

X052-52 High-Side Drive
Seat Front Heat Pad Backrest

X052-13 Ground Return
Heat Pad Backrest Ground Return

SCR13-A RD 0.50 FLRY
RHST 1749.0 1076116-XX-E

SCR14-A BU 0.50 FLRY
RHST 1749.0 1076116-XX-E

Heat Pad Backrest Front Y

X616-2 Power In
Heat +12V

X616-1 Ground Return
Heat GND

X052-51 High-Side Drive
Seat Front Heat Pad Cushion

X052-35 Ground Return
Heat Pad Cushion Ground Return

X052-17 Analog In
Seat Front Thermistor Cushion

SCR15-A YE 0.50 FLRY
RHST 1769.0 1076116-XX-E

SCR16-A GN 0.50 FLRY
RHST 1769.0 1076116-XX-E

SCR17-A GY 0.35 FLRY
RHST 1769.0 1076116-XX-E

Heat Pad Cushion Front Y

X617-2 Power In
Heater Supply

X617-1 Ground Return
Heater GND

X617-3 Analog In
NTC +

X617-4 Ground Return
NTC - Supply (GND)

SCR80-A BK 0.35 FLRY
RHST 181.0 1076116-XX-E

SCR80-H BK 0.35 FLRY
PREMST && RHST 957.0 1076116-XX-E

X052-49 Half-Bridge
Seat Front Lift Down

X052-50 Half-Bridge
Seat Front Lift Up

X052-6 Hall Sensor In
Seat Front Lift Hall

TWIST_SCR18-A

SCR18-A GN 0.75 FLRY
RHST 1844.0 1076116-XX-E

SCR19-A WH 0.75 FLRY
RHST 1844.0 1076116-XX-E

SCR20-A VT 0.35 FLRY
RHST 1844.0 1076116-XX-E

Lift Motor Y

TWIST_SCR18-A

X618-3 Half-Bridge
Down

X618-1 Half-Bridge
Up

X618-2 Hall Sensor Out
Hall effect signal

X618-4 Ground Return
Hall effect ground

SCR80-F BK 0.35 FLRY
RHST 133.0 1076116-XX-E

X052-3 Ground Return
Seat Front Shared Ground Return

SCR80-C BK 0.35 FLRY
RHST 1673.0 1076116-XX-E

Z1-SCR80

X052-32 Pass-through
Seat Track Position Sensor Passthrough

X052-33 Pass-through
Seat Track Position Sensor Ground Passthrough

TWIST_SRI07_A-A

+SRI07_A-A BN 0.35 FLRY
RHST 1877.0 1076116-XX-E

+SRI08_A-A WH 0.35 FLRY
RHST 1877.0 1076116-XX-E

Seat Track Position Sensor Y

TWIST_SRI07_A-A

X624-2 Analog Out
Signal

X624-1 Ground Return
Return

PREMST Track Motor Y

X052-27 Half-Bridge
Seat Front Track Forward

X052-26 Half-Bridge
Seat Front Track Reverse

X052-4 Hall Sensor In
Seat Front Track Hall

TWIST_SCR23-A

SCR23-A BU 1.00 FLRY
PREMST && RHST 1942.0 1076116-XX-E

SCR24-A GY 1.00 FLRY
PREMST && RHST 1942.0 1076116-XX-E

SCR25-A WH 0.13 MCIV
PREMST && RHST 1942.0 1076116-XX-E

TWIST_SCR23-A

X614-1 Power In
Fore

X614-5 Power In
Aft

X614-4 Hall Sensor Out
Hall effect signal

X614-2 Ground Return
Hall effect ground

SCR80-B BK 0.35 FLRY
PREMST && RHST 281.0 1076116-XX-E

SCR80-G BK 0.35 FLRY
RHST 566.0 1076116-XX-E

SCR80-J BK 0.35 FLRY
DRIVR && RHST 173.0 1076116-XX-E

SCR80-E BK 0.35 FLRY
RHST 603.0 1076116-XX-E

SCR80-D BK 0.35 FLRY
PREMST && RHST 286.0 1076116-XX-E

X052-41 Analog In
Seat Front Lumbar Switch

X052-39 Analog In
Seat Front Track Backrest Switch

X052-40 Analog In
Seat Front Lift Switch

SCR26-A RD 0.13 MCIV
PREMST && RHST 2227.0 1076116-XX-E

SCR27-A YE 0.35 FLRY
PREMST && RHST 2227.0 1076116-XX-E

SCR28-A VT 0.13 MCIV
RHST 2227.0 1076116-XX-E

Seat Switchpack Front Right Y

X661-3 Analog Out
Lumbar
RHST && PREMST

X661-2 Analog Out
Track/Backrest
PREMST && RHST

X661-1 Analog Out
Lift/Tilt

X661-4 Ground Return
Ground

DRIVR Occupancy Sensor Front Y

X052-42 Analog In
Seat Driver Occupancy Sensor

SCR29-A OG 0.35 FLRY
DRIVR && RHST 1731.0 1076116-XX-E

X622-1 Analog Out
Signal

X622-2 Ground Return
Return

PASSN OCS Y

X052-20 High-Side Drive
Occupant Classification ECU

X052-44 CAN-P
Chassis CAN P

X052-45 CAN-N
Chassis CAN N

X052-22 Ground Return
Occupanct Classification ECU Ground Return

TWIST_CCH05_FRS-A

SCR30-A BU 0.13 MCIV
PASSN && RHST 1721.0 1076116-XX-E

+CCH05_FRS-A GN 0.13 MCIV
PASSN && RHST 1808.0 1076116-XX-E

+CCH06_FRS-A YE 0.13 MCIV
PASSN && RHST 1808.0 1076116-XX-E

SCR31-A YE 0.13 MCIV
PASSN && RHST 1721.0 1076116-XX-E

TWIST_CCH05_FRS-A

X652-4 Power In
Power

X652-2 CAN
CAN-H

X652-1 CAN
CAN-L

X652-3 Ground-Chassis
Ground

OCS Sandwich

Upper Electrode-1

Lower Electrode-2

Upper Electrode
80.0 1121234-00-B

Lower Electrode
80.0 1121234-00-B

X241-1 Analog In
Upper Electrode

X241-2 Analog In
Lower Electrode

OCS Self-Capacitance

Cushion-1

Seatback-2

Cushion
245.0 1098785-00-A

Seatback
245.0 1098785-00-A

X242-1 Analog In
Cushion Self Sensor

X242-2 Analog In
Seatback Self Sensor

RHST Seatbelt Buckle Switch Front Right Y

X052-12 Analog In
Seat Front Buckle Sensor

SCR32-A YE 0.35 FLRY
RHST 2164.0 1076116-XX-E

X640-1 Power In
Power In

X640-2 Ground Return
Ground Return

PREMST Tilt Motor Y

X052-47 Half-Bridge
Seat Front Tilt Up

X052-46 Half-Bridge
Seat Front Tilt Down

X052-36 Hall Sensor In
Seat Front Tilt Hall

TWIST_SCR40-A

SCR40-A YE 0.75 FLRY
PREMST && RHST 1794.0 1076116-XX-E

SCR41-A VT 0.75 FLRY
PREMST && RHST 1794.0 1076116-XX-E

SCR42-A OG 0.35 FLRY
PREMST && RHST 1794.0 1076116-XX-E

TWIST_SCR40-A

X621-1 Half-Bridge
Up

X621-3 Half-Bridge
Down

X621-4 Hall Sensor Out
Hall effect signal

X621-2 Ground Return
Hall effect ground

X052

TESLA

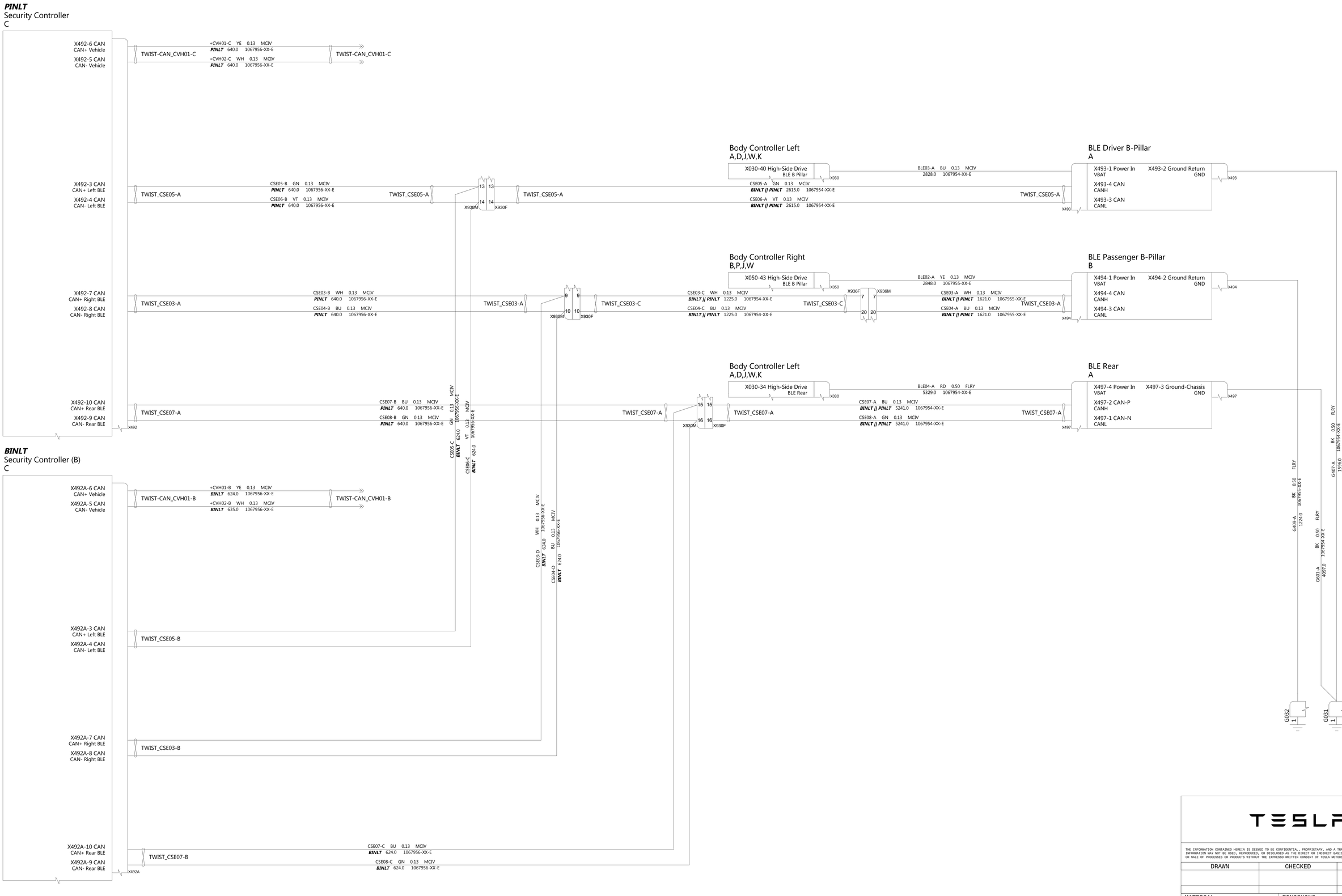
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Seats Front Right

PART NUMBER	REV	SHEET	SIZE
	2	26 OF 29	A0



TESLA

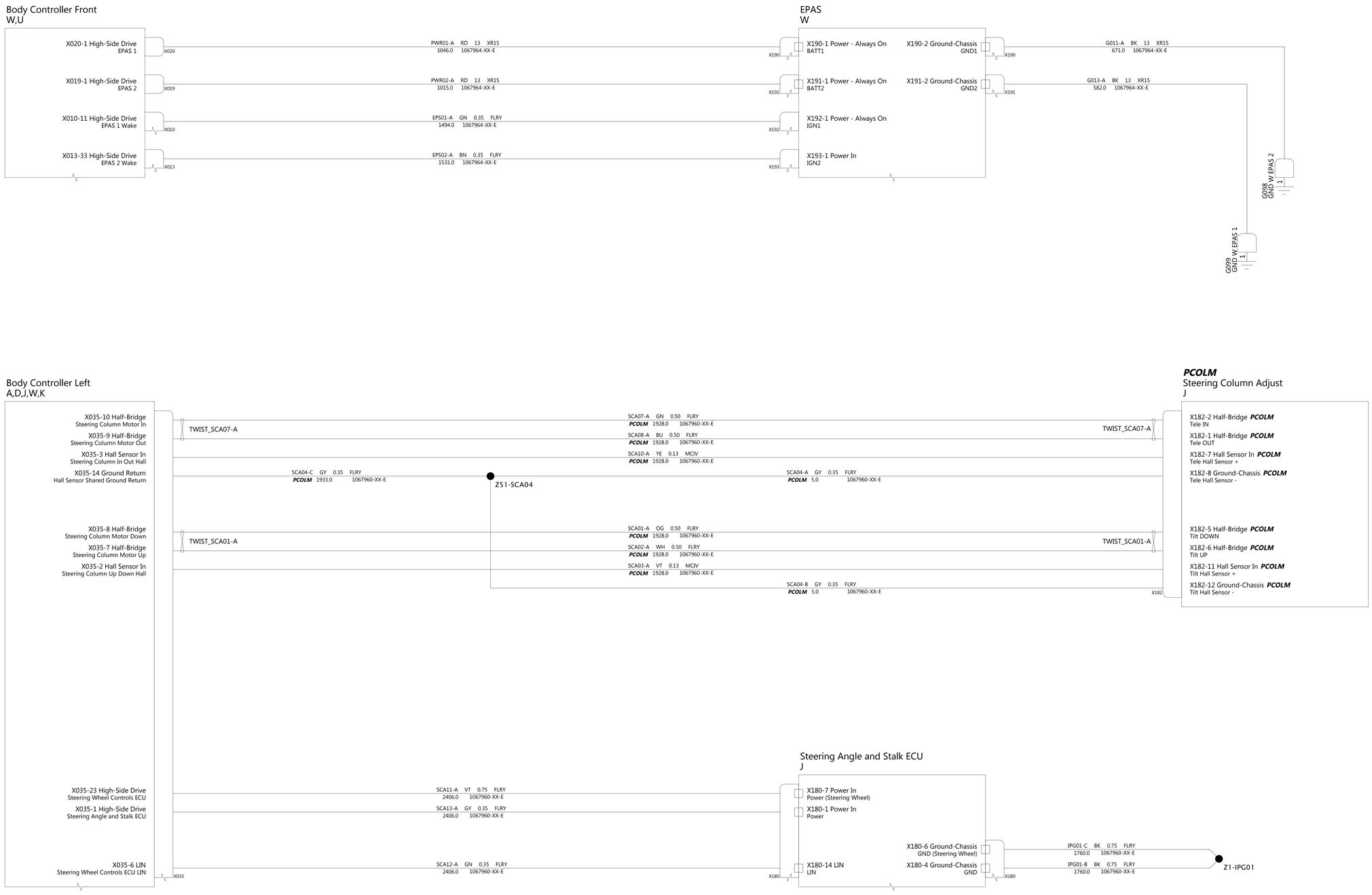
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSO WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Security Controls

PART NUMBER	REV	SHEET	SIZE
	2	27 OF 29	A0



TESLA

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 EXPRESSO WRITTEN CONSENT OF TESLA MOTORS.

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Steering

PART NUMBER	REV	SHEET	SIZE
	2	28 OF 29	A0

TESLA

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 EXPRESSO WRITTEN CONSENT OF TESLA MOTORS.

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Ultrasonics

PART NUMBER	REV	SHEET	SIZE
	2	29 OF 29	A0

Body Controller Front
W,U

Horn Right - High Tone
L

X199-1 Power In — Power — X199
BCM21-B BU 0.50 FLRY 428.0 1067961-XX-D — X905M 14 | 14 X905F — BCM21-A BU 0.50 FLRY 1849.586998 1067964-XX-E

Horn Left - Low Tone
L

X198-1 Power In — Power — X198
BCM22-B RD 0.50 FLRY 801.0 1067961-XX-D — X905M 15 | 15 X905F — BCM22-A RD 0.50 FLRY 1849.586998 1067964-XX-E

Radar Front
L

X104-4 Power In — 12V Power (Drive Rail) — X104
DAS51-A OG 0.35 FLRY 478.0 1067961-XX-D — X905M 2 | 2 X905F — DAS51-B OG 0.35 FLRY 1849.586998 1067964-XX-E

Emergency Frunk Release Switch
L

X333-3 PWM In — Illumination — X333
SEC22-B GY 0.35 FLRY 611.0 1067961-XX-D — X906M 7 | 7 X906F — SEC22-A GY 0.35 FLRY 1654.000001 1067964-XX-E

Homelink ECU
L

X485-1 Power In — Power In — X485
BCM01-A WH 0.13 MCIV 592.0 1067961-XX-D — X905M 8 | 8 X905F — BCM01-B WH 0.13 MCIV 1849.586998 1067964-XX-E

Frunk Latch
L

X331-1 Power In — Latch Release — X331
SEC13-B BU 0.35 FLRY 973.0 1067961-XX-D — X906M 12 | 12 X906F — SEC13-A BU 0.35 FLRY 1654.000001 1067964-XX-E

Glass Heater - Windshield
W

X304-1 Power In — UpperHeater+ — X304
HWA21-A YE 0.35 FLRY 557.09233 1067964-XX-E

Frunk Access Post
F

X355-1 Power In — Power — X355
JMP01-B OG 1.00 FLRY 1832.0 1067958-XX-D — X901F 1 | 1 X901M — JMP01-A OG 1.00 FLRY 2059.183116 1067964-XX-E

Autopilot ECU 2.5
W,J,B

X121-4 Power In — 12V0-BAT-5A — X121
DAS22-A WH 0.50 FLRY 1894.307692 1067964-XX-E

Drive Inverter Front & Resolver
N ***AWD***

X093-22 Power In — Unswitched +12V — X093
PT052-B YE 0.13 MCIV ***AWD*** 1232.0 1068769-XX-D — X911F 11 | 11 X911M — PT052-A YE 0.13 MCIV ***AWD*** 754.000001 1067964-XX-E

Drive Inverter Front & Resolver
N ***AWD***

X093-3 Power In — Switched +12V — X093
PT051-B GN 0.35 FLRY ***AWD*** 1232.0 1068769-XX-D — X911F 10 | 10 X911M — PT051-A GN 0.35 FLRY ***AWD*** 754.000001 1067964-XX-E

TXV Evaporator Solenoid
W

X523-1 Power In — Power — X523
TH049-A VT 0.35 FLRY 577.545085 1067964-XX-E

Drive Unit Oil Pump Front
N ***AWD***

X095-1 Power In — Switched +12V — X095
PT061-B VT 1.00 FLRY ***AWD*** 1308.0 1068769-XX-D — X911F 1 | 1 X911M — PT061-A VT 1.00 FLRY ***AWD*** 754.000001 1067964-XX-E

Frunk Latch
L

X330-1 Power In — Latch Release
X330-2 Ground-Chassis — Ground — X330
SEC11-B WH 0.35 FLRY 352.0 1067961-XX-D — X906M 10 | 10 X906F — SEC11-A WH 0.35 FLRY 1654.000001 1067964-XX-E
SEC12-B BK 0.35 FLRY 352.0 1067961-XX-D — X906M 11 | 11 X906F — SEC12-A BK 0.35 FLRY 1654.000001 1067964-XX-E

Windshield - Washer Pump & Level Sensor
W

X301-2 Power In — PWR-pump — X301
WPA22-A VT 0.50 FLRY 635.000001 1067964-XX-E

Frunk Latch
L

X331-2 Ground-Chassis — Ground — X331
SEC14-B GN 0.35 FLRY 973.0 1067961-XX-E — X906M 13 | 13 X906F — SEC14-A GN 0.35 FLRY 1654.000001 1067964-XX-E

MCU
W,B

X170-5 Power In (2) — Audio Power — X170
AUD01-A RD 2.00 FLRY 1744.307692 1067964-XX-E

X010

HCU/ESP
W

X151-1 Power In — +12V_MR — X151
ABS91-A OG 4 FLXB 816.000001 1067964-XX-E

Wiper Motor
W

X300-1 Power In — Power — X300
WPA01-A VT 2.50 FLRB 808.000001 1067964-XX-E

Condenser Fan
W

X525-1 Half-Bridge — Phase A
X525-2 Half-Bridge — Phase B
X525-3 Half-Bridge — Phase C
X525
SH_TH501-A — TWIST_TH501-A
TH501-A RD 5.00 FLRB 1411.000001 1067964-XX-E — SH_TH501-A
TH502-A YE 5.00 FLRB 1411.000001 1067964-XX-E — TWIST_TH501-A
TH503-A BU 5.00 FLRB 1411.000001 1067964-XX-E

X011

X010-31 High-Side Drive — Horn High Tone
X010-9 High-Side Drive — Horn Low Tone
X010-15 High-Side Drive — Radar
X010-16 High-Side Drive — Frunk LED
X010-18 High-Side Drive — Homelink ECU
X010-26 Half-Bridge — Frunk Latch Secondary Release
X010-25 High-Side Drive — Windshield Upper Glass Heater
X010-29 Power In — Frunk Access Post
X010-32 High-Side Drive — Autopilot 2
X010-34 High-Side Drive — Front Drive Inverter Discharge
X010-35 High-Side Drive — Front Drive Inverter
X010-36 High-Side Drive — Evaporator TXV Solenoid
X010-52 High-Side Drive — Front Drive Unit Oil Pump
X010-51 Half-Bridge — Frunk Latch Primary Release
X010-50 Half-Bridge — Frunk Latch Primary Reset
X010-48 High-Side Drive — Windshield Washer Fluid Pump
X010-47 Half-Bridge — Frunk Latch Secondary Reset
X010-46 High-Side Drive — MCU Audio

X011-1 High-Side Drive — HCU ESP ABS Motor
X011-3 High-Side Drive — Windshield Wiper Power
X011-4 Half-Bridge — Condenser Fan Phase A
X011-5 Half-Bridge — Condenser Fan Phase B
X011-6 Half-Bridge — Condenser Fan Phase C

X012-1 High-Side Drive — MCU Logic
X012-4 High-Side Drive — HCU ESP ABS Valve
X012-5 High-Side Drive — iBooster
X012-6 High-Side Drive — Autopilot 1
X013-7 High-Side Drive — Headlight Right
X013-9 High-Side Drive — Side Marker Right
X013-10 High-Side Drive — Fog Light Right
X013-11 High-Side Drive — Side Repeater Right
X013-18 High-Side Drive — Side Repeater Left
X013-19 High-Side Drive — Fog Light Left
X013-23 High-Side Drive — Side Marker Left
X013-22 High-Side Drive — Headlight Left
X013-24 High-Side Drive — iBooster Wake
X013-34 Half-Bridge — Active Louver Phase C
X013-35 Half-Bridge — Active Louver Phase B
X013-36 Half-Bridge — Active Louver Phase A
X013-33 High-Side Drive — EPAS 2 Wake
X010-11 High-Side Drive — EPAS 1 Wake

X012

MCU
W,B

AUD02-A GN 1.50 FLRY 1755.307692 1067964-XX-E — X170 — X170-4 Power - Always On (2) — Main Power

HCU/ESP
W

ABS92-A YE 1.50 FLRY 865.000001 1067964-XX-E — X151 — X151-25 Power In — +12V_VR

iBooster & DTS
W

BRK01-A RD 4.00 FLRB 479.0 1067964-XX-E — X150 — X150-1 Power In — +12V_UBB [motor positive]

Autopilot ECU 2.5
W,J,B

DAS21-A RD 2.00 FLRY 1905.307692 1067964-XX-E — X120 — X120-9 Power In — 12V0-BAT-20A

Headlamp Right
W

EXL51-A RD 1.00 FLRY 1930.213893 1067964-XX-E — X261 — X261-1 Power In — Power

Fascia Lamp Right
F ***FOG***

EXL56-A VT 0.35 FLRY ***FOG*** 2038.183116 1067964-XX-E — X901M 13 | 13 X901F — EXL56-B VT 0.35 FLRY ***FOG*** 610.0 1067958-XX-D — X263-1 Power In — Side marker
EXL57-A OG 0.35 FLRY ***FOG*** 2038.183116 1067964-XX-E — X901M 14 | 14 X901F — EXL57-B OG 0.35 FLRY ***FOG*** 610.0 1067958-XX-D — X263-2 Power In — Fog — X263

Side Repeater DAS Right
W

EXL58-A YE 0.35 FLRY 795.559017 1067964-XX-E — X269 — X269-1 Power In — Power

Side Repeater DAS Left
W

EXL08-A GN 0.35 FLRY 1436.000001 1067964-XX-E — X268 — X268-1 Power In — Power

Fascia Lamp Left
F ***FOG***

EXL07-A BU 0.35 FLRY ***FOG*** 2038.183116 1067964-XX-E — X901M 12 | 12 X901F — EXL07-B BU 0.35 FLRY ***FOG*** 2026.0 1067958-XX-D — X262-2 Power In — Fog
EXL06-A VT 0.35 FLRY ***FOG*** 2038.183116 1067964-XX-E — X901M 11 | 11 X901F — EXL06-B VT 0.35 FLRY ***FOG*** 2026.0 1067958-XX-D — X262-1 Power In — Side marker — X262

Headlamp Left
W

EXL01-A WH 1.00 FLRY 1479.790571 1067964-XX-E — X260 — X260-1 Power In — Power

iBooster & DTS
W

BRK05-A YE 0.35 FLRY 447.0 1067964-XX-E — X150 — X150-20 Power In — Wake

Active Louvre
L

SH_TH201-A — TWIST_TH201-A
TH203-A VT 0.35 FLRY 1633.000001 1067964-XX-E — X906F 3 | 3 X906M — TH203-B VT 0.35 FLRY 545.0 1067961-XX-D — SH_TH201-B — X506-2 Half-Bridge — Phase 3
TH202-A YE 0.35 FLRY 1633.000001 1067964-XX-E — X906F 1 | 1 X906M — TH202-B YE 0.35 FLRY 545.0 1067961-XX-D — TWIST_TH201-B — X506-3 Half-Bridge — Phase 2
TH201-A RD 0.35 FLRY 1633.000001 1067964-XX-E — X906F 2 | 2 X906M — TH201-B RD 0.35 FLRY 545.0 1067961-XX-D — X506-4 Half-Bridge — Phase 1 — X506

EPAS
W

EPS02-A BN 0.35 FLRY 1619.000001 1067964-XX-E — X193 — X193-1 Power In — IGN2

EPAS
W

EPS01-A GN 0.35 FLRY 1611.000001 1067964-XX-E — X192 — X192-1 Power - Always On — IGN1

= Shared E-Fuses

TESLA

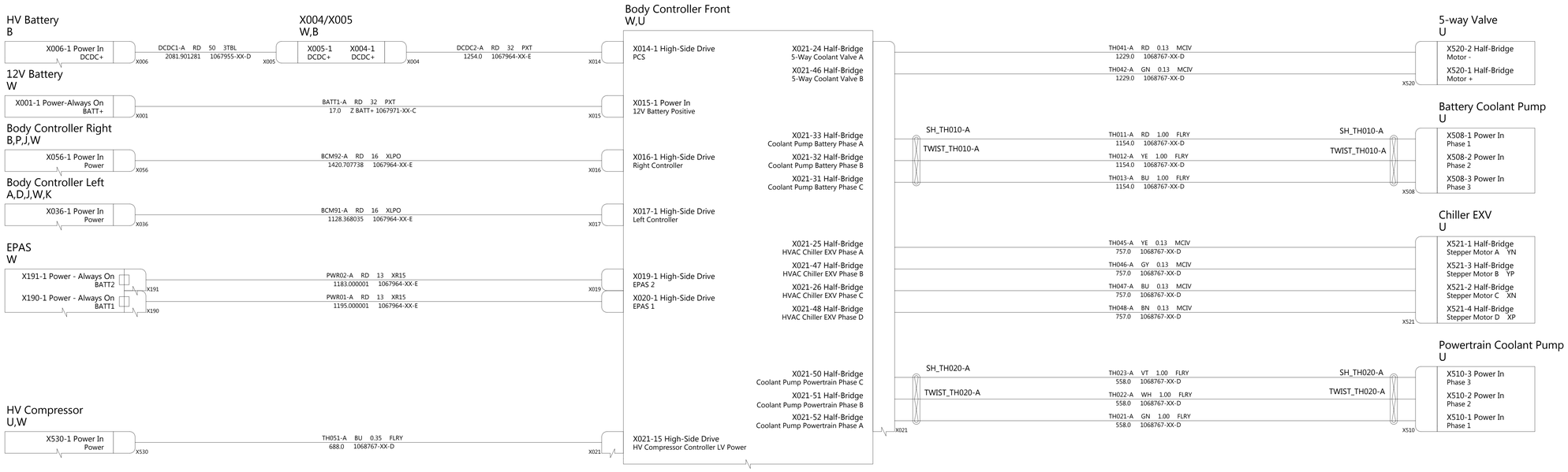
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA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

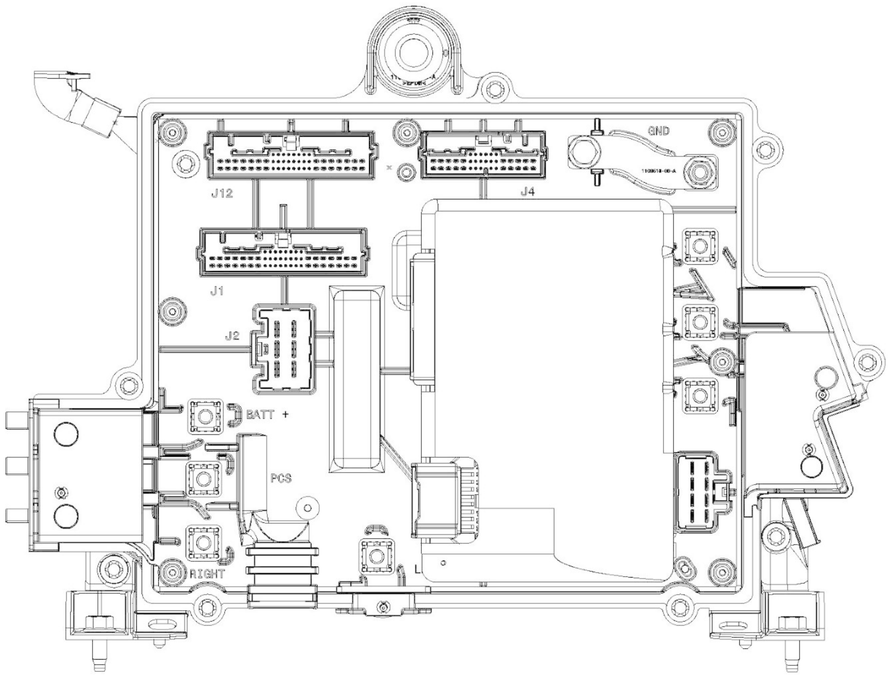
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Power Distribution, E-Fuse VCFront, J1-J4

PART NUMBER	REV	SHEET	SIZE
	2	1 OF 9	A0





TESLA

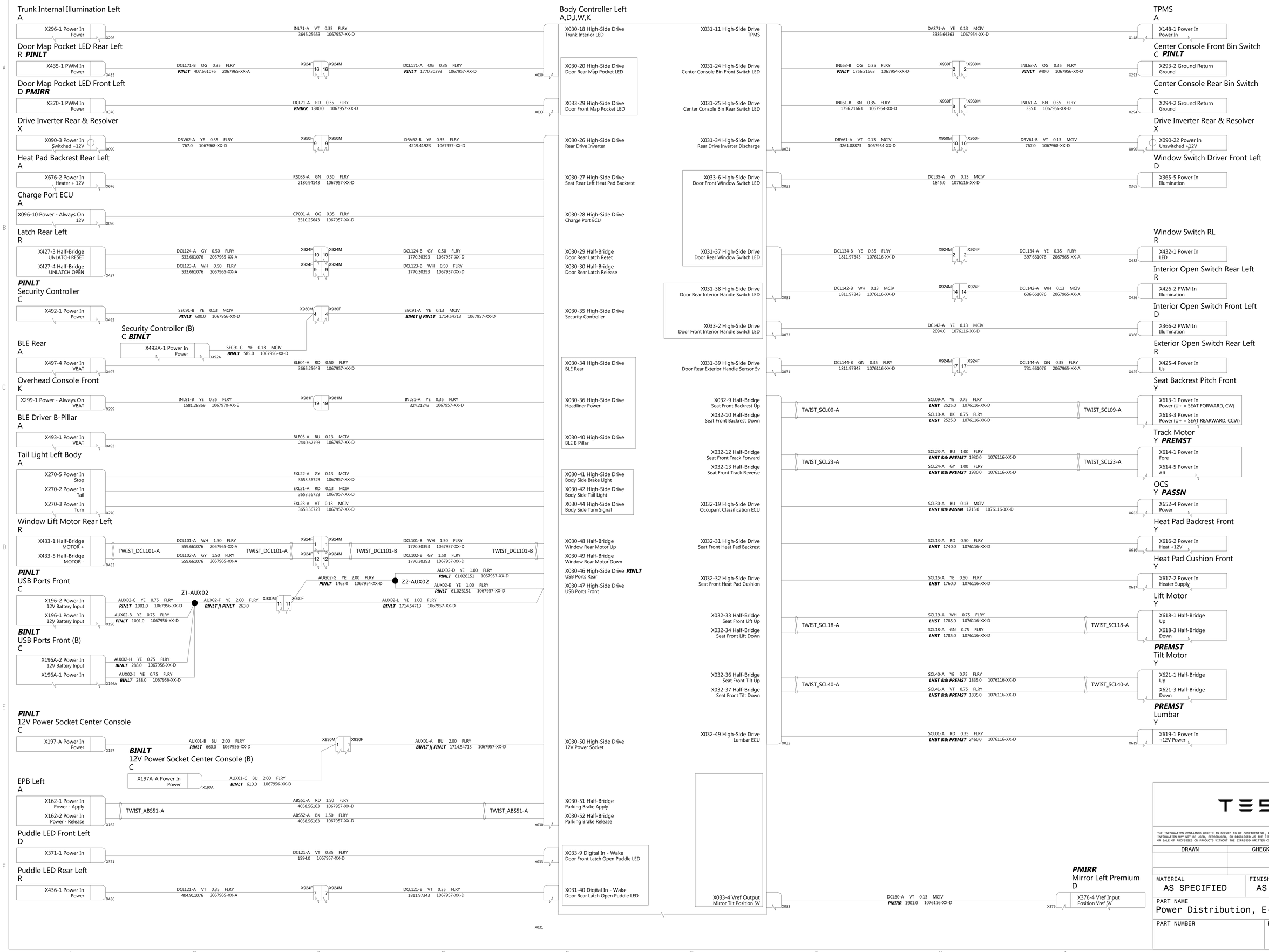
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCFront, J5-J11

PART NUMBER	REV	SHEET	SIZE
	2	2 OF 9	A0


Trunk Internal Illumination Left
A
X296-1 Power In
Power
X296
INL71-A VT 0.35 FLRY
3645.25653 1067957-XX-D
Door Map Pocket LED Rear Left
R PINLT
X435-1 PWM In
Power
X435
DCL171-B OG 0.35 FLRY
PINLT 407.661076 2067965-XX-A
X924F 16 16 X924M
DCL171-A OG 0.35 FLRY
PINLT 1770.30393 1067957-XX-D
Door Map Pocket LED Front Left
D PMIRR
X370-1 PWM In
Power
X370
DCL71-A RD 0.35 FLRY
PMIRR 1880.0 1067957-XX-D
Drive Inverter Rear & Resolver
X
X090-3 Power In
Switched +12V
X090
DRV62-A YE 0.35 FLRY
767.0 1067968-XX-D
X950F 9 9 X950M
DRV62-B YE 0.35 FLRY
4219.41923 1067957-XX-D
Heat Pad Backrest Rear Left
A
X676-2 Power In
Heater + 12V
X676
RS035-A GN 0.50 FLRY
2180.94143 1067957-XX-D
Charge Port ECU
A
X096-10 Power - Always On
12V
X096
CP001-A OG 0.35 FLRY
3510.25643 1067957-XX-D
Latch Rear Left
R
X427-3 Half-Bridge
UNLATCH RESET
X427-4 Half-Bridge
UNLATCH OPEN
X427
DCL124-A GY 0.50 FLRY
533.661076 2067965-XX-A
X924F 10 10 X924M
DCL124-B GY 0.50 FLRY
1770.30393 1067957-XX-D
DCL123-A WH 0.50 FLRY
533.661076 2067965-XX-A
X924F 9 9 X924M
DCL123-B WH 0.50 FLRY
1770.30393 1067957-XX-D
PINLT
Security Controller
C
X492-1 Power In
Power
X492
SEC91-B YE 0.13 MCIV
PINLT 600.0 1067956-XX-D
X930M 4 4 X930F
SEC91-A YE 0.13 MCIV
BINLT || PINLT 1714.54713 1067957-XX-D
Security Controller (B)
C BINLT
X492A-1 Power In
Power
X492A
SEC91-C YE 0.13 MCIV
BINLT 585.0 1067956-XX-D
BLE Rear
A
X497-4 Power In
VBAT
X497
BLE04-A RD 0.50 FLRY
3665.25643 1067957-XX-D
Overhead Console Front
K
X299-1 Power - Always On
VBAT
X299
INL81-B YE 0.35 FLRY
1581.28869 1067970-XX-E
X981F 19 19 X981M
INL81-A YE 0.35 FLRY
324.21243 1067957-XX-D
BLE Driver B-Pillar
A
X493-1 Power In
VBAT
X493
BLE03-A BU 0.13 MCIV
2440.67793 1067957-XX-D
Tail Light Left Body
A
X270-5 Power In
Stop
X270-2 Power In
Tail
X270-3 Power In
Turn
X270
EXL22-A GY 0.13 MCIV
3653.56723 1067957-XX-D
EXL21-A RD 0.13 MCIV
3653.56723 1067957-XX-D
EXL23-A VT 0.13 MCIV
3653.56723 1067957-XX-D
Window Lift Motor Rear Left
R
X433-1 Half-Bridge
MOTOR +
X433-5 Half-Bridge
MOTOR -
X433
TWIST_DCL101-A
DCL101-A WH 1.50 FLRY
559.661076 2067965-XX-A
DCL102-A GY 1.50 FLRY
559.661076 2067965-XX-A
TWIST_DCL101-A
X924F 1 1 X924M
X924F 12 12 X924M
TWIST_DCL101-B
DCL101-B WH 1.50 FLRY
1770.30393 1067957-XX-D
DCL102-B GY 1.50 FLRY
1770.30393 1067957-XX-D
TWIST_DCL101-B
PINLT
USB Ports Front
C
X196-2 Power In
12V Battery Input
X196-1 Power In
12V Battery Input
X196
AUX02-C YE 0.75 FLRY
PINLT 1001.0 1067956-XX-D
AUX02-B YE 0.75 FLRY
PINLT 1001.0 1067956-XX-D
Z1-AUX02
AUX02-F YE 2.00 FLRY
BINLT || PINLT 263.0
AUG02-G YE 2.00 FLRY
PINLT 1463.0 1067954-XX-D
Z2-AUX02
AUX02-D YE 1.00 FLRY
PINLT 61.026151 1067957-XX-D
AUX02-E YE 1.00 FLRY
PINLT 61.026151 1067957-XX-D
X930M 11 11 X930F
AUX02-L YE 1.00 FLRY
BINLT 1714.54713 1067957-XX-D
BINLT
USB Ports Front (B)
C
X196A-2 Power In
12V Battery Input
X196A-1 Power In
X196A
AUX02-H YE 0.75 FLRY
BINLT 288.0 1067956-XX-D
AUX02-I YE 0.75 FLRY
BINLT 288.0 1067956-XX-D
PINLT
12V Power Socket Center Console
C
X197-A Power In
Power
X197
AUX01-B BU 2.00 FLRY
PINLT 660.0 1067956-XX-D
X930M 1 1 X930F
AUX01-A BU 2.00 FLRY
BINLT || PINLT 1714.54713 1067957-XX-D
BINLT
12V Power Socket Center Console (B)
C
X197A-A Power In
Power
X197A
AUX01-C BU 2.00 FLRY
BINLT 610.0 1067956-XX-D
EPB Left
A
X162-1 Power In
Power - Apply
X162-2 Power In
Power - Release
X162
TWIST_ABS51-A
ABS51-A RD 1.50 FLRY
4058.56163 1067957-XX-D
ABS52-A BK 1.50 FLRY
4058.56163 1067957-XX-D
TWIST_ABS51-A
Puddle LED Front Left
D
X371-1 Power In
X371
DCL21-A VT 0.35 FLRY
1594.0 1067957-XX-D
Puddle LED Rear Left
R
X436-1 Power In
Power
X436
DCL121-A VT 0.35 FLRY
404.911076 2067965-XX-A
X924F 7 7 X924M
DCL121-B VT 0.35 FLRY
1811.97343 1067957-XX-D
Body Controller Left
A,D,J,W,K
X030-18 High-Side Drive
Trunk Interior LED
X030-20 High-Side Drive
Door Rear Map Pocket LED
X030
X033-29 High-Side Drive
Door Front Map Pocket LED
X033
X030-26 High-Side Drive
Rear Drive Inverter
X030-27 High-Side Drive
Seat Rear Left Heat Pad Backrest
X030-28 High-Side Drive
Charge Port ECU
X030-29 Half-Bridge
Door Rear Latch Reset
X030-30 Half-Bridge
Door Rear Latch Release
X030-35 High-Side Drive
Security Controller
X030-34 High-Side Drive
BLE Rear
X030-36 High-Side Drive
Headliner Power
X030-40 High-Side Drive
BLE B Pillar
X030-41 High-Side Drive
Body Side Brake Light
X030-42 High-Side Drive
Body Side Tail Light
X030-44 High-Side Drive
Body Side Turn Signal
X030-48 Half-Bridge
Window Rear Motor Up
X030-49 Half-Bridge
Window Rear Motor Down
X030-46 High-Side Drive PINLT
USB Ports Rear
X030-47 High-Side Drive
USB Ports Front
X030-50 High-Side Drive
12V Power Socket
X030-51 Half-Bridge
Parking Brake Apply
X030-52 Half-Bridge
Parking Brake Release
X033-9 Digital In - Wake
Door Front Latch Open Puddle LED
X031-40 Digital In - Wake
Door Rear Latch Open Puddle LED
X031
X031-11 High-Side Drive
TPMS
X031-24 High-Side Drive
Center Console Bin Front Switch LED
X031-25 High-Side Drive
Center Console Bin Rear Switch LED
X031-34 High-Side Drive
Rear Drive Inverter Discharge
X033-6 High-Side Drive
Door Front Window Switch LED
X031-37 High-Side Drive
Door Rear Window Switch LED
X031-38 High-Side Drive
Door Rear Interior Handle Switch LED
X033-2 High-Side Drive
Door Front Interior Handle Switch LED
X031-39 High-Side Drive
Door Rear Exterior Handle Sensor Sv
X032-9 Half-Bridge
Seat Front Backrest Up
X032-10 Half-Bridge
Seat Front Backrest Down
X032-12 Half-Bridge
Seat Front Track Forward
X032-13 Half-Bridge
Seat Front Track Reverse
X032-19 High-Side Drive
Occupant Classification ECU
X032-31 High-Side Drive
Seat Front Heat Pad Backrest
X032-32 High-Side Drive
Seat Front Heat Pad Cushion
X032-33 Half-Bridge
Seat Front Lift Up
X032-34 Half-Bridge
Seat Front Lift Down
X032-36 Half-Bridge
Seat Front Tilt Up
X032-37 Half-Bridge
Seat Front Tilt Down
X032-49 High-Side Drive
Lumbar ECU
X033-4 Vref Output
Mirror Tilt Position 5V
X033
X032
DAS71-A YE 0.13 MCIV
3386.64363 1067954-XX-D
X148-1 Power In
Power In
X148
INL63-B OG 0.35 FLRY
PINLT 1756.21663 1067954-XX-D
X930F 2 2 X930M
INL63-A OG 0.35 FLRY
PINLT 940.0 1067956-XX-D
X293-2 Ground Return
Ground
X293
INL61-B BN 0.35 FLRY
1756.21663 1067954-XX-D
X930F 8 8 X930M
INL61-A BN 0.35 FLRY
335.0 1067956-XX-D
X294-2 Ground Return
Ground
X294
DRV61-A VT 0.13 MCIV
4261.08873 1067954-XX-D
X950M 10 10 X950F
DRV61-B VT 0.13 MCIV
767.0 1067968-XX-D
X090-22 Power In
Unswitched +12V
X090
DCL35-A GY 0.13 MCIV
1845.0 1076116-XX-D
X365-5 Power In
Illumination
X365
DCL134-B YE 0.35 FLRY
1811.97343 1076116-XX-D
X924M 2 2 X924F
DCL134-A YE 0.35 FLRY
397.661076 2067965-XX-A
X432-1 Power In
LED
X432
DCL142-B WH 0.13 MCIV
1811.97343 1076116-XX-D
X924M 14 14 X924F
DCL142-A WH 0.13 MCIV
636.661076 2067965-XX-A
X426-2 PWM In
Illumination
X426
DCL42-A YE 0.13 MCIV
2094.0 1076116-XX-D
X366-2 PWM In
Illumination
X366
DCL144-B GN 0.35 FLRY
1811.97343 1076116-XX-D
X924M 17 17 X924F
DCL144-A GN 0.35 FLRY
731.661076 2067965-XX-A
X425-4 Power In
Us
X425
TWIST_SCL09-A
SCL09-A YE 0.75 FLRY
LHST 2525.0 1076116-XX-D
SCL10-A BK 0.75 FLRY
LHST 2525.0 1076116-XX-D
TWIST_SCL09-A
X613-1 Power In
Power (U+ = SEAT FORWARD, CW)
X613-3 Power In
Power (U+ = SEAT REARWARD, CCW)
TWIST_SCL23-A
SCL23-A BU 1.00 FLRY
LHST && PREMST 1930.0 1076116-XX-D
SCL24-A GY 1.00 FLRY
LHST && PREMST 1930.0 1076116-XX-D
TWIST_SCL23-A
X614-1 Power In
Fore
X614-5 Power In
Aft
SCL30-A BU 0.13 MCIV
LHST && PASSN 1715.0 1076116-XX-D
X652-4 Power In
Power
X652
SCL13-A RD 0.50 FLRY
LHST 1740.0 1076116-XX-D
X616-2 Power In
Heat +12V
X616
SCL15-A YE 0.50 FLRY
LHST 1760.0 1076116-XX-D
X617-2 Power In
Heater Supply
X617
TWIST_SCL18-A
SCL19-A WH 0.75 FLRY
LHST 1785.0 1076116-XX-D
SCL18-A GN 0.75 FLRY
LHST 1785.0 1076116-XX-D
TWIST_SCL18-A
X618-1 Half-Bridge
Up
X618-3 Half-Bridge
Down
TWIST_SCL40-A
SCL40-A YE 0.75 FLRY
LHST && PREMST 1835.0 1076116-XX-D
SCL41-A VT 0.75 FLRY
LHST && PREMST 1835.0 1076116-XX-D
TWIST_SCL40-A
X621-1 Half-Bridge
Up
X621-3 Half-Bridge
Down
SCL01-A RD 0.35 FLRY
LHST && PREMST 2460.0 1076116-XX-D
X619-1 Power In
+12V Power
X619
DCL60-A VT 0.13 MCIV
PMIRR 1901.0 1076116-XX-D
X376-4 Vref Input
Position Vref 5V
X376
TPMS
A
Center Console Front Bin Switch
C PINLT
Center Console Rear Bin Switch
C
Drive Inverter Rear & Resolver
X
Window Switch Driver Front Left
D
Window Switch RL
R
Interior Open Switch Rear Left
R
Interior Open Switch Front Left
D
Exterior Open Switch Rear Left
R
Seat Backrest Pitch Front
Y
Track Motor
Y PREMST
OCS
Y PASSN
Heat Pad Backrest Front
Y
Heat Pad Cushion Front
Y
Lift Motor
Y
PREMST
Tilt Motor
Y
PREMST
Lumbar
Y
PMIRR
Mirror Left Premium
D
TESLA
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 EXPRESSD WRITTEN CONSENT OF TESLA MOTORS.
DRAWN
CHECKED
APPROVED
MATERIAL
AS SPECIFIED
FINISHING
AS SPECIFIED
SCALE
NONE
PART NAME
Power Distribution, E-Fuse VCLeft, J1-J3
PART NUMBER
REV
2
SHEET
3 OF 9
SIZE
A0

PMIRR
Mirror Left Premium
D

X376-14 High-Side Drive EC (+) — X376

DCL56-A BN 0.13 MCIV
PMIRR 1901.0 1067960-XX-D

Exterior Open Switch Front Left
D

X367-4 Power In Us — X367

DCL44-A OG 0.35 FLRY
1826.0 1067960-XX-D

BMIRR
Mirror Left Base
D

X374-1 Half-Bridge Motor Tilt (Up- Down+)
X374-3 Half-Bridge Motor Pan (Left- Right+)
X374-5 Half-Bridge Motor Common — X374

DCL51-B VT 0.13 MCIV
BMIRR 1901.0 1067960-XX-D

DCL53-B WH 0.13 MCIV
BMIRR 1901.0 1067960-XX-D

DCL52-B YE 0.13 MCIV
BMIRR 1901.0 1067960-XX-D

PMIRR
Mirror Left Premium
D

X376-9 Half-Bridge Motor Tilt (Up+, Down-)
X376-2 Half-Bridge Fold (+), Unfold (-)
X376-10 Half-Bridge Fold (-), Unfold (+)
X376-3 Half-Bridge Motor Pan (Left-, Right+)
X376-8 Half-Bridge Motor Common
X376-1 High-Side Drive Heater (+) — X376

DCL51-A VT 0.13 MCIV
PMIRR 1901.0 1067960-XX-D

DCL58-A GN 0.13 MCIV
PMIRR 1901.0 1067960-XX-D

DCL59-A BU 0.13 MCIV
PMIRR 1901.0 1067960-XX-D

DCL53-A WH 0.13 MCIV
PMIRR 1901.0 1067960-XX-D

DCL52-A YE 0.13 MCIV
PMIRR 1901.0 1067960-XX-D

DCL55-A RD 0.35 FLRY
PMIRR 1901.0 1067960-XX-D

Latch Front Left
D

X380-3 Half-Bridge UNLATCH RESET
X380-4 Half-Bridge UNLATCH OPEN — X380

DCL24-A GY 0.50 FLRY
1620.0 1067960-XX-D

DCL23-A WH 0.50 FLRY
1620.0 1067960-XX-D

Window Lift Motor Front Left
D

X373-1 Half-Bridge MOTOR +
X373-5 Half-Bridge MOTOR - — X373

TWIST_DCL01-A

DCL01-A RD 1.50 FLRY
2081.0 1067960-XX-D

DCL02-A OG 1.50 FLRY
2081.0 1067960-XX-D

TWIST_DCL01-A — X033

Steering Angle and Stalk ECU
J

X180-1 Power In Power — X180

SCA13-A GY 0.35 FLRY
793.187 1067960-XX-D

X035

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

X033-1 Vref Output Mirror Dim
X033-3 High-Side Drive Door Front Exterior Handle Sensor 5v
X033-28 Half-Bridge Mirror Tilt Up Down
X033-10 Half-Bridge Mirror Fold
X033-11 Half-Bridge Mirror Unfold
X033-13 Half-Bridge Mirror Tilt Left Right
X033-14 Half-Bridge Mirror Tilt Common
X033-18 High-Side Drive Mirror Heat
X033-23 Half-Bridge Door Front Latch Reset
X033-24 Half-Bridge Door Front Latch Release
X033-25 Half-Bridge Window Front Motor Up
X033-26 Half-Bridge Window Front Motor Down
X034-5 High-Side Drive Trailer Light ECU — X034
X035-1 High-Side Drive Steering Angle and Stalk ECU — X035

X035-7 Half-Bridge Steering Column Motor Up
X035-8 Half-Bridge Steering Column Motor Down
X035-9 Half-Bridge Steering Column Motor Out
X035-10 Half-Bridge Steering Column Motor In
X035-23 High-Side Drive Steering Wheel Controls ECU
X035-24 High-Side Drive Footwell LED Front
X037-10 High-Side Drive Restraint Control Module
X038-2 Half-Bridge HVAC Blower Motor Phase A
X038-4 Half-Bridge HVAC Blower Motor Phase B
X038-1 Half-Bridge HVAC Blower Motor Phase C

X035

TWIST_SCA01-A

SCA02-A WH 0.50 FLRY
PCOLM 706.215 1067960-XX-D

SCA01-A OG 0.50 FLRY
PCOLM 706.215 1067960-XX-D

TWIST_SCA07-A

SCA08-A BU 0.50 FLRY
PCOLM 706.215 1067960-XX-D

SCA07-A GN 0.50 FLRY
PCOLM 706.215 1067960-XX-D

TWIST_SCA01-A

TWIST_SCA07-A

PCOLM
Steering Column Adjust
J

X182-6 Half-Bridge Tilt UP
X182-5 Half-Bridge Tilt DOWN
X182-1 Half-Bridge Tele OUT
X182-2 Half-Bridge Tele IN — X182

Steering Angle and Stalk ECU
J

X180-7 Power In Power (Steering Wheel) — X180

SCA11-A VT 0.75 FLRY
793.187 1067960-XX-D

Footwell LED Front Left
J

X280-1 Power In Power — X280

INL41-A RD 0.35 FLRY
165.555 1067960-XX-D

X037

+SRI96-A YE 0.35 FLRY
2650.500001 1067964-XX-D

X908F 10 10 X908M

+SRI96-B YE 0.35 FLRY
405.1736 1067960-XX-D

X050

Body Controller Right
B,P,J,W

X050-40 Pass-through Restraint Control Module Passthrough 2
X055-9 Pass-through Restraint Control Module Passthrough 2

X055

+SRI99-A BN 0.35 FLRY
1949.5748 1067960-XX-D

Restraints Controller
A,J

X200-19 Power In Power (IGN) — X200

SH_THC01-A

TWIST_THC01-A

X038

THC01-A RD 4.00 FLRB
1079.047107 1067960-XX-D

THC02-A BK 4.00 FLRB
1079.047107 1067960-XX-D

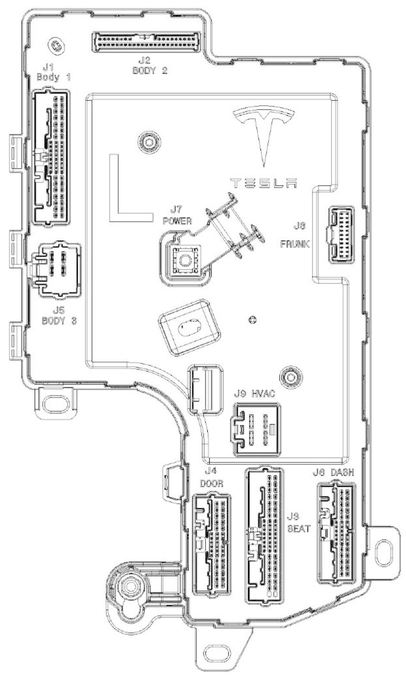
THC03-A OG 4.00 FLRB
1079.047107 1067960-XX-D

SH_THC01-A

TWIST_THC01-A

Blower Motor
J

X536-1 Half-Bridge Phase 1 (U)
X536-2 Half-Bridge Phase 2 (V)
X536-4 Half-Bridge Phase 3 (W) — X536



TESLA

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 EXPRESSD WRITTEN CONSENT OF TESLA MOTORS.

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCLeft, J4-J9

PART NUMBER	REV	SHEET	SIZE
	2	4 OF 9	A0

1/1(A0 TESLA)

Tail Light Liftgate RH
T
X273-3 Power In
Fog or Backup
X273
EXL75-A BU 0.35 FLRY
1534.0 1068789-XX-D
X954F 4 4 X954M
EXL75-B BU 0.13 MCIV
3527.8777 1067955-XX-D

Tail Light Liftgate LH
T
X271-3 Power In
Fog or Backup
X271
EXL25-A WH 0.35 FLRY
2020.0 1068789-XX-D
X954F 2 2 X954M
EXL25-B WH 0.13 MCIV
3527.8777 1067955-XX-D

Tail Light Right Body
B
X272-2 Power In
Tail
X272
EXL71-B YE 0.13 MCIV
801.6282 1068789-XX-D
Z52-EXL71
EXL71-D YE 0.13 MCIV
3189.0907 1067955-XX-D

License Plate Lamp Left
T
X279-1 Power In
Power
X279
EXL81-A BN 0.35 FLRY
311.0 1068789-XX-D
Z16-EXL81
EXL81-D BN 0.35 FLRY
1260.0 1068789-XX-D
X954F 5 5 X954M
EXL81-B BN 0.35 FLRY
3527.8777 1067955-XX-D

License Plate Lamp Right
T
X278-1 Power In
Power
X278
EXL81-C BN 0.35 FLRY
193.0 1068789-XX-D

Latch Rear Right
S
X457-4 Half-Bridge
UNLATCH OPEN
X457-3 Half-Bridge
UNLATCH RESET
X457
DCR123-A WH 0.50 FLRY
537.897276 2067966-XX-A
X926F 9 9 X926M
DCR123-B WH 0.50 FLRY
1555.120517 1067955-XX-D
DCR124-A GY 0.50 FLRY
537.897276 2067966-XX-A
X926F 10 10 X926M
DCR124-B GY 0.50 FLRY
1555.120517 1067955-XX-D

Heat Pad Backrest Rear Right
B ***COLDW***
X677-2 Power In
X677
RS034-A YE 0.50 FLRY
COLDW 2188.9493 1067955-XX-D

COLDW
Heat Pad Cushion Rear Seats
2nd row seat cushion heaters
X686-3 Power In
Heater +12V RH
X686
RS033-A BU 0.50 FLRY
COLDW 2194.123191 1067955-XX-D

Door Map Pocket LED Rear Right
S ***PINLT***
X465-1 PWM In
Power
X465
DCR171-B OG 0.35 FLRY
PINLT 465.897276 2067966-XX-A
X926F 16 16 X926M
DCR171-A OG 0.35 FLRY
PINLT 1555.120517 1067955-XX-D

Door Map Pocket LED Front Right
P ***PMIRR***
X400-1 PWM In
Power
X400
DCR71-A RD 0.35 FLRY
PMIRR 1880.0 1067963-XX-D

Trunk Internal Illumination Right
B
X297-1 Power In
X297
INL72-A YE 0.35 FLRY
4003.3437 1067963-XX-D

HV Battery
B
X098-8 Power In
VEH-12V-BAT
X098
BMS01-A YE 0.35 FLRY
2102.9183 1067963-XX-D

EPB Right
B
X163-2 Power In
Power In
X163-1 Power In
Power In
X163
TWIST_ABS53-A
ABS54-A BK 1.50 FLRY
4386.4394 1067963-XX-D
ABS53-A GN 1.50 FLRY
4386.4394 1067963-XX-D
TWIST_ABS53-A

Drive Unit Oil Pump Rear
X
X092-1 Power In
Switched +12V
X092
DRV81-A RD 1.00 FLRY
949.0 1067968-XX-D
X952F 10 10 X952M
DRV81-C RD 1.00 FLRY
178.206372 1067968-XX-D
Z1-DRV81
DRV81-B RD 2.00 FLRY
2613.241828 1067955-XX-F

Window Lift Motor Rear Right
S
X463-5 Half-Bridge
MOTOR -
X463-1 Half-Bridge
MOTOR +
X463
TWIST_DCR101-A
DCR102-A BU 1.50 FLRY
563.897276 2067966-XX-A
DCR101-A RD 1.50 FLRY
563.897276 2067966-XX-A
TWIST_DCR101-A
X926F 12 12 X926M
X926F 1 1 X926M
TWIST_DCR101-B
DCR102-B BU 1.50 FLRY
1555.120517 1067968-XX-D
DCR101-B RD 1.50 FLRY
1555.120517 1067968-XX-D
TWIST_DCR101-B

COLDW
Heat Pad Cushion Rear Seats
2nd row seat cushion heaters
X686-1 Power In
Heater +12V LH
X686-2 Power In
Heater + 12V CTR
X686
RS031-A RD 0.50 FLRY
COLDW 2194.123191 1067955-XX-D
RS032-A GN 0.50 FLRY
COLDW 2194.123191 1067955-XX-D

Tail Light Right Body
B
X272-3 Power In
Turn
X272-5 Power In
Stop (blade)
X272
EXL73-A RD 0.13 MCIV
3990.7189 1067955-XX-D
EXL72-A GY 0.13 MCIV
3990.7189 1067955-XX-D

CHMSL
Q
X274-1 Power In
Stop
X274
EXL91-A BU 0.35 FLRY
1125.0 1068789-XX-D
X970F 6 6 X970M
EXL91-B BU 0.35 FLRY
2791.4482 1067955-XX-D

BLE Passenger B-Pillar
B
X494-1 Power In
VBAT
X494
BLE02-A YE 0.13 MCIV
2473.581 1067955-XX-D

Trunk Latch
T
X341-1 Half-Bridge
MOTOR
X341
SEC72-B VT 0.35 FLRY
1440.0 1068789-XX-D
X954F 8 8 X954M
SEC72-A VT 0.35 FLRY
3527.8777 1067955-XX-D

Radio Tuner
B
X562-1 Power In
ACC
X562
AUD81-A GN 0.35 FLRY
2733.250976 1067955-XX-D

Mirror - Rear View - Electrochromatic
V
X129-1 Power In
EC+
X129
INL91-B YE 0.35 FLRY
1790.0 1068789-XX-D
X962F 1 1 X962M
INL91-A YE 0.35 FLRY
158.680634 1067955-XX-D

Mirror Right Premium
P ***PMIRR***
X406-14 High-Side Drive
EC (+)
X406
DCR56-A BN 0.13 MCIV
PMIRR 1901.0 1067963-XX-E

Body Controller Right
B,P,J,W

X050-51 High-Side Drive
Exterior Trunk Light Right
X050-50 High-Side Drive
Exterior Trunk Light Left
X050-41 High-Side Drive
Body Side Tail Light
X050-49 High-Side Drive
Exterior Trunk Tail and License Plate Lights
X050-9 Half-Bridge
Door Rear Latch Release
X050-10 Half-Bridge
Door Rear Latch Reset
X050-12 High-Side Drive
Seat Rear Right Heat Pad Backrest
X050-13 High-Side Drive
Seat Rear Right Heat Pad Cushion
X050-19 High-Side Drive
Door Rear Map Pocket LED
X053-31 High-Side Drive
Door Front Map Pocket LED
X050-21 High-Side Drive
Trunk Interior LED
X050-48 High-Side Drive
HV Controller
X050-31 Half-Bridge
Parking Brake Release
X050-32 Half-Bridge
Parking Brake Apply
X050-33 High-Side Drive
Oil Pump Rear Drive Unit
X050-34 Half-Bridge
Window Rear Motor Down
X050-35 Half-Bridge
Window Rear Motor Up
X050-36 High-Side Drive
Seat Rear Left Heat Pad Cushion
X050-37 High-Side Drive
Seat Rear Center Heat Pad Cushion
X050-39 High-Side Drive
Turn Signal
X050-42 High-Side Drive
Body Side Brake Light
X050-20 High-Side Drive
CHMSL Brake Light
X050-43 High-Side Drive
BLE B Pillar
X050-46 High-Side Drive
Trunk Latch Release
X050-47 High-Side Drive
Radio Tuner
X050-22 Vref Output
Mirror Rear View Dim
X053-6 Vref Output
Mirror Dim

X055-38 High-Side Drive
HVAC PTC Heater
X055-10 High-Side Drive
Glove Box LED
X051-6 High-Side Drive
Light and Humidity Sensor
X051-33 High-Side Drive
Ultrasonic Sensors Rear
X051-34 High-Side Drive
Door Rear Window Switch LED
X053-1 High-Side Drive
Door Front Window Switch LED
X053-5 High-Side Drive
Door Front Interior Handle Switch LED
X051-35 High-Side Drive
Door Rear Interior Handle Switch LED
X051-36 High-Side Drive
Door Rear Exterior Handle Sensor 5v
X052-20 High-Side Drive
Occupant Classification ECU
X052-26 Half-Bridge
Seat Front Track Reverse
X052-27 Half-Bridge
Seat Front Track Forward
X052-29 Half-Bridge
Seat Front Backrest Down
X052-30 Half-Bridge
Seat Front Backrest Up
X052-34 High-Side Drive
Lumbar ECU
X052-46 Half-Bridge
Seat Front Tilt Down
X052-47 Half-Bridge
Seat Front Tilt Up
X052-49 Half-Bridge
Seat Front Lift Down
X052-50 Half-Bridge
Seat Front Lift Up
X052-51 High-Side Drive
Seat Front Heat Pad Cushion
X052-52 High-Side Drive
Seat Front Heat Pad Backrest

PTC Heater
J,W
X535-1 Power In
12V Battery
THC81-A WH 0.13 MCIV
1509.6004 1067960-XX-D

Glove Box - Ajar Sensor
J
X187-1 Analog In
Analog In
INL51-A OG 0.35 FLRY
1158.4697 1067960-XX-D

Humidity and Glass Temp
V
X303-1 Power In
Power In
THC91-A VT 0.13 MCIV
139.387834 1067960-XX-D
X962M 7 7 X962F
THC91-B VT 0.13 MCIV
1745.0 1068787-XX-D

Ultrasonic Sensor RSR
G
X145-1 Power In
Power In
PKA21-G RD 0.35 FLRY
4150.3592 1067960-XX-D
X949M 1 1 X949F
PKA21-H RD 0.35 FLRY
307.67 1067959-XX-D
Z48-PKA21
PKA21-E RD 0.35 FLRY
983.67 1067959-XX-D

Ultrasonic Sensor ROR
G
X144-1 Power In
Power In
PKA21-C RD 0.35 FLRY
482.67 1067959-XX-D

Ultrasonic Sensor RIR
G
X143-1 Power In
Power In
PKA21-A RD 0.35 FLRY
92.67 1067959-XX-D

Ultrasonic Sensor LIR
G
X142-1 Power In
Power In
PKA21-B RD 0.35 FLRY
455.33 1067959-XX-D

Ultrasonic Sensor LOR
G
X141-1 Power In
Power In
PKA21-D RD 0.35 FLRY
844.33 1067959-XX-D

Ultrasonic Sensor LSR
G
X140-1 Power In
Power In
PKA21-F 1344.33 RD 0.35 1067959-XX-D FLRY

Window Switch RR
S
X462-1 Power In
LED
DCR134-B WH 0.35 FLRY
1535.827717 1067963-XX-D
X926M 17 17 X926F
DCR134-A WH 0.35 FLRY
401.897276 2067966-XX-A

Window Switch Pass Front Right
P ***LHD***
X399-1 Power In
LED
DCR35-A GY 0.13 MCIV
LHD 1853.0 1067963-XX-D

Interior Open Switch Front Right
P
X396-2 PWM In
Illumination
DCR42-A YE 0.13 MCIV
2094.0 1076116-XX-D

Interior Open Switch Rear Right
S
X456-2 PWM In
Illumination
DCR142-B YE 0.13 MCIV
1535.827717 1076116-XX-D
X926M 13 13 X926F
DCR142-A YE 0.13 MCIV
640.897276 2067966-XX-A

Exterior Open Switch Rear Right
S
X455-4 Power In
Us
DCR144-B GY 0.35 FLRY
1535.827717 1076116-XX-D
X926M 15 15 X926F
DCR144-A GY 0.35 FLRY
735.897276 2067966-XX-A

OCS
Y ***PASSN***
X652-4 Power In
Power
SCR30-A BU 0.13 MCIV
PASSN && RHST 1715.0 1076116-XX-D

Track Motor
Y ***PREMST***
X614-5 Power In
Aft
X614-1 Power In
Fore
TWIST_SCR23-A
SCR24-A GY 1.00 FLRY
PREMST && RHST 1930.0 1076116-XX-D
SCR23-A BU 1.00 FLRY
PREMST && RHST 1930.0 1076116-XX-D
TWIST_SCR23-A

Seat Backrest Pitch Front
Y
X613-3 Power In
Power (U+ = SEAT REARWARD, CCW)
X613-1 Power In
Power (U+ = SEAT FORWARD, CW)
TWIST_SCR09-A
SCR10-A BK 0.75 FLRY
RHST 2525.0 1076116-XX-D
SCR09-A YE 0.75 FLRY
RHST 2525.0 1076116-XX-D
TWIST_SCR09-A

Lumbar
Y ***PREMST***
X619-1 Power In
+12V Power
SCR01-A RD 0.35 FLRY
PREMST && RHST 2460.0 1076116-XX-D

Tilt Motor
Y ***PREMST***
X621-3 Half-Bridge
Down
X621-1 Half-Bridge
Up
TWIST_SCR40-A
SCR41-A VT 0.75 FLRY
PREMST && RHST 1835.0 1076116-XX-D
SCR40-A YE 0.75 FLRY
PREMST && RHST 1835.0 1076116-XX-D
TWIST_SCR40-A

Lift Motor
Y
X618-3 Half-Bridge
Down
X618-1 Half-Bridge
Up
TWIST_SCR18-A
SCR18-A GN 0.75 FLRY
RHST 1785.0 1076116-XX-D
SCR19-A WH 0.75 FLRY
RHST 1785.0 1076116-XX-D
TWIST_SCR18-A

Heat Pad Cushion Front
Y
X617-2 Power In
Heater Supply
SCR15-A YE 0.50 FLRY
RHST 1760.0 1076116-XX-D

Heat Pad Backrest Front
Y
X616-2 Power In
Heat +12V
SCR13-A RD 0.50 FLRY
RHST 1740.0 1076116-XX-D

TESLA

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
Power Distribution, E-Fuse VCRight J1-J3

PART NUMBER	REV	SHEET	SIZE
	2	5 OF 9	A0

Exterior Open Switch Front Right
P

X397-4 Power In
Us
X397

DCR44-A GN 0.35 FLRY
1826.0 1067963-XX-D

PMIRR
Mirror Right Premium
P

X406-1 High-Side Drive
Heater (+)
X406-8 Half-Bridge
Motor Common
X406-3 Half-Bridge
Motor Pan (Left-, Right+)
X406-10 Half-Bridge
Fold (-), Unfold (+)
X406-2 Half-Bridge
Fold (+), Unfold (-)
X406-9 Half-Bridge
Motor Tilt (Up+, Down-)
X406

DCR55-A RD 0.35 FLRY
PMIRR 1901.0 1067963-XX-D
DCR52-A BU 0.13 MCIV
PMIRR 1901.0 1067963-XX-D
DCR53-A WH 0.13 MCIV
PMIRR 1901.0 1067963-XX-D
DCR59-A BN 0.13 MCIV
PMIRR 1901.0 1067963-XX-D
DCR58-A YE 0.13 MCIV
PMIRR 1901.0 1067963-XX-D
DCR51-A VT 0.13 MCIV
PMIRR 1901.0 1067963-XX-D

BMIRR
Mirror Right Base
P

X404-1 Half-Bridge
Motor Tilt (Up- Down+)
X404-3 Half-Bridge
Motor Pan (Left- Right+)
X404-5 Half-Bridge
Motor Common
X404

DCR51-B VT 0.13 MCIV
BMIRR 1901.0 1067963-XX-D
DCR53-B WH 0.13 MCIV
BMIRR 1901.0 1067963-XX-D
DCR52-B BU 0.13 MCIV
BMIRR 1901.0 1067963-XX-D

Window Lift Motor Front Right
P

X403-5 Half-Bridge
MOTOR -
X403-1 Half-Bridge
MOTOR +
X403

TWIST_DCR01-A

DCR02-A OG 1.50 FLRY
2081.0 1067963-XX-D
DCR01-A RD 1.50 FLRY
2081.0 1067963-XX-D

TWIST_DCR01-A

Latch Front Right
P

X410-4 Half-Bridge
UNLATCH OPEN
X410-3 Half-Bridge
UNLATCH RESET
X410

DCR23-A WH 0.50 FLRY
1620.0 1067963-XX-D
DCR24-A GY 0.50 FLRY
1620.0 1067963-XX-D

PMIRR
Mirror Right Premium
P

X406-4 Vref Input
Position Vref 5V
X406

DCR60-A VT 0.13 MCIV
PMIRR 1901.0 1067963-XX-D

Puddle LED Front Right
P

X401-1 Power In
X401

DCR21-A VT 0.35 FLRY
1594.0 1067963-XX-D

X053

Puddle LED Rear Right
S

X466-1 Power In
X466

DCR121-A VT 0.35 FLRY
505.897276 1067966-XX-D

X926F 7 | 7 X926M

DCR121-B VT 0.35 FLRY
1535.827717 1067963-XX-D

X051

Body Controller Right
B,P,J,W

X053-4 Vref Output
Door Front Exterior Handle Sensor 5v

X053-11 High-Side Drive
Mirror Heat
X053-15 Half-Bridge
Mirror Tilt Common
X053-16 Half-Bridge
Mirror Tilt Left Right
X053-18 Half-Bridge
Mirror Unfold
X053-19 Half-Bridge
Mirror Fold
X053-32 Half-Bridge
Mirror Tilt Up Down

X053-34 Half-Bridge
Window Front Motor Down
X053-35 Half-Bridge
Window Front Motor Up

X053-36 Half-Bridge
Door Front Latch Release
X053-37 Half-Bridge
Door Front Latch Reset

X053-3 Vref Output
Mirror Tilt Position 5V

X053-20 Digital In - Wake
Door Front Latch Open Puddle LED

X051-37 Digital In - Wake
Door Rear Latch Open Puddle LED

X054-4 High-Side Drive
Premium Amp ECU

X054-5 High-Side Drive
Rear Glass Defrost

X055-6 Vref Output
HVAC Right Vane Position 5v

X055-23 Vref Output
HVAC Left Vane Position 5v
X055-30 Half-Bridge
HVAC Left Vane Duct Open
X055-31 Half-Bridge
HVAC Left Vane Duct Close

X055-32 Half-Bridge
HVAC Right Vane Duct Open
X055-33 Half-Bridge
HVAC Right Vane Duct Close

X055-37 High-Side Drive
Glove Box Latch Release

X055-11 High-Side Drive
Footwell LED Front

X057-21 High-Side Drive
Ultrasonic Sensors Front

X057-23 High-Side Drive
Restraint Control Module

X057-26 High-Side Drive
HV Contactors

X057

AMP91-A RD 3.00 FLRB
PAUDIO 3237.847336 1067964-XX-E
X561

X054

TH091-A OG 3 FLXB
2932.7167 1067964-XX-E
X310

THC15-A OG 0.35 FLRY
155.75 1067964-XX-E
X558

THC13-A GY 0.35 FLRY
1555.6484 1067964-XX-E
THC33-A OG 0.35 FLRY
1555.6484 1067964-XX-E
THC35-A WH 0.35 FLRY
1555.6484 1067964-XX-E
X559

THC36-A BN 0.35 FLRY
155.75 1067964-XX-E
THC38-A YE 0.35 FLRY
155.75 1067964-XX-E
X558

INL53-A VT 0.50 FLRY
1156.0743 1067964-XX-E
X186

X055

INL42-A GY 0.35 FLRY
260.03 1067964-XX-E
X281

PKA01-G RD 0.35 FLRY
2080.183116 1067964-XX-E

X901M 10 | 10 X901F

PKA01-H RD 0.35 FLRY
633.0 1067958-XX-D

Z50-PKA01

PKA01-F RD 0.35 FLRY
1613.0 1067958-XX-D
X130

PKA01-D RD 0.35 FLRY
1308.0 1067958-XX-D
X131

PKA01-C RD 0.35 FLRY
1003.0 1067958-XX-D
X132

PKA01-A RD 0.35 FLRY
197.0 1067958-XX-D
X133

X134

X135

+SRI97-A RD 0.35 FLRY
116.5 1067964-XX-E

X908F 15 | 15 X908M

+SRI97-B RD 0.35 FLRY
385.8808 1067955-XX-F

X051

Body Controller Right
B,P,J,W

X051-13 Pass-through
Restraint Control Module Passthrough 1
X055-5 Pass-through
Restraint Control Module Passthrough 1

X055

+SRI98-A RD 0.35 FLRY
1949.5748 1067964-XX-E
X200

BMS02-B OG 1.00 FLRY
116.5 1067964-XX-E

X908F 12 | 12 X908M

BMS02-A OG 1.00 FLRY
2202.9667 1067964-XX-E
X098

PAUDIO
Premium Amp Audio
B

X561-6 Power In
VbatAccIn14v0

Rear Defrost Grid
B

X310-1 Power In
Defrost+

Lateral Vanes Right
J

X558-4 Vref Output
Duct Position 5v

Lateral Vanes Left
J

X559-4 Vref Output
Duct Position 5v
X559-3 Half-Bridge
Duct Open
X559-7 Half-Bridge
Duct Close

Lateral Vanes Right
J

X558-3 Half-Bridge
Duct Open
X558-7 Half-Bridge
Duct Close

Glove Box - Latch
J

X186-1 High-Side Drive
Anode

Footwell LED Front Right
J

X281-1 Power In
Power

Ultrasonic Sensor LSF
F

X130-1 Power In
Power In

Ultrasonic Sensor LOF
F

X131-1 Power In
Power In

Ultrasonic Sensor LIF
F

X132-1 Power In
Power In

Ultrasonic Sensor RIF
F

X133-1 Power In
Power In

Ultrasonic Sensor ROF
F

X134-1 Power In
Power In

Ultrasonic Sensor RSF
F

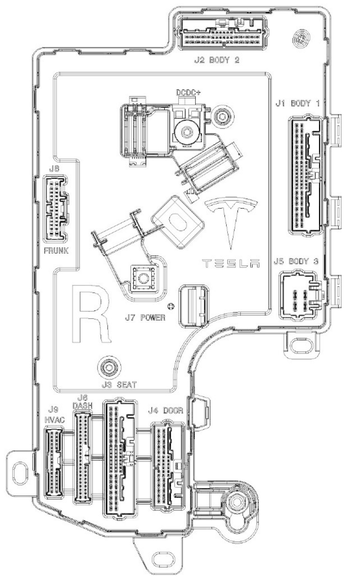
X135-1 Power In
Power In

Restraints Controller
A,J

X200-20 Power In
Power (Permanent)

HV Battery
B

X098-18 Power In
VEH-12V-CONTACTOR-POWER



= Shared E-Fuses

TESLA

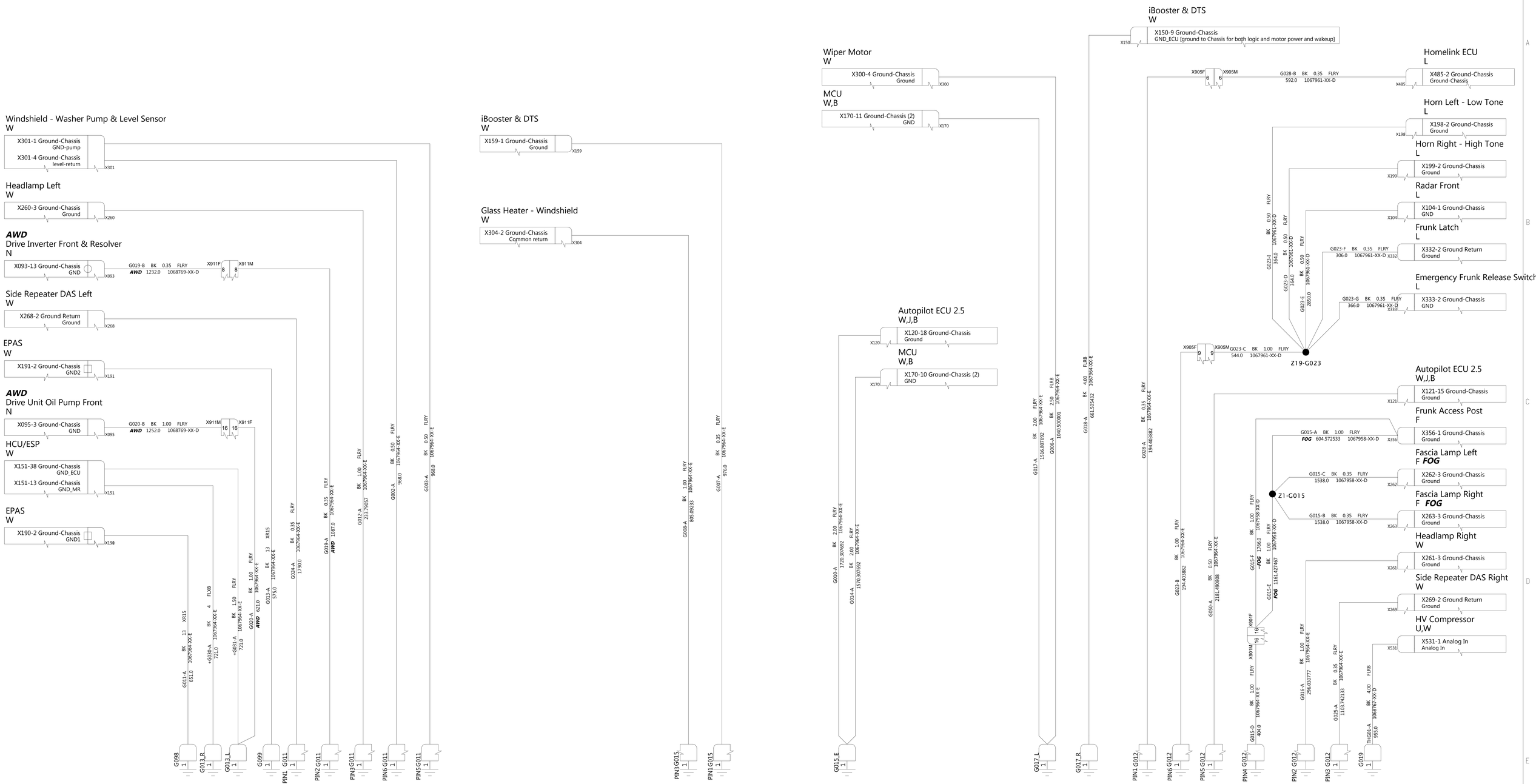
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSD WRITTEN CONSENT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

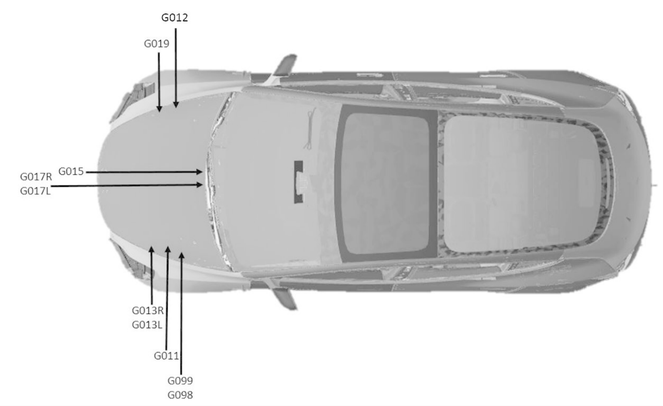
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCRight J4-J9

PART NUMBER	REV	SHEET	SIZE
	2	6 OF 9	A0





TESLA

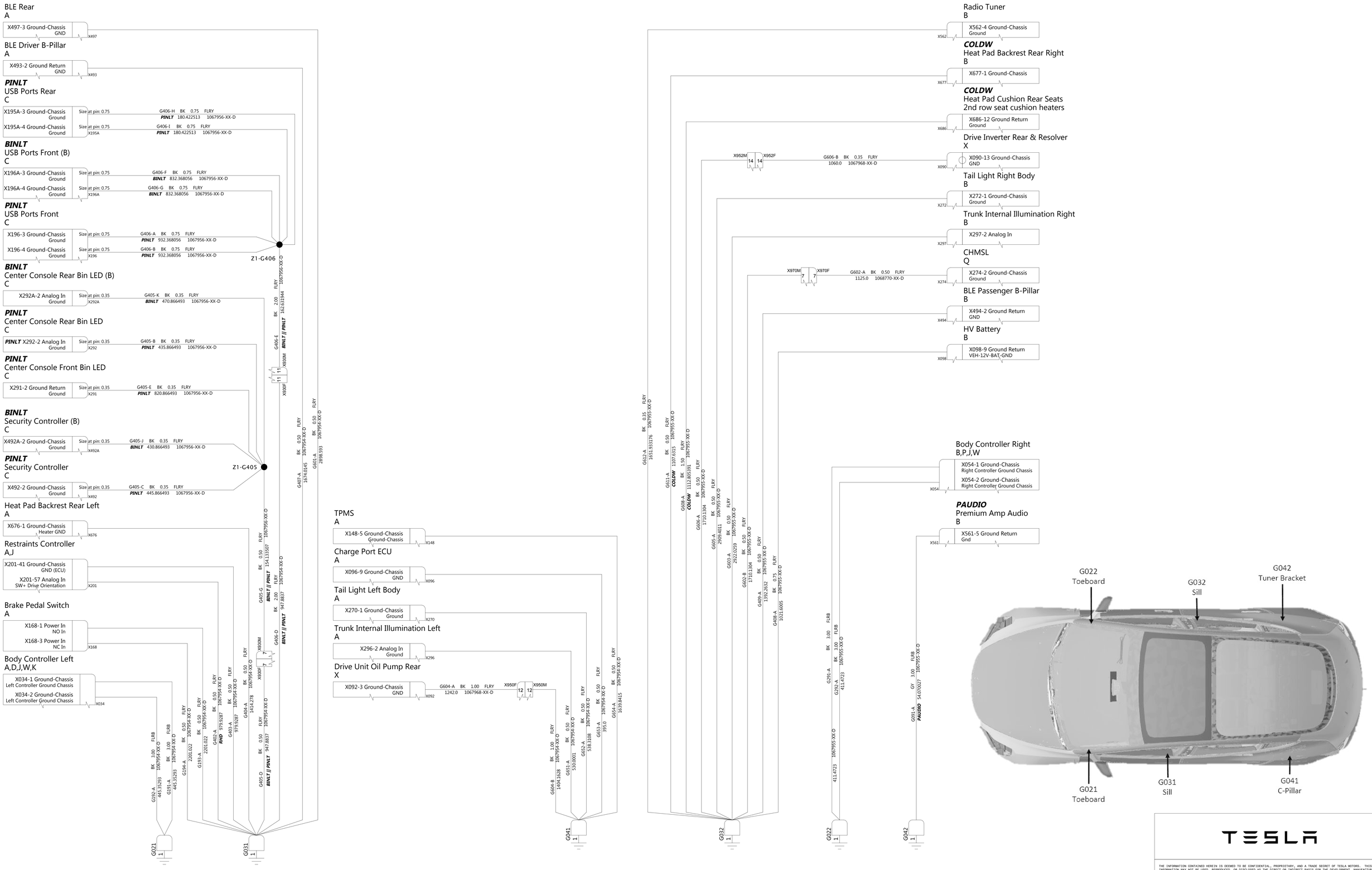
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, Grounding Frunk

PART NUMBER	REV	SHEET	SIZE
	2	7 OF 9	A0



TESLA

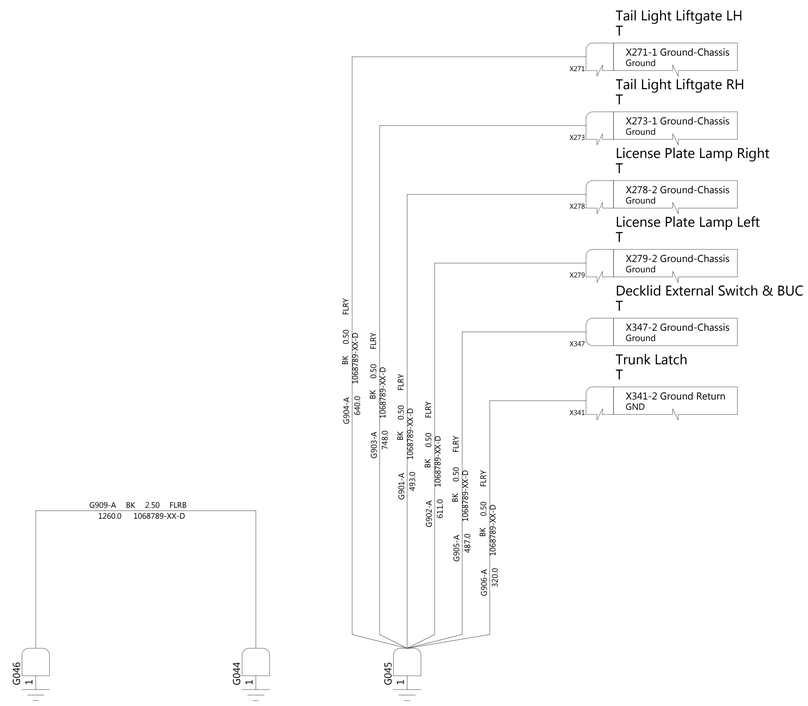
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

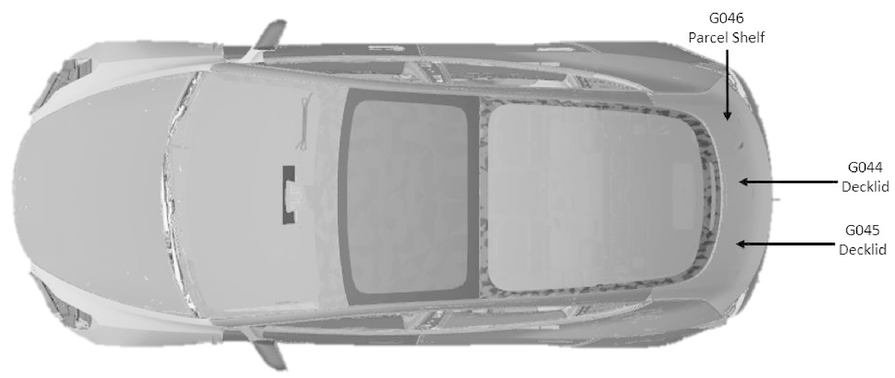
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, Grounding Pillars

PART NUMBER	REV	SHEET	SIZE
	2	8 OF 9	A0





TESLA

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
Power Distribution, Grounding Trunk

PART NUMBER	REV	SHEET	SIZE
	2	9 OF 9	A0