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Table 1: Abbreviations

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

Table 2: Harness Designators

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

Table 3: Wire Color Designators

BK	Black	RD	Red
BN	Brown	TN	Tan
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
F91X	Thin wall 150C rated, cross-linked polyethylene, high flexible

Table 5: Option Codes

LHST	Left side Seat
RHST	Right Side Seat
FOG	Fog Light
PCOLM	Power Steering Column
PAUDIO	Premium Audio
BAUDIO	Base Audio
COLDW	Cold Weather Package
LHD	Left Hand Drive
RHD	Right Hand Drive
AWD	All Wheel Drive
RWD	Rear Wheel Drive
PINLT	Premium Interior Lights
PMIRR	Premium Mirror with Powerfold
REEU	Region Europe
RENA	Region North America
RECN	Region China
PREMST	Premium Seat
SBR	Seat Belt Reminder
OCS	Occupant Classification System
STPS	Seat Track Position Sensor

General Notes:

1) Switches [Relays] are shown in their inactive [de-energized] state.

2) Splices may be split across pages for visual clarity with respect to the function displayed on the particular page.

3) Some connectors are split across multiple pages for clarity.
There is no overall reference in this document for the signals routed to a specific connector.

4) Wire sizes are specified in mm^2 cross-sectional area (CSA) per SAE 1127/8

5) Wire Specification: 60V, thin-wall PVC (ISO type or equivalent).
Default wire type to be rated 60VDC/25VAC and -40C to 105C operating temperature.
See DIN 13602 or ISO 6722 for detailed specifications.

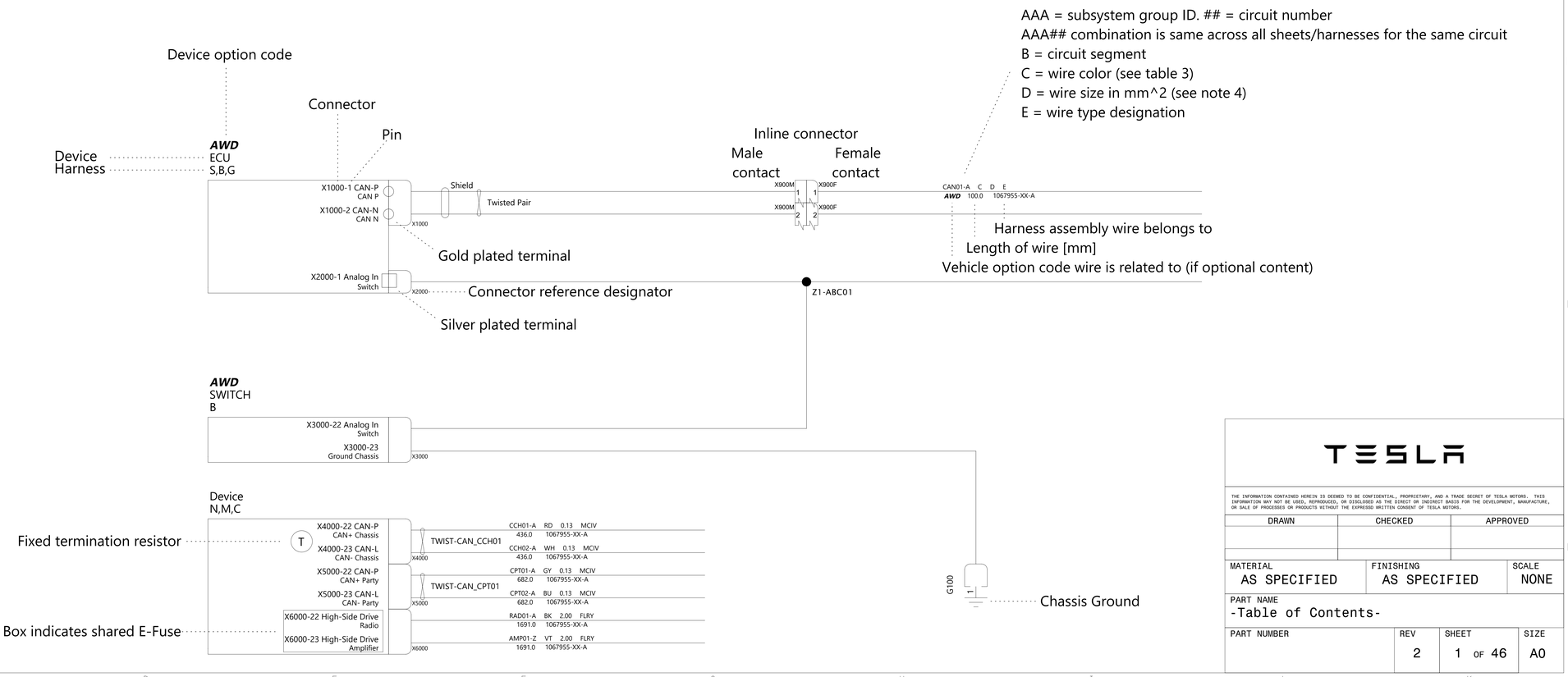
6) Unless otherwise specified at the device pins, terminal plating is to be Tin or Pre-Tin

TERMINAL PLATING

○ GOLD TERMINAL NECESSARY

☐ SILVER PLATING NECESSARY

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



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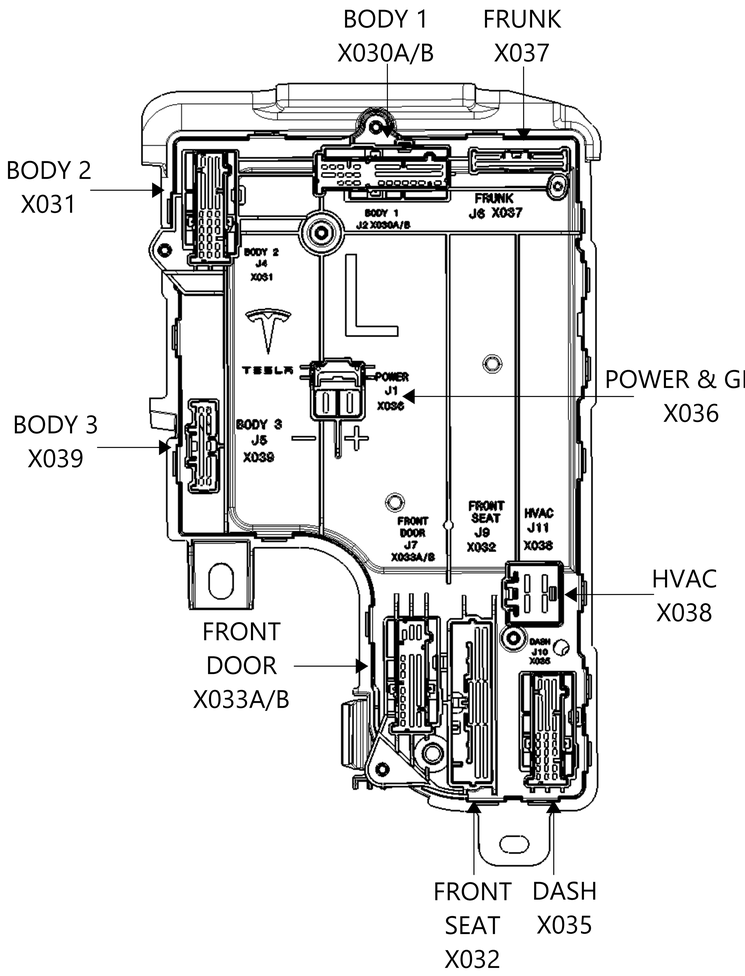
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

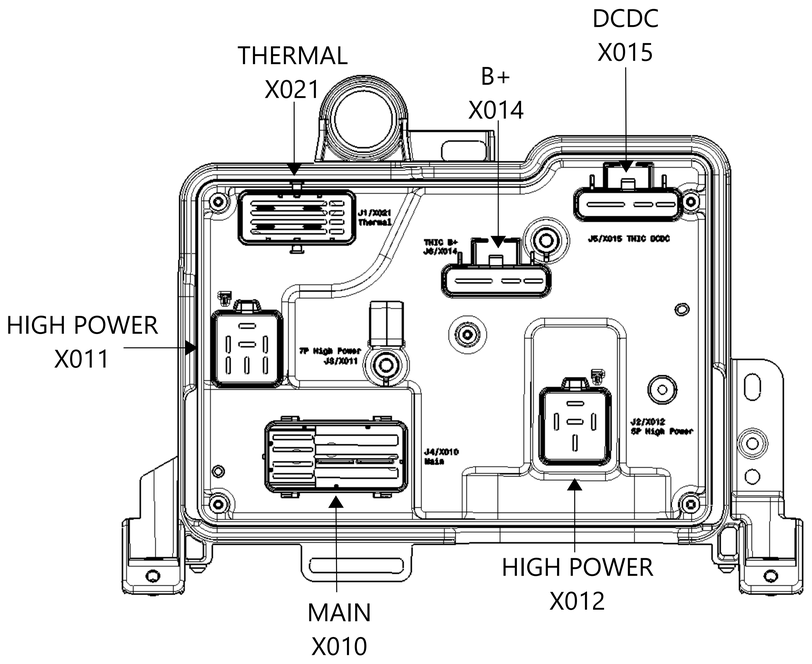
PART NAME
-Table of Contents-

PART NUMBER	REV	SHEET	SIZE
	2	1 OF 46	A0

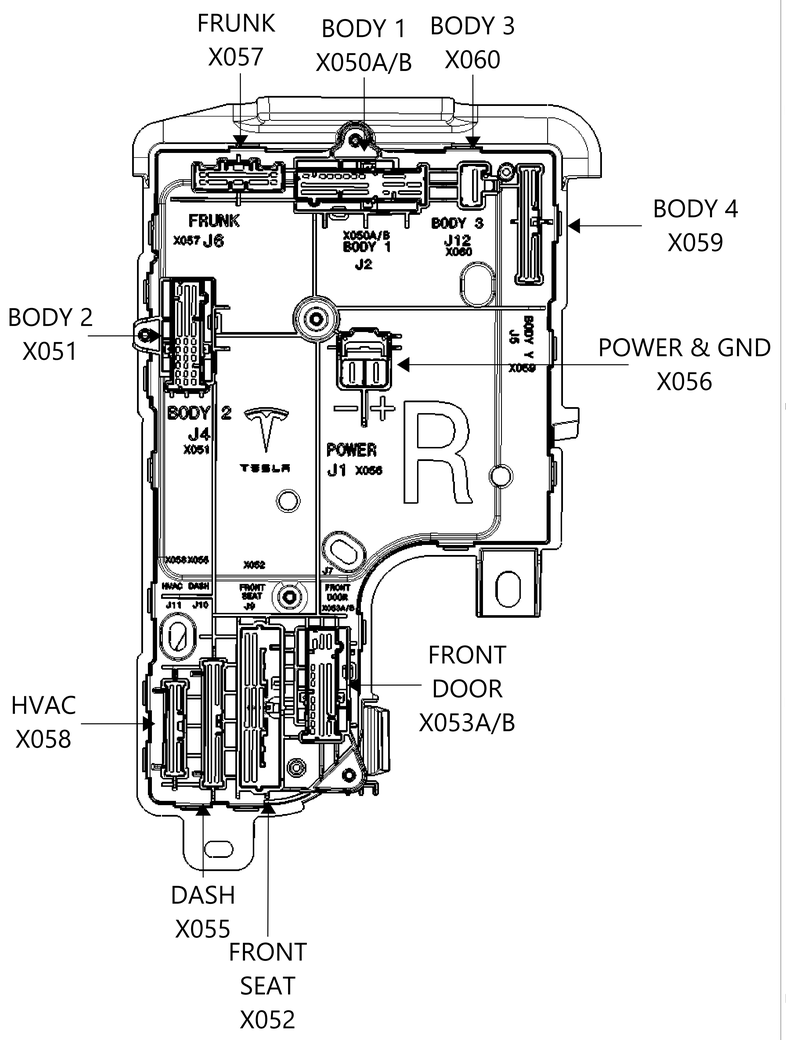
Left Controller



Front Controller



Right Controller



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Controller Layout

PART NUMBER	REV	SHEET	SIZE
	2	2 OF 46	A0

LHD
MCU (LHD)
W,B X170 X171 X172 X860 X802 X804 X831 X173 X863 X850 X852

X170-5 Power In
12V0-AUDIO

AUD01-A WH 2.00 HFSS
LHD 1285.0 2567964-XX-B (W)

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

X010-76 High-Side Drive
MCU_AUDIO

PAUDIO
Speaker IP Center Tweeter
J

AUD61_B-B RD 0.75 FLRY
PAUDIO 792.0 3067960-XX-B, 3117690-XX-B (J)
AUD62_B-B BU 0.75 FLRY
PAUDIO 855.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD61_B-B
X596-1 Analog In
Speaker P
X596-2 Analog In
Speaker N

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

X171-9 Analog Out
Center IP Speaker P
X171-10 Analog Out
Center IP Speaker N

TWIST_AUD61_A-A
AUD61_A-A RD 2.00 FLRY
LHD 720.0 3067955-XX-C (B)
AUD62_A-A GN 2.00 FLRY
LHD 720.0 3067955-XX-C (B)
TWIST_AUD61_A-A

X051-16 Pass-through
CENTER_DASHBOARD_SPEAKER_PASSTHROUGH_P
X051-15 Pass-through
CENTER_DASHBOARD_SPEAKER_PASSTHROUGH_N
X055-39 Pass-through
CENTER_DASHBOARD_SPEAKER_PASSTHROUGH_P
X055-40 Pass-through
CENTER_DASHBOARD_SPEAKER_PASSTHROUGH_N

Z1-AUD61_B
Z1-AUD62_B
AUD61_B-C RD 0.50 FLRY
PAUDIO 1437.0 3067960-XX-B, 3117690-XX-B (J)
AUD62_B-C BU 0.50 FLRY
PAUDIO 1374.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD61_B-C
TWIST_AUD61_B-D
AUD61_B-D RD 0.50 FLRY
BAUDIO 2215.0 3067960-XX-B, 3117690-XX-B (J)
AUD62_B-D BU 0.50 FLRY
BAUDIO 2215.0 3067960-XX-B, 3117690-XX-B (J)
AUD61_B-A RD 0.75 FLRY
PAUDIO 792.0 3067960-XX-B, 3117690-XX-B (J)
AUD62_B-A BU 0.75 FLRY
PAUDIO 855.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD61_B-A
TWIST_AUD61_B-D

Speaker IP Center
J

X595-1 Power In
Speaker P
X595-2 Power In
Speaker N

X171-8 Analog Out
Left IP Speaker P
X171-7 Analog Out
Left IP Speaker N

TWIST_AUD63_A-A
AUD63_A-A YE 0.75 FLRY
LHD 720.0 3067955-XX-C (B)
AUD64_A-A VT 0.75 FLRY
LHD 720.0 3067955-XX-C (B)
TWIST_AUD63_A-A

X051-32 Pass-through
LEFT_DASHBOARD_SPEAKER_PASSTHROUGH_P
X051-31 Pass-through
LEFT_DASHBOARD_SPEAKER_PASSTHROUGH_N
X055-37 Pass-through
LEFT_DASHBOARD_SPEAKER_PASSTHROUGH_P
X055-38 Pass-through
LEFT_DASHBOARD_SPEAKER_PASSTHROUGH_N

TWIST_AUD63_B-A
AUD63_B-A YE 0.50 FLRY
2399.0 3067960-XX-B, 3117690-XX-B (J)
AUD64_B-A VT 0.50 FLRY
2399.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD63_B-A

Speaker IP Left
J

X566-1 Power In
Speaker P
X566-2 Power In
Speaker N

X171-4 Analog Out
Right IP Speaker P
X171-3 Analog Out
Right IP Speaker N

TWIST_AUD65_A-A
AUD65_A-A TN 0.75 FLRY
LHD 720.0 3067955-XX-C (B)
AUD66_A-A BK 0.75 FLRY
LHD 720.0 3067955-XX-C (B)
TWIST_AUD65_A-A

X051-34 Pass-through
RIGHT_DASHBOARD_SPEAKER_PASSTHROUGH_P
X051-33 Pass-through
RIGHT_DASHBOARD_SPEAKER_PASSTHROUGH_N
X055-35 Pass-through
RIGHT_DASHBOARD_SPEAKER_PASSTHROUGH_P
X055-36 Pass-through
RIGHT_DASHBOARD_SPEAKER_PASSTHROUGH_N

TWIST_AUD65_B-A
AUD65_B-A TN 0.50 FLRY
713.0 3067960-XX-B, 3117690-XX-B (J)
AUD66_B-A BK 0.50 FLRY
713.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD65_B-A

Speaker IP Right
J

X576-1 Power In
Speaker P
X576-2 Power In
Speaker N

Speaker Pedestrian Warning
W

X171-11 Analog Out
Ped Warn Audio P
X171-12 Analog Out
Ped Warn Audio N

TWIST_AUD31-B
AUD31-B WH 0.50 FLRY
LHD 2235.0 3067955-XX-C (B)
AUD32-B GY 0.50 FLRY
LHD 2235.0 3067955-XX-C (B)
TWIST_AUD31-B
X908M 5 5 X908F
X908M 6 6 X908F
TWIST_AUD31-A

TWIST_AUD31-A
AUD31-A WH 0.50 FLRY
LHD || REAP && RHD 2402.0 2567964-XX-B (W)
AUD32-A GY 0.50 FLRY
LHD || REAP && RHD 2402.0 2567964-XX-B (W)
TWIST_AUD31-A

X602-1 Analog In
Speaker P
X602-2 Analog In
Speaker N

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

X171-1 Analog Out
Left Front Door / Prem Tweeter P
X171-2 Analog Out
Left Front Door / Prem Tweeter N

TWIST_AUD19-B
AUD19_A-B WH 1.00 FLRY
BAUDIO && LHD 1762.0 3067955-XX-C (B)
AUD20_A-B RD 1.00 FLRY
BAUDIO && LHD 1762.0 3067955-XX-C (B)
X936M 15 15 X936F
X936M 1 1 X936F
TWIST_AMP13_A-A

TWIST_AMP13_A-A
AMP13_A-A WH 2.00 FLRY
2843.0 4067954-XX-C (A)
AMP14_A-A RD 2.00 FLRY
2843.0 4067954-XX-C (A)

X031-34 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X031-33 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N
X033A-32 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X033A-31 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N

TWIST_AMP13_B-A
AMP13_B-A WH 1.00 FLRY
0.0 3067957-XX-B (D)
AMP14_B-A RD 1.00 FLRY
0.0 3067957-XX-B (D)
TWIST_AMP13_B-A

Speaker Front Left Door Prem
D

X567-1 Analog In
Speaker P
X567-2 Analog In
Speaker N

PAUDIO
Speaker Front Left Door Tweeter
D

TWIST_AUD35_A-B
AUD35_A-B BK 0.50 FLRY
LHD && PAUDIO 1762.0 3067955-XX-C (B)
AUD36_A-B VT 0.50 FLRY
LHD && PAUDIO 1762.0 3067955-XX-C (B)
X936M 4 4 X936F
X936M 18 18 X936F
TWIST_AUD35_A-A

TWIST_AUD35_A-A
AUD35_A-A BK 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2843.0 4067954-XX-C (A)
AUD36_A-A VT 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2843.0 4067954-XX-C (A)
TWIST_AUD35_A-A

X031-36 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_P
X031-35 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_N
X033A-30 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_P
X033A-29 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_N

TWIST_AUD35_B-A
AUD35_B-A BK 0.50 FLRY
PAUDIO 0.0 3067957-XX-B (D)
AUD36_B-A VT 0.50 FLRY
PAUDIO 0.0 3067957-XX-B (D)
TWIST_AUD35_B-A

X565-1 Power In
Speaker P
X565-2 Power In
Speaker N

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

X171-14 Analog Out
Right Front Door / Prem Tweeter P
X171-13 Analog Out
Right Front Door / Prem Tweeter N

TWIST_AUD21_A-A
AUD21_A-A TN 1.00 FLRY
BAUDIO && LHD 720.0 3067955-XX-C (B)
AUD22_A-A RD 1.00 FLRY
BAUDIO && LHD 720.0 3067955-XX-C (B)
TWIST_AUD21_A-A

X051-20 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X051-36 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N
X053A-29 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X053A-30 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N

TWIST_AMP17_B-A
AMP18_B-A GY 1.00 FLRY
2136.0 3067963-XX-B (P)
AMP17_B-A TN 1.00 FLRY
2136.0 3067963-XX-B (P)
TWIST_AMP17_B-A

Speaker Front Right Door Prem
P

X577-1 Analog In
Speaker P
X577-2 Analog In
Speaker N

PAUDIO
Speaker Front Right Door Tweeter
P

TWIST_AUD37_A-A
AUD37_A-A WH 0.50 FLRY
LHD && PAUDIO 720.0 3067955-XX-C (B)
AUD38_A-A YE 0.50 FLRY
LHD && PAUDIO 720.0 3067955-XX-C (B)
TWIST_AUD37_A-A

X051-19 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_P
X051-35 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_N
X053A-31 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_P
X053A-32 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_N

TWIST_AUD37_B-A
AUD37_B-A WH 0.50 FLRY
PAUDIO 2833.0 3067963-XX-B (P)
AUD38_B-A RD 0.50 FLRY
PAUDIO 2833.0 3067963-XX-B (P)
TWIST_AUD37_B-A

X575-1 Power In
Speaker P
X575-2 Power In
Speaker N

Speaker Rear Left Door
R

X171-5 Analog Out
Left Base Rear Door / Prem Headliner P
X171-6 Analog Out
Left Base Rear Door / Prem Headliner N

TWIST_AUD25-B
AUD25-B RD 0.50 FLRY
BAUDIO && LHD 2098.0 3067955-XX-C (B)
AUD26-B BK 0.50 FLRY
BAUDIO && LHD 2098.0 3067955-XX-C (B)
X936M 14 14 X936F
X936M 26 26 X936F
TWIST_AUD25-B

TWIST_AUD25-B
AMP09-C RD 0.50 FLRY
2507.0 4067954-XX-C (A)
AMP10-C BK 0.50 FLRY
2507.0 4067954-XX-C (A)
TWIST_AMP09-C

X924M 11 11 X924F
X924M 20 20 X924F
TWIST_AMP09-A

TWIST_AMP09-A
AMP09-A RD 0.50 FLRY
971.0 3067965-XX-A (R)
AMP10-A BK 0.50 FLRY
971.0 3067965-XX-A (R)
TWIST_AMP09-A

X586-1 Power In
Speaker P
X586-2 Power In
Speaker N

PAUDIO
Speaker Headliner Left
K

TWIST_AUD39-A
AUD39-A GN 0.50 FLRY
LHD && PAUDIO 1728.0 3067955-XX-C (B)
AUD40-A GY 0.50 FLRY
LHD && PAUDIO 1728.0 3067955-XX-C (B)
X936M 5 5 X936F
X936M 19 19 X936F
TWIST_AUD39-A

TWIST_AUD39-A
AUD39-C GN 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2634.0 4067954-XX-C (A)
AUD40-C GY 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2634.0 4067954-XX-C (A)
X981M 3 3 X981F
X981M 4 4 X981F
TWIST_AUD39-B

TWIST_AUD39-B
AUD39-B GN 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 1414.0 2067970-XX-A (K)
AUD40-B GY 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 1414.0 2067970-XX-A (K)
TWIST_AUD39-B

X569-1 Analog In
Speaker P
X569-2 Analog In
Speaker N

Speaker Rear Right Door
S

X171-16 Analog Out
Right Base Rear Door / Prem Headliner P
X171-15 Analog Out
Right Base Rear Door / Prem Headliner N

TWIST_AUD29-B
AUD29-B BU 0.50 FLRY
BAUDIO && LHD 2291.0 3067955-XX-C (B)
AUD30-B GN 0.50 FLRY
BAUDIO && LHD 2291.0 3067955-XX-C (B)
X926M 18 18 X926F
X926M 19 19 X926F
TWIST_AMP11-A

TWIST_AMP11-A
AMP11-A BU 0.50 FLRY
971.0 3067966-XX-A (S)
AMP12-A GN 0.50 FLRY
971.0 3067966-XX-A (S)
TWIST_AMP11-A

X591-1 Power In
Speaker P
X591-2 Power In
Speaker N

PAUDIO
Speaker Headliner Right
K

TWIST_AUD43-A
AUD43-A WH 0.50 FLRY
LHD && PAUDIO 1728.0 3067955-XX-C (B)
AUD44-A BN 0.50 FLRY
LHD && PAUDIO 1728.0 3067955-XX-C (B)
X936M 11 11 X936F
X936M 23 23 X936F
TWIST_AUD43-A

TWIST_AUD43-A
AUD43-C WH 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2634.0 4067954-XX-C (A)
AUD44-C BN 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2634.0 4067954-XX-C (A)
X981M 5 5 X981F
X981M 6 6 X981F
TWIST_AUD43-B

TWIST_AUD43-B
AUD43-B WH 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2441.0 2067970-XX-A (K)
AUD44-B BN 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2441.0 2067970-XX-A (K)
TWIST_AUD43-B

X579-1 Analog In
Speaker P
X579-2 Analog In
Speaker N

Overhead Console Front
K

X172-3 A2B
Audio A2B P
X172-4 A2B
Audio A2B N

TWIST_A2B_CAU01-B
CAU01-B TN 0.35 FLRY
LHD 1766.0 2567964-XX-B (W)
CAU02-B RD 0.35 FLRY
LHD 1766.0 2567964-XX-B (W)
TWIST_A2B_CAU01-B
X909F 5 5 X909M
X909F 6 6 X909M
TWIST_A2B_CAU01-C

TWIST_A2B_CAU01-C
CAU01-C TN 0.35 FLRY
LHD || RHD 275.0 4067954-XX-C (A)
CAU02-C RD 0.35 FLRY
LHD || RHD 275.0 4067954-XX-C (A)
X981M 9 9 X981F
X981M 10 10 X981F
TWIST_A2B_CAU01-A

TWIST_A2B_CAU01-A
CAU01-A TN 0.35 FLRY
LHD || RHD 2221.0 2067970-XX-A (K)
CAU02-A RD 0.35 FLRY
LHD || RHD 2221.0 2067970-XX-A (K)
TWIST_A2B_CAU01-A

X299-20 A2B
A2B A+
X299-18 A2B
A2B A-

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Audio

PART NUMBER	REV	SHEET	SIZE
	7	2 OF 45	A0

PAUDIO
Premium Amp Audio
B

X561-6 Power In
VbatAccIn14v0
AMP91-A RD 3.00 FLRB
PAUDIO 4348.0 3067955-XX-C (B)

X561-5 Ground Return
Gnd
G091-A GY 3.00 FLRB
PAUDIO 332.0 3067955-XX-C (B)

X561

X563-8 A2B
A2bInN
X563-7 A2B
A2bInP
X563
TWIST-A2B_CAU03-A
CAU04-A GN 0.35 FLRY
PAUDIO 3282.0 3067955-XX-C (B)
CAU03-A VT 0.35 FLRY
PAUDIO 3282.0 3067955-XX-C (B)
X936M 24 24 X936F
X936M 12 12 X936F
TWIST-A2B_CAU03-A
TWIST-A2B_CAU03-C
CAU04-C GN 0.35 FLRY
PAUDIO 2634.0 4067954-XX-C (A)
CAU03-C VT 0.35 FLRY
PAUDIO 2634.0 4067954-XX-C (A)
X981M 8 8 X981F
X981M 7 7 X981F
TWIST-A2B_CAU03-C
TWIST-A2B_CAU03-B
CAU04-B GN 0.35 FLRY
PAUDIO 1766.0 2067970-XX-A (K)
CAU03-B VT 0.35 FLRY
PAUDIO 1766.0 2067970-XX-A (K)
TWIST-A2B_CAU03-B
X299

TWIST-A2B_CAU01-A
CAU01-A TN 0.35 FLRY
LHD || RHD 2221.0 2067970-XX-A (K)
CAU02-A RD 0.35 FLRY
LHD || RHD 2221.0 2067970-XX-A (K)
TWIST-A2B_CAU01-A

Overhead Console Front
K
X299-20 A2B
A2B A+
X299-18 A2B
A2B A-
X299-19 A2B **PAUDIO**
A2B B-
X299-17 A2B **PAUDIO**
A2B B+

X560-2 Analog Out
AudioLrearP
X560-1 Analog Out
AudioLrearN
TWIST_AMP09-B
AMP09-B RD 0.50 FLRY
PAUDIO 3275.0 3067955-XX-C (B)
AMP10-B BK 0.50 FLRY
PAUDIO 3275.0 3067955-XX-C (B)
X936M 14 14 X936F
X936M 26 26 X936F
TWIST_AMP09-B
TWIST_AMP09-C
AMP09-C RD 0.50 FLRY
2507.0 4067954-XX-C (A)
AMP10-C BK 0.50 FLRY
2507.0 4067954-XX-C (A)
X924M 11 11 X924F
X924M 20 20 X924F
TWIST_AMP09-C
TWIST_AMP09-A
AMP09-A RD 0.50 FLRY
971.0 3067965-XX-A (R)
AMP10-A BK 0.50 FLRY
971.0 3067965-XX-A (R)
TWIST_AMP09-A
X586

Speaker Rear Left Door
R
X586-1 Power In
Speaker P
X586-2 Power In
Speaker N

X560-3 Analog Out
AudioRrearP
X560-4 Analog Out
AudioRrearN
TWIST_AMP11-B
AMP11-B BU 0.50 FLRY
PAUDIO 3804.0 3067955-XX-C (B)
AMP12-B GN 0.50 FLRY
PAUDIO 3804.0 3067955-XX-C (B)
X926M 18 18 X926F
X926M 19 19 X926F
TWIST_AMP11-B
TWIST_AMP11-A
AMP11-A BU 0.50 FLRY
971.0 3067966-XX-A (S)
AMP12-A GN 0.50 FLRY
971.0 3067966-XX-A (S)
TWIST_AMP11-A
X591

Speaker Rear Right Door
S
X591-1 Power In
Speaker P
X591-2 Power In
Speaker N

X560-6 Analog Out
AudioRparcelP
X560-5 Analog Out
AudioRparcelN
TWIST_AMP01-A
AMP01-A GY 0.50 FLRY
PAUDIO 936.0 3067955-XX-C (B)
AMP02-A YE 0.50 FLRY
PAUDIO 936.0 3067955-XX-C (B)
X970M 1 1 X970F
X970M 2 2 X970F
TWIST_AMP01-A
TWIST_AMP01-B
AMP01-B GY 0.50 FLRY
PAUDIO 2125.0 1068770-XX-D (Q)
AMP02-B YE 0.50 FLRY
PAUDIO 2125.0 1068770-XX-D (Q)
TWIST_AMP01-B
X593

PAUDIO
Speaker Parcel Shelf Right
Q
X593-1 Power In
Speaker P
X593-2 Power In
Speaker N

X560-12 Analog Out
AudioLparcelP
X560-11 Analog Out
AudioLparcelN
TWIST_AMP03-A
AMP03-A VT 0.50 FLRY
PAUDIO 1541.0 3067955-XX-C (B)
AMP04-A WH 0.50 FLRY
PAUDIO 1541.0 3067955-XX-C (B)
X560
X970M 3 3 X970F
X970M 4 4 X970F
TWIST_AMP03-A
TWIST_AMP03-B
AMP03-B VT 0.50 FLRY
PAUDIO 2125.0 1068770-XX-D (Q)
AMP04-B WH 0.50 FLRY
PAUDIO 2125.0 1068770-XX-D (Q)
TWIST_AMP03-B
X588

PAUDIO
Speaker Parcel Shelf Left
Q
X588-1 Power In
Speaker P
X588-2 Power In
Speaker N

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

X561-2 Analog Out
AudioFrRightWooferP
X561-1 Analog Out
AudioFrRightWooferN
TWIST_AMP17_A-A
AMP18_A-A GY 2.00 FLRY
PAUDIO 4762.0 3067955-XX-C (B)
AMP17_A-A TN 2.00 FLRY
PAUDIO 4762.0 3067955-XX-C (B)
TWIST_AMP17_A-A
X051-20 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X051-36 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N
X051
X053A-29 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X053A-30 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N
X053A
TWIST_AMP17_B-A
AMP18_B-A GY 1.00 FLRY
2136.0 3067963-XX-B (P)
AMP17_B-A TN 1.00 FLRY
2136.0 3067963-XX-B (P)
TWIST_AMP17_B-A
X577

Speaker Front Right Door Prem
P
X577-1 Analog In
Speaker P
X577-2 Analog In
Speaker N

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

X561-8 Analog Out
AudioFrLeftWooferP
X561-7 Analog Out
AudioFrLeftWooferN
TWIST_AMP13_A-B
AMP13_A-B WH 2.00 FLRY
PAUDIO 3302.0 3067955-XX-C (B)
AMP14_A-B RD 2.00 FLRY
PAUDIO 3302.0 3067955-XX-C (B)
X936M 15 15 X936F
X936M 1 1 X936F
TWIST_AMP13_A-B
TWIST_AMP13_A-A
AMP13_A-A WH 2.00 FLRY
2843.0 4067954-XX-C (A)
AMP14_A-A RD 2.00 FLRY
2843.0 4067954-XX-C (A)
TWIST_AMP13_A-A
X031-34 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X031-33 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N
X031
X033A-32 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X033A-31 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N
X033A
TWIST_AMP13_B-A
AMP13_B-A WH 1.00 FLRY
0.0 3067957-XX-B (D)
AMP14_B-A RD 1.00 FLRY
0.0 3067957-XX-B (D)
TWIST_AMP13_B-A
X567

Speaker Front Left Door Prem
D
X567-1 Analog In
Speaker P
X567-2 Analog In
Speaker N

PAUDIO
Speaker Subwoofer
B

X561-9 Analog Out
AudioSubVc1P
X561-3 Analog Out
AudioSubVc1N
TWIST_AMP05-A
AMP05-A GN 1.50 FLRY
PAUDIO 786.0 3067955-XX-C (B)
AMP06-A RD 1.50 FLRY
PAUDIO 786.0 3067955-XX-C (B)
TWIST_AMP05-A
X600-1 Analog In
Speaker VoiceCoil1 P
X600-2 Analog In
Speaker VoiceCoil1 N

X561-4 Analog Out
AudioSubVc2P
X561-10 Analog Out
TWIST_AMP07-A
AMP07-A VT 1.50 FLRY
PAUDIO 786.0 3067955-XX-C (B)
AMP08-A BN 1.50 FLRY
PAUDIO 786.0 3067955-XX-C (B)
TWIST_AMP07-A
X600-3 Analog In
Speaker VoiceCoil2 P
X600-4 Analog In
Speaker VoiceCoil2 N

X561
X600

TESLA

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Audio, Premium Amp

PART NUMBER	REV	SHEET	SIZE
	7	3 OF 45	A0

RHD
MCU (RHD)
W,B,A X170A X171A X172A

X170A-5 Power In
12V0-AUDIO

AUD01-B WH 2.00 HFSS
RHD 1608.0 2567964-XX-B (W)

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

X010-76 High-Side Drive
MCU_AUDIO

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

X171A-9 Analog Out
Center IP Speaker P
X171A-10 Analog Out
Center IP Speaker N

TWIST_AUD61_A-B
AUD61_A-B RD 2.00 FLRY
RHD 1797.0 3067955-XX-C (B)
AUD62_A-B GN 2.00 FLRY
RHD 1797.0 3067955-XX-C (B)
TWIST_AUD61_A-B

X051-16 Pass-through
CENTER_DASHBOARD_SPEAKER_PASSTHROUGH_P
X051-15 Pass-through
CENTER_DASHBOARD_SPEAKER_PASSTHROUGH_N
X055-39 Pass-through
CENTER_DASHBOARD_SPEAKER_PASSTHROUGH_P
X055-40 Pass-through
CENTER_DASHBOARD_SPEAKER_PASSTHROUGH_N

AUD61_B-C RD 0.50 FLRY
PAUDIO 1437.0 3067960-XX-B, 3117690-XX-B (J)
AUD62_B-C BU 0.50 FLRY
PAUDIO 1374.0 3067960-XX-B, 3117690-XX-B (J)
Z1-AUD61_B
Z1-AUD62_B
TWIST_AUD61_B-C
TWIST_AUD61_B-D

AUD61_B-D RD 0.50 FLRY
BAUDIO 2215.0 3067960-XX-B, 3117690-XX-B (J)
AUD62_B-D BU 0.50 FLRY
BAUDIO 2215.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD61_B-D
TWIST_AUD61_B-A
AUD61_B-A RD 0.75 FLRY
PAUDIO 792.0 3067960-XX-B, 3117690-XX-B (J)
AUD62_B-A BU 0.75 FLRY
PAUDIO 855.0 3067960-XX-B, 3117690-XX-B (J)
AUD61_B-B RD 0.75 FLRY
PAUDIO 792.0 3067960-XX-B, 3117690-XX-B (J)
AUD62_B-B BU 0.75 FLRY
PAUDIO 855.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD61_B-B

X596-1 Analog In
Speaker P
X596-2 Analog In
Speaker N

PAUDIO
Speaker IP Center Tweeter
J

Speaker IP Center
J

X595-1 Power In
Speaker P
X595-2 Power In
Speaker N

X171A-8 Analog Out
Left IP Speaker P
X171A-7 Analog Out
Left IP Speaker N

TWIST_AUD63_A-B
AUD63_A-B YE 0.75 FLRY
RHD 1797.0 3067955-XX-C (B)
AUD64_A-B VT 0.75 FLRY
RHD 1797.0 3067955-XX-C (B)
TWIST_AUD63_A-B

X051-32 Pass-through
LEFT_DASHBOARD_SPEAKER_PASSTHROUGH_P
X051-31 Pass-through
LEFT_DASHBOARD_SPEAKER_PASSTHROUGH_N
X055-37 Pass-through
LEFT_DASHBOARD_SPEAKER_PASSTHROUGH_P
X055-38 Pass-through
LEFT_DASHBOARD_SPEAKER_PASSTHROUGH_N

TWIST_AUD63_B-A
AUD63_B-A YE 0.50 FLRY
2399.0 3067960-XX-B, 3117690-XX-B (J)
AUD64_B-A VT 0.50 FLRY
2399.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD63_B-A

X566-1 Power In
Speaker P
X566-2 Power In
Speaker N

Speaker IP Left
J

X171A-4 Analog Out
Right IP Speaker P
X171A-3 Analog Out
Right IP Speaker N

TWIST_AUD65_A-B
AUD65_A-B TN 0.75 FLRY
RHD 1797.0 3067955-XX-C (B)
AUD66_A-B BK 0.75 FLRY
RHD 1797.0 3067955-XX-C (B)
TWIST_AUD65_A-B

X051-34 Pass-through
RIGHT_DASHBOARD_SPEAKER_PASSTHROUGH_P
X051-33 Pass-through
RIGHT_DASHBOARD_SPEAKER_PASSTHROUGH_N
X055-35 Pass-through
RIGHT_DASHBOARD_SPEAKER_PASSTHROUGH_P
X055-36 Pass-through
RIGHT_DASHBOARD_SPEAKER_PASSTHROUGH_N

TWIST_AUD65_B-A
AUD65_B-A TN 0.50 FLRY
713.0 3067960-XX-B, 3117690-XX-B (J)
AUD66_B-A BK 0.50 FLRY
713.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_AUD65_B-A

X576-1 Power In
Speaker P
X576-2 Power In
Speaker N

Speaker IP Right
J

X171A-11 Analog Out
Ped Warn Audio P
X171A-12 Analog Out
Ped Warn Audio N

TWIST_AUD31-C
AUD31-C WH 0.50 FLRY
RHD 1478.0 3067955-XX-C (B)
AUD32-C GY 0.50 FLRY
RHD 1478.0 3067955-XX-C (B)
X908M 5 X908F
X908M 6 X908F
TWIST_AUD31-C
TWIST_AUD31-A

AUD31-A WH 0.50 FLRY
LHD || REAP && RHD 2402.0 2567964-XX-B (W)
AUD32-A GY 0.50 FLRY
LHD || REAP && RHD 2402.0 2567964-XX-B (W)
TWIST_AUD31-A

X602-1 Analog In
Speaker P
X602-2 Analog In
Speaker N

Speaker Pedestrian Warning
W

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

X171A-1 Analog Out
Left Front Door / Prem Tweeter P
X171A-2 Analog Out
Left Front Door / Prem Tweeter N

TWIST_AUD35_A-C
AUD35_A-C BK 0.50 FLRY
PAUDIO && RHD 2442.0 3067955-XX-C (B)
AUD36_A-C VT 0.50 FLRY
PAUDIO && RHD 2442.0 3067955-XX-C (B)
X936M 4 X936F
X936M 18 X936F
TWIST_AUD35_A-A
AUD35_A-A BK 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2843.0 4067954-XX-C (A)
AUD36_A-A VT 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2843.0 4067954-XX-C (A)

X031-36 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_P
X031-35 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_N
X033A-30 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_P
X033A-29 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_N

TWIST_AUD35_B-A
AUD35_B-A BK 0.50 FLRY
PAUDIO 0.0 3067957-XX-B (D)
AUD36_B-A VT 0.50 FLRY
PAUDIO 0.0 3067957-XX-B (D)
TWIST_AUD35_B-A

X565-1 Power In
Speaker P
X565-2 Power In
Speaker N

PAUDIO
Speaker Front Left Door Tweeter
D

AUD19_A-C WH 1.00 FLRY
BAUDIO && RHD 2439.0 3067955-XX-C (B)
AUD20_A-C RD 1.00 FLRY
BAUDIO && RHD 2439.0 3067955-XX-C (B)
X936M 15 X936F
X936M 1 X936F
TWIST_AUD19-C
TWIST_AMP13_A-A
AMP13_A-A WH 2.00 FLRY
2843.0 4067954-XX-C (A)
AMP14_A-A RD 2.00 FLRY
2843.0 4067954-XX-C (A)

X031-34 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X031-33 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N
X033A-32 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X033A-31 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N

TWIST_AMP13_B-A
AMP13_B-A WH 1.00 FLRY
0.0 3067957-XX-B (D)
AMP14_B-A RD 1.00 FLRY
0.0 3067957-XX-B (D)
TWIST_AMP13_B-A

X567-1 Analog In
Speaker P
X567-2 Analog In
Speaker N

Speaker Front Left Door Prem
D

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

X171A-14 Analog Out
Right Front Door / Prem Tweeter P
X171A-13 Analog Out
Right Front Door / Prem Tweeter N

TWIST_AUD37_A-B
AUD37_A-B WH 0.50 FLRY
PAUDIO && RHD 1729.0 3067955-XX-C (B)
AUD38_A-B YE 0.50 FLRY
PAUDIO && RHD 1729.0 3067955-XX-C (B)
TWIST_AUD37_A-B

X051-19 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_P
X051-35 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_N
X053A-31 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_P
X053A-32 Pass-through
AUDIO_TWEETER_FRONT_DOOR_PASSTHROUGH_N

TWIST_AUD37_B-A
AUD37_B-A WH 0.50 FLRY
PAUDIO 2833.0 3067963-XX-B (P)
AUD38_B-A RD 0.50 FLRY
PAUDIO 2833.0 3067963-XX-B (P)
TWIST_AUD37_B-A

X575-1 Power In
Speaker P
X575-2 Power In
Speaker N

PAUDIO
Speaker Front Right Door Tweeter
P

TWIST_AUD21_A-B
AUD21_A-B TN 1.00 FLRY
BAUDIO && RHD 1797.0 3067955-XX-C (B)
AUD22_A-B RD 1.00 FLRY
BAUDIO && RHD 1797.0 3067955-XX-C (B)
TWIST_AUD21_A-B

X051-20 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X051-36 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N
X053A-29 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_P
X053A-30 Pass-through
AUDIO_SPEAKER_FRONT_DOOR_PASSTHROUGH_N

TWIST_AMP17_B-A
AMP18_B-A GY 1.00 FLRY
2136.0 3067963-XX-B (P)
AMP17_B-A TN 1.00 FLRY
2136.0 3067963-XX-B (P)
TWIST_AMP17_B-A

X577-1 Analog In
Speaker P
X577-2 Analog In
Speaker N

Speaker Front Right Door Prem
P

X171A-5 Analog Out
Left Base Rear Door / Prem Headliner P
X171A-6 Analog Out
Left Base Rear Door / Prem Headliner N

TWIST_AUD39-D
AUD39-D GN 0.50 FLRY
PAUDIO && RHD 2442.0 3067955-XX-C (B)
AUD40-D GY 0.50 FLRY
PAUDIO && RHD 2442.0 3067955-XX-C (B)
X936M 5 X936F
X936M 19 X936F
TWIST_AUD39-B
AUD39-B GN 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2634.0 4067954-XX-C (A)
AUD40-B GY 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2634.0 4067954-XX-C (A)
X981M 3 X981F
X981M 4 X981F
TWIST_AUD39-A

AUD39-B GN 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 1414.0 2067970-XX-A (K)
AUD40-B GY 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 1414.0 2067970-XX-A (K)
TWIST_AUD39-A

X569-1 Analog In
Speaker P
X569-2 Analog In
Speaker N

PAUDIO
Speaker Headliner Left
K

TWIST_AUD25-D
AUD25-D RD 0.50 FLRY
BAUDIO && RHD 2439.0 3067955-XX-C (B)
AUD26-D BK 0.50 FLRY
BAUDIO && RHD 2439.0 3067955-XX-C (B)
X936M 14 X936F
X936M 26 X936F
TWIST_AMP09-C
AMP09-C RD 0.50 FLRY
2507.0 4067954-XX-C (A)
AMP10-C BK 0.50 FLRY
2507.0 4067954-XX-C (A)
X924M 11 X924F
X924M 20 X924F

AMP09-A RD 0.50 FLRY
971.0 3067965-XX-A (R)
AMP10-A BK 0.50 FLRY
971.0 3067965-XX-A (R)
TWIST_AMP09-A

X586-1 Power In
Speaker P
X586-2 Power In
Speaker N

Speaker Rear Left Door
R

X171A-16 Analog Out
Right Base Rear Door / Prem Headliner P
X171A-15 Analog Out
Right Base Rear Door / Prem Headliner N

TWIST_AUD43-D
AUD43-D WH 0.50 FLRY
PAUDIO && RHD 2442.0 3067955-XX-C (B)
AUD44-D BN 0.50 FLRY
PAUDIO && RHD 2442.0 3067955-XX-C (B)
X936M 11 X936F
X936M 23 X936F
TWIST_AUD43-C
AUD43-C WH 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2634.0 4067954-XX-C (A)
AUD44-C BN 0.50 FLRY
LHD && PAUDIO || PAUDIO && RHD 2634.0 4067954-XX-C (A)
X981M 5 X981F
X981M 6 X981F
TWIST_AUD43-B

0.50 FLRY
0.50 FLRY
AUD43-B WH
LHD && PAUDIO || PAUDIO && RHD 2441.0 2067970-XX-A (K)
AUD44-B BN
LHD && PAUDIO || PAUDIO && RHD 2441.0 2067970-XX-A (K)
TWIST_AUD43-B

X579-1 Analog In
Speaker P
X579-2 Analog In
Speaker N

PAUDIO
Speaker Headliner Right
K

TWIST_AUD29-C
AUD29-C BU 0.50 FLRY
BAUDIO && RHD 2967.0 3067955-XX-C (B)
AUD30-C GN 0.50 FLRY
BAUDIO && RHD 2967.0 3067955-XX-C (B)
X926M 18 X926F
X926M 19 X926F
TWIST_AUD29-C
TWIST_AMP11-A

AMP11-A BU 0.50 FLRY
971.0 3067966-XX-A (S)
AMP12-A GN 0.50 FLRY
971.0 3067966-XX-A (S)
TWIST_AMP11-A

X591-1 Power In
Speaker P
X591-2 Power In
Speaker N

Speaker Rear Right Door
S

X172A-3 A2B
Audio A2B P
X172A-4 A2B
Audio A2B N

TWIST-A2B_CAU01-D
CAU01-D TN 0.35 FLRY
RHD 1049.0 2567964-XX-B (W)
CAU02-D RD 0.35 FLRY
RHD 1049.0 2567964-XX-B (W)
X909F 5 X909M
X909F 6 X909M
TWIST-A2B_CAU01-C
CAU01-C TN 0.35 FLRY
LHD || RHD 275.0 4067954-XX-C (A)
CAU02-C RD 0.35 FLRY
LHD || RHD 275.0 4067954-XX-C (A)
X981M 9 X981F
X981M 10 X981F
TWIST-A2B_CAU01-A

0.35 CAU01-A TN
LHD || RHD 2221.0 2067970-XX-A (K)
0.35 CAU02-A RD
LHD || RHD 2221.0 2067970-XX-A (K)
TWIST-A2B_CAU01-A

X299-20 A2B
A2B A+
X299-18 A2B
A2B A-

Overhead Console Front
K

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Audio, RHD

PART NUMBER	REV	SHEET	SIZE
	7	4 OF 45	A0

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

X012-5 High-Side Drive
iBOOSTER

+BRK01-A RD 4.00 FLRB
LHD 845.0 2567964-XX-B (W)

+BRK01-B RD 4.00 FLRB
RHD 1348.0 2567964-XX-B (W)

LHD
iBooster & DTS (LHD)
W X150 X158 X159

X150-1 Power In
+12V_UBB [motor positive]

X150-9 Ground
Ground

+G018-A BK 4.00 FLRB
LHD 943.0 2567964-XX-C (W)

RHD
iBooster & DTS (RHD)
W X150A X158A X159A

X150A-1 Power In
+12V_UBB [motor positive]

X150A-9 Ground
Ground

+G018-B BK 4.00 FLRB
RHD 1602.0 2567964-XX-C (W)

X012-2 High-Side Drive
AUTOPILOT_1

DAS21-A BN 2.00 FLRY
LHD 1392.0 2567964-XX-B (W)

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

X120-9 Power In
12V0-BAT-20A

X120-18 Ground
Ground

G010-A BK 2.00 FLRY
LHD 1099.0 2567964-XX-C (W)

X011-6 High-Side Drive
AUTOPILOT_2

DAS22-D WH 2.00 FLRY
LHD 811.0 2567964-XX-B (W)

Z1-DAS22

DAS22-A WH 0.50 FLRY
LHD 1317.0 2567964-XX-B (W)

DAS22-C WH 0.50 FLRY
LHD 811.0 2567964-XX-B (W)

DAS22-B WH 0.50 FLRY
LHD 811.0 2567964-XX-B (W)

X121-4 Power In
12V0-BAT-5A

X121-5 Power In
12V0-BAT-5A

X121-13 Power In
12V0-BAT-5A

Condenser Fan
W

X011-2 Half-Bridge
CONDENSER_FAN_PHASE_A

X011-5 Half-Bridge
CONDENSER_FAN_PHASE_B

X011-1 Half-Bridge
CONDENSER_FAN_PHASE_C

X011-4 Ground
CONDENSER_FAN_GND_SHIELD

SH_TH501-A
TWIST_TH501-A
SHIELD911
Z6-TH504

TH504-B VT 0.50 FLRY
150.0 2567964-XX-B (W)

TH501-A RD 5.00 FLRB
1820.0 2567964-XX-B (W)

TH502-A YE 5.00 FLRB
1820.0 2567964-XX-B (W)

TH503-A BU 5.00 FLRB
1820.0 2567964-XX-B (W)

SH_TH501-A
TWIST_TH501-A
SHIELD911
Z5-TH504

TH504-A VT 0.50 FLRY
150.0 2567964-XX-B (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

HCU/ESP
W

X010-91 High-Side Drive
HCU_ESP_ABS_VALVE

X011-7 High-Side Drive
HCU_ESP_ABS_MOTOR

+ABS92-A YE 1.50 FLRY
1086.0 2567964-XX-B (W)

+ABS91-A BN 4 FLXB
923.0 2567964-XX-B (W)

X151-25 Power In
+12V_VR

X151-38 Ground
GND_ECU

X151-1 Power In
+12V_MR

X151-13 Ground
GND_MR

G031-A BK 1.50 FLRY
626.0 2567964-XX-C (W)

G030-A BK 4 FLXB
626.0 2567964-XX-C (W)

HV Battery
B X006 X007 X098

X006-1 Power In
DCDC+

DCDC1-A RD 50 3TBL
900.0 3067955-XX-C (B)

DCDC Inline
W,B

X005-1
DCDC+

X004-1
DCDC+

DCDC2-A RD 35 F91X
951.0 2567964-XX-B (W)

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

X015-3 Power In
PCS

X014-1 High-Side Drive
LEFT_CONTROLLER

+BCM91-A RD 16 F91X
1019.0 2567964-XX-B (W)

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

X036-1 Power In
Power

X036-2 Ground
Ground

+G191-A BK 6.00 FLRB
611.0 2567964-XX-C (W)

12V Battery
W

X009-1 Analog Out
Therm +

X009-2 Ground
Therm -

BMON1-A BU 0.35 FLXA
818.0 2567964-XX-B (W)

BMON2-A BU 0.35 FLXA
818.0 2567964-XX-B (W)

X010-31 Signal In
12V_BATTERY_TEMP_SENSOR

X010-20 Ground
BATT_TEMP_SENSOR_RETURN

X015-1 High-Side Drive
RIGHT_CONTROLLER

+BMC92-A RD 16 F91X
1442.0 2567964-XX-B (W)

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

X056-1 Power In
Power

X056-2 Ground
Ground

+G291-A BK 6.00 FLRB
1650.0 2567964-XX-C (W)

X001-1 Power In
Batt+

X002-1 Ground
BATT-

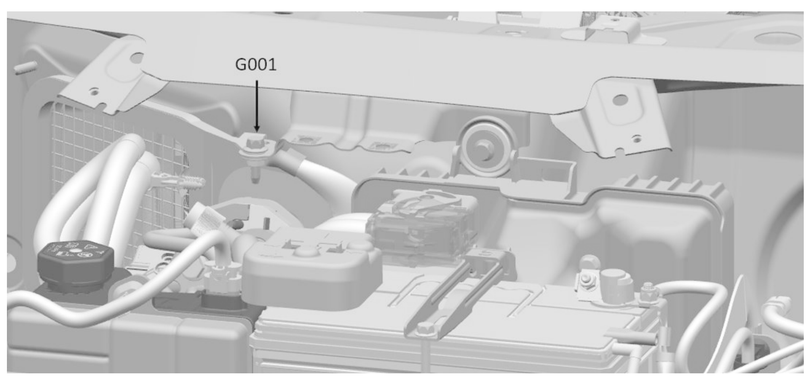
BATT01-A RD 35 F91X
809.0 2567964-XX-B (W)

NEG01-A SI 30 BRDT
228.0 BATT-

X014-3 Power In
VBAT

VCFront heatsink grounded through same cable

G001
1
Cowl



TESLA

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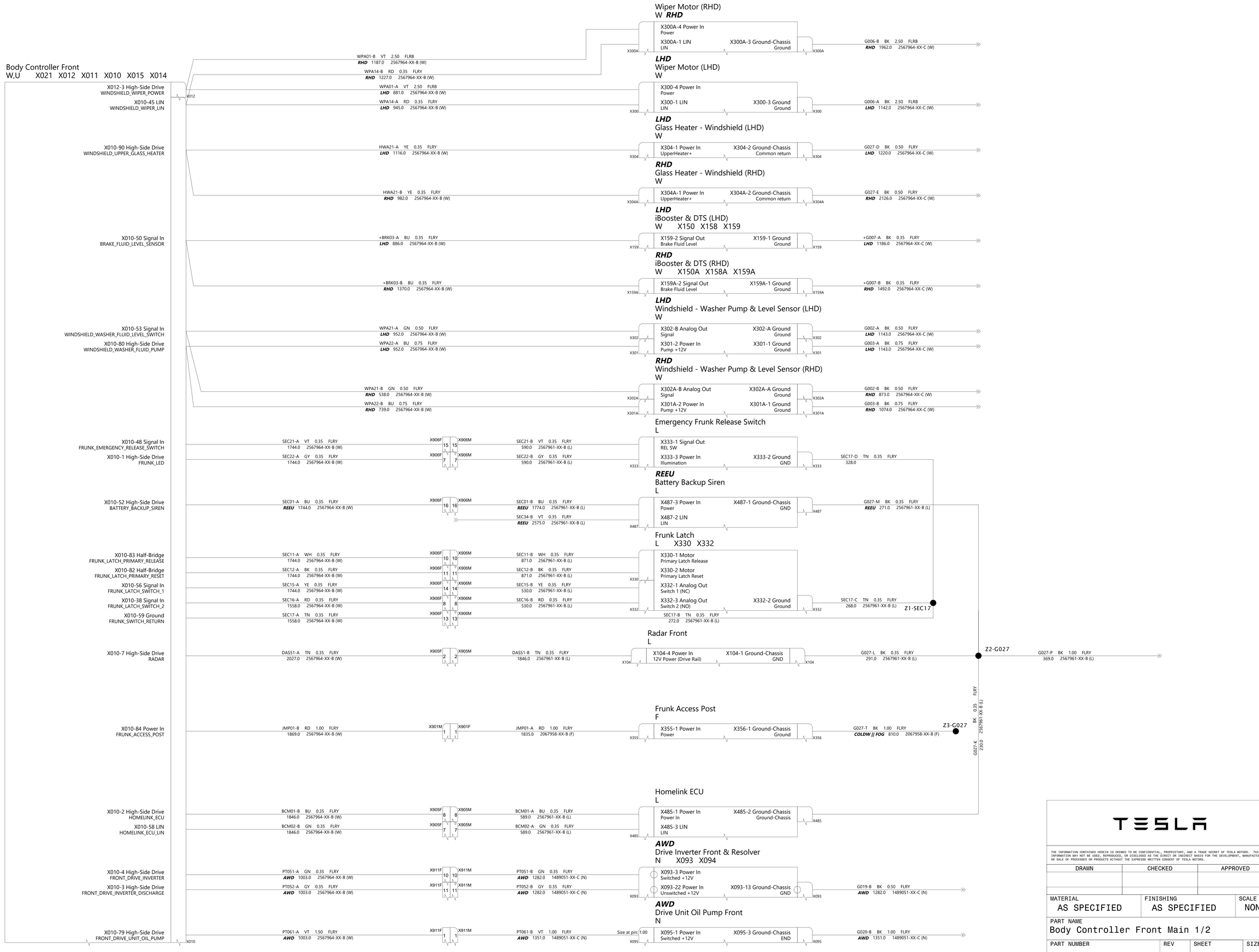
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Front High Current

PART NUMBER	REV	SHEET	SIZE
	7	5 OF 45	A0


Body Controller Front
W,U X021 X012 X011 X010 X015 X014
X012
X012-3 High-Side Drive
WINDSHIELD_WIPER_POWER
X010-45 LIN
WINDSHIELD_WIPER_LIN
X010-90 High-Side Drive
WINDSHIELD_UPPER_GLASS_HEATER
X010-50 Signal In
BRAKE_FLUID_LEVEL_SENSOR
X010-53 Signal In
WINDSHIELD_WASHER_FLUID_LEVEL_SWITCH
X010-80 High-Side Drive
WINDSHIELD_WASHER_FLUID_PUMP
X010-48 Signal In
FRUNK_EMERGENCY_RELEASE_SWITCH
X010-1 High-Side Drive
FRUNK_LED
X010-52 High-Side Drive
BATTERY_BACKUP_SIREN
X010-83 Half-Bridge
FRUNK_LATCH_PRIMARY_RELEASE
X010-82 Half-Bridge
FRUNK_LATCH_PRIMARY_RESET
X010-56 Signal In
FRUNK_LATCH_SWITCH_1
X010-38 Signal In
FRUNK_LATCH_SWITCH_2
X010-59 Ground
FRUNK_SWITCH_RETURN
X010-7 High-Side Drive
RADAR
X010-84 Power In
FRUNK_ACCESS_POST
X010-2 High-Side Drive
HOMELINK_ECU
X010-58 LIN
HOMELINK_ECU_LIN
X010-4 High-Side Drive
FRONT_DRIVE_INVERTER
X010-3 High-Side Drive
FRONT_DRIVE_INVERTER_DISCHARGE
X010-79 High-Side Drive
FRONT_DRIVE_UNIT_OIL_PUMP
X010
Wiper Motor (RHD)
W RHD
X300A-4 Power In
Power
X300A-1 LIN
LIN
X300A-3 Ground-Chassis
Ground
X300A
G006-B BK 2.50 FLRB
RHD 1962.0 2567964-XX-C (W)
LHD
Wiper Motor (LHD)
W
X300-4 Power In
Power
X300-1 LIN
LIN
X300-3 Ground
Ground
X300
G006-A BK 2.50 FLRB
LHD 1142.0 2567964-XX-C (W)
LHD
Glass Heater - Windshield (LHD)
W
X304-1 Power In
UpperHeater+
X304-2 Ground-Chassis
Common return
X304
G027-D BK 0.50 FLRY
LHD 1220.0 2567964-XX-C (W)
RHD
Glass Heater - Windshield (RHD)
W
X304A-1 Power In
UpperHeater+
X304A-2 Ground-Chassis
Common return
X304A
G027-E BK 0.50 FLRY
RHD 2126.0 2567964-XX-C (W)
LHD
iBooster & DTS (LHD)
W X150 X158 X159
X159-2 Signal Out
Brake Fluid Level
X159-1 Ground
Ground
X159
+G007-A BK 0.35 FLRY
LHD 1186.0 2567964-XX-C (W)
RHD
iBooster & DTS (RHD)
W X150A X158A X159A
X159A-2 Signal Out
Brake Fluid Level
X159A-1 Ground
Ground
X159A
+G007-B BK 0.35 FLRY
RHD 1492.0 2567964-XX-C (W)
LHD
Windshield - Washer Pump & Level Sensor (LHD)
W
X302-B Analog Out
Signal
X302-A Ground
Ground
X302
G002-A BK 0.50 FLRY
LHD 1143.0 2567964-XX-C (W)
X301-2 Power In
Pump +12V
X301-1 Ground
Ground
X301
G003-A BK 0.75 FLRY
LHD 1143.0 2567964-XX-C (W)
RHD
Windshield - Washer Pump & Level Sensor (RHD)
W
X302A-B Analog Out
Signal
X302A-A Ground
Ground
X302A
G002-B BK 0.50 FLRY
RHD 873.0 2567964-XX-C (W)
X301A-2 Power In
Pump +12V
X301A-1 Ground
Ground
X301A
G003-B BK 0.75 FLRY
RHD 1074.0 2567964-XX-C (W)
Emergency Frunk Release Switch
L
X333-1 Signal Out
REL SW
X333-3 Power In
Illumination
X333-2 Ground
GND
X333
SEC17-D TN 0.35 FLRY
328.0
REEU
Battery Backup Siren
L
X487-3 Power In
Power
X487-1 Ground-Chassis
GND
X487
G027-M BK 0.35 FLRY
REEU 271.0 2567961-XX-B (L)
X487-2 LIN
LIN
Frunk Latch
L X330 X332
X330-1 Motor
Primary Latch Release
X330-2 Motor
Primary Latch Reset
X332-1 Analog Out
Switch 1 (NC)
X332-3 Analog Out
Switch 2 (NO)
X332-2 Ground
Ground
X330
X332
SEC17-C TN 0.35 FLRY
268.0 2567961-XX-B (L)
Z1-SEC17
SEC17-B TN 0.35 FLRY
272.0 2567961-XX-B (L)
Radar Front
L
X104-4 Power In
12V Power (Drive Rail)
X104-1 Ground-Chassis
GND
X104
G027-L BK 0.35 FLRY
291.0 2567961-XX-B (L)
Z2-G027
G027-P BK 1.00 FLRY
369.0 2567961-XX-B (L)
Frunk Access Post
F
X355-1 Power In
Power
X356-1 Ground-Chassis
Ground
X355
X356
G027-T BK 1.00 FLRY
COLDW || FOG 810.0 2067958-XX-B (F)
Z3-G027
G027-K 230.0
BK 0.35 FLRY 2567961-XX-B (L)
Homelink ECU
L
X485-1 Power In
Power In
X485-2 Ground-Chassis
Ground-Chassis
X485
X485-3 LIN
LIN
AWD
Drive Inverter Front & Resolver
N X093 X094
X093-3 Power In
Switched +12V
X093-22 Power In
Unswitched +12V
X093-13 Ground-Chassis
GND
X093
G019-B BK 0.50 FLRY
AWD 1282.0 1489051-XX-C (N)
AWD
Drive Unit Oil Pump Front
N
X095-1 Power In
Switched +12V
X095-3 Ground-Chassis
END
X095
G020-B BK 1.00 FLRY
AWD 1351.0 1489051-XX-C (N)
WPA01-B VT 2.50 FLRB
RHD 1187.0 2567964-XX-B (W)
WPA14-B RD 0.35 FLRY
RHD 1227.0 2567964-XX-B (W)
WPA01-A VT 2.50 FLRB
LHD 881.0 2567964-XX-B (W)
WPA14-A RD 0.35 FLRY
LHD 945.0 2567964-XX-B (W)
HWA21-A YE 0.35 FLRY
LHD 1116.0 2567964-XX-B (W)
HWA21-B YE 0.35 FLRY
RHD 982.0 2567964-XX-B (W)
+BRK03-A BU 0.35 FLRY
LHD 886.0 2567964-XX-B (W)
+BRK03-B BU 0.35 FLRY
RHD 1370.0 2567964-XX-B (W)
WPA21-A GN 0.50 FLRY
LHD 952.0 2567964-XX-B (W)
WPA22-A BU 0.75 FLRY
LHD 952.0 2567964-XX-B (W)
WPA21-B GN 0.50 FLRY
RHD 538.0 2567964-XX-B (W)
WPA22-B BU 0.75 FLRY
RHD 739.0 2567964-XX-B (W)
SEC21-A VT 0.35 FLRY
1744.0 2567964-XX-B (W)
SEC22-A GY 0.35 FLRY
1744.0 2567964-XX-B (W)
X906F
X906M
15 15
7 7
SEC21-B VT 0.35 FLRY
590.0 2567961-XX-B (L)
SEC22-B GY 0.35 FLRY
590.0 2567961-XX-B (L)
SEC01-A BU 0.35 FLRY
REEU 1744.0 2567964-XX-B (W)
16 16
SEC01-B BU 0.35 FLRY
REEU 1774.0 2567961-XX-B (L)
SEC34-B VT 0.35 FLRY
REEU 2575.0 2567961-XX-B (L)
SEC11-A WH 0.35 FLRY
1744.0 2567964-XX-B (W)
SEC12-A BK 0.35 FLRY
1744.0 2567964-XX-B (W)
SEC15-A YE 0.35 FLRY
1744.0 2567964-XX-B (W)
SEC16-A RD 0.35 FLRY
1558.0 2567964-XX-B (W)
SEC17-A TN 0.35 FLRY
1558.0 2567964-XX-B (W)
10 10
11 11
14 14
8 8
13 13
SEC11-B WH 0.35 FLRY
871.0 2567961-XX-B (L)
SEC12-B BK 0.35 FLRY
871.0 2567961-XX-B (L)
SEC15-B YE 0.35 FLRY
530.0 2567961-XX-B (L)
SEC16-B RD 0.35 FLRY
530.0 2567961-XX-B (L)
DAS51-A TN 0.35 FLRY
2027.0 2567964-XX-B (W)
2 2
DAS51-B TN 0.35 FLRY
1846.0 2567961-XX-B (L)
JMP01-B RD 1.00 FLRY
1869.0 2567964-XX-B (W)
X901M
X901F
1 1
JMP01-A RD 1.00 FLRY
1835.0 2067958-XX-B (F)
BCM01-B BU 0.35 FLRY
1846.0 2567964-XX-B (W)
BCM02-B GN 0.35 FLRY
1846.0 2567964-XX-B (W)
BCM01-A BU 0.35 FLRY
589.0 2567961-XX-B (L)
BCM02-A GN 0.35 FLRY
589.0 2567961-XX-B (L)
PT051-A GN 0.35 FLRY
AWD 1003.0 2567964-XX-B (W)
PT052-A GY 0.35 FLRY
AWD 1003.0 2567964-XX-B (W)
PT051-B GN 0.35 FLRY
AWD 1282.0 1489051-XX-C (N)
PT052-B GY 0.35 FLRY
AWD 1282.0 1489051-XX-C (N)
PT061-A VT 1.50 FLRY
AWD 1003.0 2567964-XX-B (W)
PT061-B VT 1.00 FLRY
AWD 1351.0 1489051-XX-C (N)
Size at pin: 1.00
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DRAWN
CHECKED
APPROVED
MATERIAL
AS SPECIFIED
FINISHING
AS SPECIFIED
SCALE
NONE
PART NAME
Body Controller Front Main 1/2
PART NUMBER
REV
7
SHEET
6 OF 45
SIZE
A0

Body Controller Front

W,U X021 X012 X011 X010 X015 X014

X010-11 High-Side Drive
SIDE_REPEATER_LEFT

EXL08-A GN 0.35 FLRY
1645.0 2567964-XX-B (W)

X268 — X268-1 Power In (Power) / X268-2 Ground Return (Ground) — X823 — X268

Side Repeater DAS Left
W X268 X823

DAS82-B BK D302 COAX
RHD 1079.0 2567964-XX-B (W)

DAS82-A BK D302 COAX
LHD 2759.0 2567964-XX-B (W)

G024-A BK 0.35 FLRY
1779.0 2567964-XX-C (W)

X010-10 High-Side Drive
SIDE_REPEATER_RIGHT

EXL58-A YE 0.35 FLRY
1641.0 2567964-XX-B (W)

X269 — X269-1 Power In (Power) / X269-2 Ground Return (Ground) — X824 — X269

Side Repeater DAS Right
W X269 X824

DAS83-B BK D302 COAX
RHD 2517.0 2567964-XX-B (W)

DAS83-A BK D302 COAX
LHD 1131.0 2567964-XX-B (W)

G027-F BK 0.35 FLRY
1581.0 2567964-XX-C (W)

X010-8 High-Side Drive
SIDE_MARKER_LEFT

X010-5 High-Side Drive
FOG_LIGHT_LEFT

EXL06-A VT 0.35 FLRY
FOG 1998.0 2567964-XX-B (W)

EXL07-A RD 0.35 FLRY
FOG 1998.0 2567964-XX-B (W)

X901M: 11, 12 — X901F: 11, 12

EXL06-B VT 0.35 FLRY
FOG 2054.0 2067958-XX-B (F)

EXL07-B RD 0.35 FLRY
FOG 2054.0 2067958-XX-B (F)

X262 — X262-1 Power In (Side marker) / X262-2 Power In (Fog) / X262-3 Ground-Chassis (Ground) — X262

FOG Fascia Lamp Left
F

G027-V BK 0.35 FLRY
FOG 995.0 2067958-XX-B (F)

Z3-G027

G027-W BK 1.00 FLRY
COLDW || FOG 1044.0 2067958-XX-B (F)

X010-23 High-Side Drive
SIDE_MARKER_RIGHT

X010-9 High-Side Drive
FOG_LIGHT_RIGHT

EXL56-A GY 0.35 FLRY
FOG 1998.0 2567964-XX-B (W)

EXL57-A TN 0.35 FLRY
FOG 1998.0 2567964-XX-B (W)

X901M: 13, 14 — X901F: 13, 14

EXL56-B GY 0.35 FLRY
FOG 616.0 2067958-XX-B (F)

EXL57-B TN 0.35 FLRY
FOG 616.0 2067958-XX-B (F)

X263 — X263-1 Power In (Side marker) / X263-2 Power In (Fog) / X263-3 Ground-Chassis (Ground) — X263

FOG Fascia Lamp Right
F

G027-R BK 0.35 FLRY
FOG 836.0 2067958-XX-B (F)

X010-77 High-Side Drive
HEADLIGHT_RIGHT

X010-72 LIN
HEADLIGHT_RIGHT_LIN

EXL51-A BN 1.00 FLRY
1500.0 2567964-XX-B (W)

EXL54-A BU 0.35 FLRY
1500.0 2567964-XX-B (W)

X261 — X261-1 Power In (Power) / X261-2 LIN (LIN) / X261-3 Ground-Chassis (Ground) — X261

Headlamp Right
W

G016-A BK 1.00 FLRY
449.0 2567964-XX-C (W)

X010-78 High-Side Drive
HEADLIGHT_LEFT

X010-75 LIN
HEADLIGHT_LEFT_LIN

EXL01-A GN 1.00 FLRY
1377.0 2567964-XX-B (W)

EXL04-A BU 0.35 FLRY
1377.0 2567964-XX-B (W)

X260 — X260-1 Power In (Power) / X260-2 LIN (LIN) / X260-3 Ground-Chassis (Ground) — X260

Headlamp Left
W

G012-A BK 1.00 FLRY
439.0 2567964-XX-C (W)

X010-63 Half-Bridge
ACTIVE_LOUVER_PHASE_A

X010-62 Half-Bridge
ACTIVE_LOUVER_PHASE_B

X010-61 Half-Bridge
ACTIVE_LOUVER_PHASE_C

X010-47 Ground
ACTIVE_LOUVER_GND_SHIELD

SH_TH201-B — TWIST_TH201-B — SHIELD910 — Z4-TH204

TH201-B RD 0.35 FLRY
1558.0 2567964-XX-B (W)

TH202-B YE 0.35 FLRY
1558.0 2567964-XX-B (W)

TH203-B VT 0.35 FLRY
1558.0 2567964-XX-B (W)

TH204-D GY 0.35 FLRY
150.0 2567964-XX-B (W)

SH_TH201-B — TWIST_TH201-B — SHIELD910 — Z3-TH204

X906F: 2, 1, 3, 4 — X906M: 2, 1, 3, 4

TH204-C GY 0.35 FLRY
150.0 2567964-XX-B (W)

SH_TH201-A — TWIST_TH201-A — SHIELD909 — Z2-TH204

TH201-A RD 0.35 FLRY
1892.0 2567961-XX-B (L)

TH202-A YE 0.35 FLRY
1892.0 2567961-XX-B (L)

TH203-A VT 0.35 FLRY
1892.0 2567961-XX-B (L)

TH204-B GY 0.35 FLRY
150.0 2567961-XX-B (L)

SH_TH201-A — TWIST_TH201-A — SHIELD909 — Z1-TH204

TH204-A GY 0.35 FLRY
150.0 2567961-XX-B (L)

X506 — X506-4 Motor Phase 1 / X506-2 Motor Phase 2 / X506-3 Motor Phase 3 / X506-1 Ground GND

Active Louver
L

X010-94 High-Side Drive
HORN_HIGH_TONE

1.00 FLRY BCM21-A BU
1846.0 2567964-XX-B (W)

X199 — X199-1 Power In (Power) / X199-2 Ground (Ground) — X199

Horn - High Tone
W

G028-A BK 1.00 FLRY
852.0 2567964-XX-C (W)

X010-95 High-Side Drive
HORN_LOW_TONE

1.00 FLRY BCM22-A RD
1846.0 2567964-XX-B (W)

X198 — X198-1 Power In (Power) / X198-2 Ground (Ground) — X198

Horn - Low Tone
W

G029-A BK 1.00 FLRY
331.0 2567964-XX-C (W)

X010-68 Signal In
TRUNK_EXTERIOR_SWITCH

0.35 FLRY SEC72-A VT
3605.0 2567964-XX-B (W)

X057 — X057-5 Pass-through (TRUNK_EXTERIOR_SWITCH_PASSTHROUGH) / X050A-19 Signal In (TRUNK_EXTERIOR_SWITCH) — X050A

SEC73-B BU 0.35 FLRY
3750.0 3067955-XX-C (B)

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

X010-6 High-Side Drive
iBOOSTER_WAKE

0.35 FLRY +BRK05-A YE
LHD 822.0 2567964-XX-B (W)

+BRK05-B YE 0.35 FLRY
RHD 1388.0 2567964-XX-B (W)

X150 — X150-20 Power In (Wake)

LHD iBooster & DTS (LHD)
W X150 X158 X159

X150A — X150A-20 Power In (Wake)

RHD iBooster & DTS (RHD)
W X150A X158A X159A

X010-93 High-Side Drive
MCU_LOGIC

AUD02-A GN 1.50 FLRY
LHD 1395.0 2567964-XX-B (W)

AUD02-B GN 1.50 FLRY
RHD 1608.0 2567964-XX-B (W)

X010

X170 — X170-4 Power In (12V0-BAT)

LHD MCU (LHD)
W,B X170 X171 X172 X860 X802 X803 X804 X831 X173 X863 X850 X852

X170A — X170A-4 Power In (12V0-BAT)

RHD MCU (RHD)
W,B,A

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Body Controller Front Main 2/2

PART NUMBER	REV	SHEET	SIZE
	7	7 OF 45	A0

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

X030B-11 High-Side Drive — TRAILER_ECU → X030B
X030A-7 Special — TRAILER_LIGHT_ECU_LIN_TRAILER_BRAKE_SIGNAL → X030A

TRL10-A RD 3.00 FLRB
5410.0 4067954-XX-C (A)

TRL11-A VT 0.50 FLRY
5535.0 4067954-XX-C (A)

X039-10 High-Side Drive — LIFTGATE_SENSOR_POWER
X039-11 Signal In — LIFTGATE_STRUT_ENCODER_A
X039-12 Signal In — LIFTGATE_STRUT_ENCODER_B
X039-13 Ground — LIFTGATE_SHARED_GROUND_RETURN → X039
X031-32 Half-Bridge — LIFTGATE_STRUT_OPEN
X031-31 Half-Bridge — LIFTGATE_STRUT_CLOSE → X031
TWIST_PLG05-A

PLG01-A WH 0.35 FLRY
3602.0 4067954-XX-C (A)

PLG02-A GN 0.35 FLRY
3602.0 4067954-XX-C (A)

PLG03-A RD 0.35 FLRY
3602.0 4067954-XX-C (A)

PLG04-A BN 0.35 FLRY
3602.0 4067954-XX-C (A)

PLG05-A VT 2.00 FLRY
3848.0 4067954-XX-C (A)

PLG06-A BU 2.00 FLRY
3848.0 4067954-XX-C (A)

X030A-27 High-Side Drive — REAR_DRIVE_INVERTER → X030A
X031-21 High-Side Drive — REAR_DRIVE_INVERTER_DISCHARGE → X031

+DRV62-B GN 0.35 FLRY
4521.0 4067954-XX-C (A)

+DRV61-B VT 0.35 FLRY
4464.0 4067954-XX-C (A)

X950M 9 — 9 X950F
X950M 10 — 10 X950F

+DRV62-A GN 0.35 FLRY
1173.0 2067968-XX-B (X)

+DRV61-A VT 0.35 FLRY
4611.0 2067968-XX-B (X)

X030A-6 LIN — OVERHEAD_CONSOLE_LIN
X030A-26 High-Side Drive — OVERHEAD_CONSOLE_CONTROLLER → X030A
X030B-6 Ground — OVERHEAD_CONSOLE_GROUND_RETURN → X030B

INL70-A BN 0.35 FLRY
1681.0 4067954-XX-C (A)

INL81-A YE 0.35 FLRY
1681.0 4067954-XX-C (A)

INL82-A BK 0.35 FLRY
1681.0 4067954-XX-C (A)

X981M 18 — 18 X981F
X981M 19 — 19 X981F
X981M 16 — 16 X981F

INL70-B BN 0.35 FLRY
406.0 2067970-XX-A (K)

INL81-B YE 0.35 FLRY
316.0 2067970-XX-A (K)

INL82-B BK 0.35 FLRY
316.0 2067970-XX-A (K)

Vanity LED Right
K

X290-1 Power In — POWER
X290-2 Ground Return — GND → X290

INL12-A RD 0.35 FLRY
766.0 2067970-XX-A (K)

INL13-A BN 0.35 FLRY
766.0 2067970-XX-A (K)

Vanity LED Left
K

X289-1 Power In — POWER
X289-2 Ground Return — GND → X289

INL11-A BU 0.35 FLRY
603.0 2067970-XX-A (K)

INL10-A BK 0.35 FLRY
603.0 2067970-XX-A (K)

Overhead Console Rear
K

X288-1 Ground Return — Ground
X288-8 Power In — VBAT
X288-6 LIN — LIN
X288-2 Analog Out — Maplight Switch
X288-4 Power In — Maplight R Power
X288-3 Power In — Maplight L Power
X288-5 LIN — Private LIN → X288

INL27-A BK 0.35 FLRY
2023.0 2067970-XX-A (K)

INL28-A BN 0.35 FLRY
2136.0 2067970-XX-A (K)

INL26-A GN 0.35 FLRY
2008.0 2067970-XX-A (K)

INL29-A BN 0.35 FLRY
2136.0 2067970-XX-A (K)

INL30-A VT 0.35 FLRY
2023.0 2067970-XX-A (K)

INL31-A RD 0.35 FLRY
2023.0 2067970-XX-A (K)

SEC34-A VT 0.35 FLRY
406.0 2067970-XX-A (K)

X981F 2 — 2 X981M

SEC34-C VT 0.35 FLRY
REEU 221.0 4067954-XX-C (A)

X909M 15 — 15 X909F

SEC34-D VT 0.35 FLRY
REEU 2304.0 2567964-XX-B (W)

X906F 9 — 9 X906M

SEC34-B VT 0.35 FLRY
REEU 2575.0 2567961-XX-B (L)

SEC01-B BU 0.35 FLRY
REEU 1774.0 2567961-XX-B (L)

G027-M BK 0.35 FLRY
REEU 271.0 2567961-XX-B (L)

Z2-G027

Trailer Light Controller
A

X041-3 Power In — VBAT
X041-2 LIN — LIN
X041-1 Ground-Chassis — Ground → X041

G800-A BK 3.00 FLRB
5196.0 4067954-XX-C (A)

X041

Trunk Power Strut
A

X353-1 Power In — Hall Signal Power Supply
X353-2 Hall Sensor Out — Hall Sensor Output #1
X353-3 Hall Sensor Out — Hall Sensor Output #2
X353-4 Ground — Hall Signal Ground
X353-5 Motor — Motor Power Open/Extension
X353-8 Motor — Motor Power Close/Retract

TWIST_PLG05-A
X353

Drive Inverter Rear & Resolver
X X090 X091

X090-3 Power In — Switched +12V
X090-22 Power In — Unswitched +12V
X090-13 Ground-Chassis — GND → X090

G606-B BK 0.35 FLRY
1415.0 2067968-XX-B (X)

X090

Overhead Console Front
K

X299-7 LIN — LIN Interface to Vehicle
X299-1 Power In — VBAT
X299-16 Ground — Ground
X299-3 PWM Out — Vanity LED R
X299-14 Ground — Ground Return Vanity R
X299-4 PWM Out — Vanity LED L
X299-15 Ground — Ground Return Vanity L
X299-13 Ground — Ground Return (Rear OHC)
X299-2 Pass-through — VBAT
X299-9 LIN — LIN to Rear OHC (Intrusion Sensor)
X299-5 Analog In — Rear Map Lamp Switch Input
X299-10 PWM Out — Rear Maplight R
X299-11 PWM Out — Rear Maplight L

X299

REEU
Battery Backup Siren
L

X487-2 LIN — LIN
X487-3 Power In — Power
X487-1 Ground-Chassis — GND

X487

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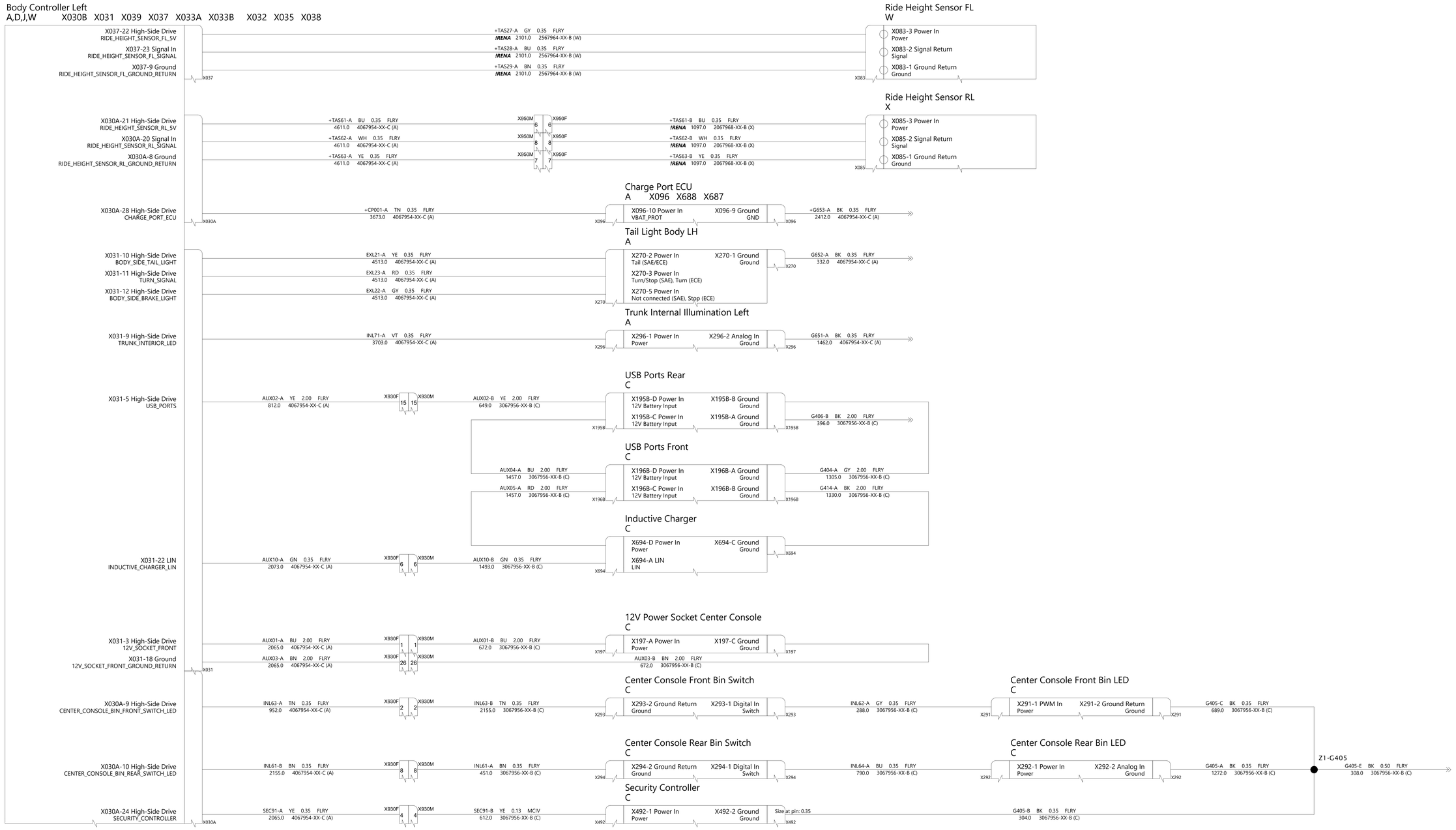
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Body Controller Left Body 1/2

PART NUMBER	REV	SHEET	SIZE
	7	8 OF 45	A0



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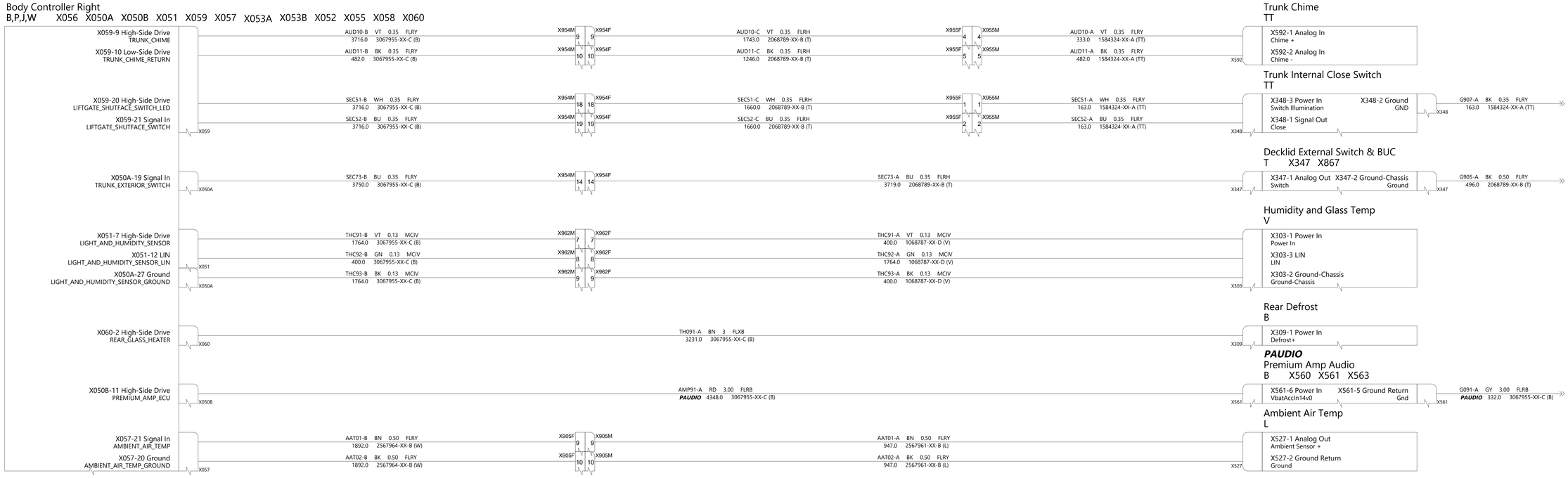
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Left Body 2/2

PART NUMBER	REV	SHEET	SIZE
	7	9 OF 45	A0



TESLA

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Right Body 1/2

PART NUMBER	REV	SHEET	SIZE
	7	10 OF 45	A0

Body Controller Right

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

X050B-9 High-Side Drive
M3_TRUNK_INTERIOR_LED
INL72-A RD 0.35 FLRY
3709.0 3067955-XX-C (B)

Trunk Internal Illumination Right
B
X297-1 Power In
Power
X297-2 Analog In
Ground
G603-A BK 0.35 FLRY
2286.0 3067955-XX-C (B)

X051-38 High-Side Drive
LICENSE_PLATE_LIGHTS
EXL81-B BN 0.35 FLRY
3605.0 3067955-XX-C (B)
X954M 4 4 X954F
EXL81-D BN 0.35 FLRH
1189.0 2068789-XX-B (T)
Z1-EXL81
EXL81-C BN 0.35 FLRY
495.0 2068789-XX-B (T)

License Plate Lamp Left
T
X279-1 Power In
Power
X279-2 Ground-Chassis
Ground
G902-A BK 0.50 FLRY
620.0 2068789-XX-B (T)

EXL81-A BN 0.35 FLRY
377.0 2068789-XX-B (T)

License Plate Lamp Right
T
X278-1 Power In
Power
X278-2 Ground-Chassis
Ground
G901-A BK 0.50 FLRY
502.0 2068789-XX-B (T)

Tail Light Liftgate LH
T ~GBL

X051-24 High-Side Drive
REVERSE_TRUNK_LIGHT_LEFT
EXL25-A WH 0.35 FLRY
3760.0 3067955-XX-C (B)
X954M 5 6 X954F
EXL25-C WH 0.35 FLRH
~GBL && IREEU 2126.0 2068789-XX-B (T)
EXL25-D WH 0.35 FLRY
~GBL && REEU 2146.0 2068789-XX-B (T)

X051-41 High-Side Drive
LIFTGATE_TAIL_LIGHT_LEFT
EXL83-A RD 0.35 FLRY
3760.0 3067955-XX-C (B)
X954M 2 2 X954F
EXL83-C RD 0.35 FLRH
~GBL 2126.0 2068789-XX-B (T)

X271-3 Power In
Fog or Backup
X271-2 Power In
Tail
X271-1 Ground-Chassis
Ground
G904-B BK 0.50 FLRY
~GBL 646.0 2068789-XX-B (T)

EXL25-B WH 0.35 FLRY
GBL 3605.0 2068789-XX-B (T)
EXL83-B RD 0.35 FLRY
GBL 2143.0 2068789-XX-B (T)

GBL
Tail Light Liftgate LH, Global
T
X271A-3 Power In
Backup
X271A-2 Power In
Tail
X271A-4 Power In
Fog
X271A-1 Ground
Ground
G904-A BK 0.50 FLRY
GBL 760.0 2068789-XX-B (T)

X051-8 High-Side Drive
FOG_TRUNK_LIGHT_LEFT
EXL26-A YE 0.35 FLRY
3760.0 3067955-XX-C (B)
X954M 3 3 X954F
-49508 0.35 FLRY
GBL 2143.0 2068789-XX-B (T)

Tail Light Liftgate RH
T ~GBL

X051-9 High-Side Drive
REVERSE_TRUNK_LIGHT_RIGHT
EXL75-A BU 0.35 FLRY
3760.0 3067955-XX-C (B)
X954M 6 6 X954F
EXL75-C BU 0.35 FLRH
~GBL 1631.0 2068789-XX-B (T)

X050A-24 High-Side Drive
LIFTGATE_TAIL_LIGHT_RIGHT
EXL82-A BN 0.35 FLRY
3750.0 3067955-XX-C (B)
X954M 7 7 X954F
EXL82-C BN 0.35 FLRH
~GBL 1631.0 2068789-XX-B (T)

X273-3 Power In
Fog or Backup
X273-2 Power In
Tail
X273-1 Ground-Chassis
Ground
G903-B BK 0.50 FLRY
~GBL 757.0 2068789-XX-B (T)

EXL75-B BU 0.35 FLRY
GBL 3605.0 2068789-XX-B (T)
EXL82-B BN 0.35 FLRY
GBL 1631.0 2068789-XX-B (T)

GBL
Tail Light Liftgate RH, Global
T
X273A-3 Power In
Backup
X273A-2 Power In
Tail
X273A-4 Power In
Fog
X273A-1 Ground
Ground
G903-A BK 0.50 FLRY
GBL 760.0 2068789-XX-B (T)

X051-23 High-Side Drive
FOG_TRUNK_LIGHT_RIGHT
EXL27-A RD
3760.0 3067955-XX-C (B)
X954M 8 8 X954F
-49512 0.35 FLRY
GBL 1631.0 2068789-XX-B (T)

Tail Light Body RH
B
X272-2 Power In
Tail (SAE/ECE)
X272-3 Power In
Turn/Stop (SAE), Turn (ECE)
X272-5 Power In
Not connected (SAE), Stop (ECE)
X272-1 Ground
Ground
G605-A BK 0.35 FLRY
3031.0 3067955-XX-C (B)

X050A-11 High-Side Drive
BODY_SIDE_TAIL_LIGHT_RIGHT
EXL71-A YE 0.35 FLRY
4608.0 3067955-XX-C (B)

X050B-8 High-Side Drive
TURN_SIGNAL
EXL73-A TN 0.35 FLRY
4454.0 3067955-XX-C (B)

X050A-12 High-Side Drive
BODY_SIDE_BRAKE_LIGHT
EXL72-A GY 0.35 FLRY
4454.0 3067955-XX-C (B)

CHMSL
Q
X274-2 Power In
Stop
X274-1 Ground
Ground
G602-B BK 0.35 FLRY
1400.0 1068770-XX-D (Q)

X050A-25 High-Side Drive
CHMSL_BRAKE_LIGHT
EXL91-A BU 0.35 FLRY
1233.0 3067955-XX-C (B)
X970M 6 6 X970F
EXL91-B BU 0.35 FLRY
2823.0 1068770-XX-D (Q)

Drive Unit Oil Pump Rear
X
X092-1 Power In
Switched +12V
X092-3 Ground-Chassis
GND
G604-B BK 1.00 FLRY
1532.0 2067968-XX-B (X)

X051-3 High-Side Drive
OIL_PUMP_REAR_DRIVE_UNIT
+DRV81-B RD 1.50 FLRY
4602.0 3067955-XX-C (B)
X952M 10 10 X952F
+DRV81-A RD 1.00 FLRY
1192.0 2067968-XX-B (X)

CAN Port
B
X179-9 CAN
VH CAN P
X179-10 CAN
VH CAN N
X179-13 CAN
CH CAN P
X179-14 CAN
CH CAN N
X179-2 CAN
PARTY CAN P
X179-3 CAN
PARTY CAN N
X179-20 Ground
GND
G036-A BK 0.50 FLRY
1492.0 3067955-XX-C (B)

X050A-30 CAN
VEHICLE_CAN_P
X050A-31 CAN
VEHICLE_CAN_N
X050A-13 CAN
CHASSIS_CAN_P
X050A-14 CAN
CHASSIS_CAN_N
X051-13 CAN
PRIVATE_CAN_P
X051-29 CAN
PRIVATE_CAN_N
TWIST-CAN_CVH21-A
+CVH21-A WH 0.35 FLRY
708.0 3067955-XX-C (B)
+CVH22-A VT 0.35 FLRY
708.0 3067955-XX-C (B)
TWIST-CAN_CCH15-A
+CCH15-A RD 0.35 FLRY
708.0 3067955-XX-C (B)
+CCH16-A BK 0.35 FLRY
708.0 3067955-XX-C (B)
TWIST-CAN_CPT21-A
+CPT21-A YE 0.35 FLRY
719.0 3067955-XX-C (B)
+CPT22-A GN 0.35 FLRY
719.0 3067955-XX-C (B)

RADIO
Radio Tuner
B X562 X815 X818
X562-1 Power In
ACC
X562-7 Digital In
BR+
X562-9 Digital In
BR-
X562-4 Ground-Chassis
Ground
AUD81-A RD 0.35 FLRY
RADIO 3395.0 3067955-XX-C (B)
G612-A BK 0.35 FLRY
RADIO 1972.0 3067955-XX-C (B)

X050B-3 High-Side Drive
RADIO_TUNER

CBR01-A GY 0.13 MCIV
RADIO && LHD || RADIO && RHD 335.0 3067955-XX-C (B)
CBR02-A YE 0.13 MCIV
RADIO && LHD || RADIO && RHD 335.0 3067955-XX-C (B)
X908M 13 13 X908F
X908M 14 14 X908F
TWIST-BRR_CBR01-A
TWIST-BRR_CBR01-B
CBR01-B GY 0.13 MCIV
LHD 3563.0 2567964-XX-B (W)
CBR02-B YE 0.13 MCIV
LHD 3563.0 2567964-XX-B (W)

Trunk Cinching Latch
T
X340-5 Motor
Motor -
X340-4 Motor
Motor +
X340-1 Analog Out
Ratchet switch +
X340-2 Analog Out
Pawl switch +
X340-6 Analog Out
Home Position Switch
X340-3 Ground
Ground
G906-A BK 0.50 FLRY
346.0 2068789-XX-B (T)

X050B-6 Half-Bridge
TRUNK_LATCH_B
X050B-2 Half-Bridge
TRUNK_LATCH_A
X050A-8 Signal In
TRUNK_LATCH_SWITCH_1
X059-23 Signal In
TRUNK_LATCH_SWITCH_2
X059-22 Signal In
TRUNK_LATCH_SWITCH_3
TWIST_SEC70-B
SEC70-B RD 1.00 FLRY
3914.0 3067955-XX-C (B)
SEC71-B GN 1.00 FLRY
3914.0 3067955-XX-C (B)
SEC74-A WH 0.35 FLRY
3750.0 3067955-XX-C (B)
SEC75-A VT 0.35 FLRY
3716.0 3067955-XX-C (B)
SEC77-A YE 0.35 FLRY
3716.0 3067955-XX-C (B)
X954M 11 11 X954F
X954M 20 20 X954F
X954M 13 13 X954F
X954M 16 16 X954F
X954M 17 17 X954F
TWIST_SEC70-A
SEC70-A RD 1.00 FLRH
1918.0 2068789-XX-B (T)
SEC71-A GN 1.00 FLRH
3719.0 2068789-XX-B (T)
SEC74-B WH 0.35 FLRH
1826.0 2068789-XX-B (T)
SEC75-B VT 0.35 FLRH
1826.0 2068789-XX-B (T)
SEC77-B YE 0.35 FLRH
1826.0 2068789-XX-B (T)

HV Battery
B X006 X007 X098
X098-8 Power In
VEH-12V-BAT

X050B-4 High-Side Drive
HV_CONTROLLER
+BMS01-A YE 0.75 FLRY
2497.0 3067955-XX-C (B)

Mirror - Rear View - Electrochromatic
V
X129-1 Power In
EC+
X129-2 Ground-Chassis
EC-

X051-26 High-Side Drive
MIRROR_REAR_VIEW_DIM
X050A-28 Ground
MIRROR_REAR_VIEW_GROUND
INL91-B YE 0.35 FLRY
1809.0 3067955-XX-C (B)
INL92-B WH 0.35 FLRY
1809.0 3067955-XX-C (B)
X962M 1 1 X962F
X962M 2 2 X962F
INL91-A YE 0.35 FLRY
286.0 1068787-XX-D (V)
INL92-A WH 0.35 FLRY
286.0 1068787-XX-D (V)

LHD
MCU (LHD)
W,B,A X170 X171 X172 X860 X802 X803 X804 X831 X173 X863 X850 X852

X051-43 Special
ECALL_STANDBY_POWER
X051-37 Pass-through
ECALL_PASSTHROUGH
ECL06-A RD 0.50 FLRY
LHD && REEU 1125.0 3067955-XX-C (B)
+ENS10_B-B YE 0.35 FLRY
LHD && REEU 1125.0 3067955-XX-C (B)
X173-6 Power In REEU
Standby Supply +
X173-8 PWM In REEU
RCM-ENS-IN

RHD
MCU (RHD)
W,B,A X170A X171A X172A X860A X802A X803A X804A X831A X173A X863A X850A X852A

ECL06-B RD 0.50 FLRY
RHD && REEU 1701.0 3067955-XX-C (B)
+ENS10_B-C YE 0.35 FLRY
REEU && RHD 1701.0 3067955-XX-C (B)
X935M 8 8 X935F
X935M 7 7 X935F
ECL06-C RD 0.50 FLRY
RHD && REEU 3026.0 4067954-XX-C (A)
+ENS10_B-A YE 0.35 FLRY
REEU && RHD 3026.0 4067954-XX-C (A)
X173A-6 Power In REEU
Standby Supply +
X173A-8 PWM In REEU
RCM-ENS-IN

Restraints Controller
A,J X200 X201

X055-34 Pass-through
ECALL_PASSTHROUGH
+ENS10_A-A YE 0.35 FLRY
REEU 2392.0 3067960-XX-B, 3117690-XX-B (J)
X200-35 Low-Side Drive REEU
ENS2

RHD
Diag Connector Cabin (RHD)
W

X185A-1 Ethernet2Wire
Diag Eth TX-P
X185A-2 Ethernet2Wire
Diag Eth TX-N
X185A-3 Ethernet2Wire
Diag Eth RX-P
X185A-4 Ethernet2Wire
Diag Eth RX-N
TWIST_CDIAG5-A
CDIAG1_R-A YE 0.35 FLRY
RHD 3198.0 2567964-XX-B (W)
CDIAG2_R-A BU 0.35 FLRY
RHD 3198.0 2567964-XX-B (W)
TWIST_CDIAG7-A
CDIAG3_R-A WH 0.35 FLRY
RHD 3198.0 2567964-XX-B (W)
CDIAG4_R-A VT 0.35 FLRY
RHD 3198.0 2567964-XX-B (W)

RHD
MCU (RHD)
W,B,A
X172A-7 Ethernet2Wire
Diag Eth TX-P
X172A-8 Ethernet2Wire
Diag Eth TX-N
X172A-9 Ethernet2Wire
Diag Eth RX-P
X172A-10 Ethernet2Wire
Diag Eth RX-N
X172A-12 Ethernet2Wire
Radio BR Eth P
X172A-11 Ethernet2Wire
Radio BR Eth N

CBR01-C GY 0.13 MCIV
RHD 3131.0 2567964-XX-B (W)
CBR02-C YE 0.13 MCIV
RHD 3131.0 2567964-XX-B (W)

LHD
Diag Connector Cabin (LHD)
W

X185-1 Ethernet2Wire
Diag Eth TX-P
X185-2 Ethernet2Wire
Diag Eth TX-N
X185-3 Ethernet2Wire
Diag Eth RX-P
X185-4 Ethernet2Wire
Diag Eth RX-N
TWIST_CDIAG1-A
CDIAG1-A YE 0.35 FLRY
LHD 1474.0 2567964-XX-B (W)
CDIAG2-A BU 0.35 FLRY
LHD 1474.0 2567964-XX-B (W)
TWIST_CDIAG3-A
CDIAG3-A WH 0.35 FLRY
LHD 2700.0 2567964-XX-B (W)
CDIAG4-A VT 0.35 FLRY
LHD 2700.0 2567964-XX-B (W)

LHD
MCU (LHD)
W,B
X172-7 Ethernet2Wire
Diag Eth TX-P
X172-8 Ethernet2Wire
Diag Eth TX-N
X172-9 Ethernet2Wire
Diag Eth RX-P
X172-10 Ethernet2Wire
Diag Eth RX-N
X172-12 Ethernet2Wire
Radio BR Eth P
X172-11 Ethernet2Wire
Radio BR Eth N

TESLA

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Right Body 2/2

PART NUMBER	REV	SHEET	SIZE
	7	11 OF 45	A0

Body Controller Left

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

X035-20 Ground
DASHBOARD_HARNESS_GROUND_RETURN

IPG01-A BK 2.00 FLRY
1246.0 3067960-XX-B, 3117690-XX-B (J)

X035-34 High-Side Drive
ACCESSORY_FEED_2_DASH

ETC02-A GN 0.35 FLRY
REAP && RHD 759.0 3067960-XX-B, 3117690-XX-B (J)

X035-33 High-Side Drive
ACCESSORY_FEED_1

ETC01-A RD 0.35 FLRY
REAP && RHD 759.0 3067960-XX-B, 3117690-XX-B (J)

RHD && REAP
ETC
J

X695-1 Power In
ACC
X695-2 Ground Return
GND
X695-3 Power - Always On
BATT+
X695

X695

IPG01-I BK 0.50 FLRY
REAP && RHD 1206.0 3067960-XX-B, 3117690-XX-B (J)

LHD && REAP || LHD && REEU
OBD-II
J

OBD01-A GN 0.35 FLRY
LHD && REAP || LHD && REEU 660.0 3067960-XX-B, 3117690-XX-B (J)

OBD02-A RD 0.35 FLRY
LHD && REAP || LHD && REEU 660.0 3067960-XX-B, 3117690-XX-B (J)

X181-3 Power In
Accessory
X181-16 Power In
VBATT
X181-11 Power In
Accessory - always on
X181-6 CAN
CAN P
X181-14 CAN
CAN N
X181-4 Ground
Ground
X181-5 Ground
Ground
X181

X035-45 High-Side Drive
ACCESSORY_FEED_ALWAYS_ON

OBD03-A YE 0.35 FLRY
LHD && REAP || LHD && REEU 660.0 3067960-XX-B, 3117690-XX-B (J)

X035-30 CAN
OBD_CAN_P

OBD05-A BN 0.35 FLRY
LHD && REAP || LHD && REEU 693.0 3067960-XX-B, 3117690-XX-B (J)

TWIST-CAN_OBD03-A

TWIST-CAN_OBD03-A

IPG01-G BK 0.50 FLRY
LHD && REAP || LHD && REEU 1456.0 3067960-XX-B, 3117690-XX-B (J)

X035-14 CAN
OBD_CAN_N

OBD06-A VT 0.35 FLRY
LHD && REAP || LHD && REEU 693.0 3067960-XX-B, 3117690-XX-B (J)

IPG01-H BK 0.50 FLRY
LHD && REAP || LHD && REEU 559.0 3067960-XX-B, 3117690-XX-B (J)

Steering Angle and Stalk ECU
J X180 X183 X184

X035-5 High-Side Drive
STEERING_WHEEL_CONTROLS_ECU

SCA11-A VT 0.75 FLRY
Z365.0 3067960-XX-B, 3117690-XX-B (J)

X035-44 High-Side Drive
STEERING_ANGLE_AND_STALK_ECU

SCA13-A GY 0.35 FLRY
Z365.0 3067960-XX-B, 3117690-XX-B (J)

X035-41 LIN
STEERING_WHEEL_CONTROLS_ECU_LIN

SCA12-A BN 0.35 FLRY
Z365.0 3067960-XX-B, 3117690-XX-B (J)

X180-7 Power In
Power (Steering Wheel)
X180-1 Power In
Power
X180-14 LIN
LIN
X180-4 Ground
GND
X180-6 Ground
GND (Steering Wheel)
X180

IPG01-B BK 0.75 FLRY
1129.0 3067960-XX-B, 3117690-XX-B (J)

IPG01-C BK 0.75 FLRY
1129.0 3067960-XX-B, 3117690-XX-B (J)

Footwell LED Front Left
J

X035-43 High-Side Drive
FOOTWELL_LED_FRONT

INL41-A RD 0.35 FLRY
1078.0 3067960-XX-B, 3117690-XX-B (J)

X280-1 Power In
Power
X280-2 Analog In
Ground
X280

IPG01-E BK 0.50 FLRY
783.0 3067960-XX-B, 3117690-XX-B (J)

X035

Body Controller Right

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

Restraints Controller
A,J X200 X201

X055-33 Pass-through
RESTRAINT_CONTROL_MODULE_PASSTHROUGH_2

+SRI97_B-A VT 0.35 FLRY
2678.0 3067960-XX-B, 3117690-XX-B (J)

X055-32 Pass-through
RESTRAINT_CONTROL_MODULE_PASSTHROUGH_1

+SRI96_B-A RD 0.35 FLRY
2678.0 3067960-XX-B, 3117690-XX-B (J)

X200-27 Power In
PWR2
X200-40 Power In
PWR1
X201-55 Ground
GND
X200

X201

+G403-A BK 0.35 FLRY
1160.0 4067954-XX-C (A)

Footwell LED Front Right
J

X055-12 High-Side Drive
FOOTWELL_LED_FRONT

INL42-A GY 0.35 FLRY
1307.0 3067960-XX-B, 3117690-XX-B (J)

X281-1 Power In
Power
X281-2 Analog In
Ground
X281

IPG01-F BK 0.50 FLRY
1206.0 3067960-XX-B, 3117690-XX-B (J)

Z1-IPG01

Glove Box - Ajar Sensor
J

Glove Box - LED
J

X055-15 High-Side Drive
GLOVE_BOX_LED

INL51-A TN 0.35 FLRY
2298.0 3067960-XX-B, 3117690-XX-B (J)

X187-1 Analog In
Analog In
X187-3 Analog In
Analog In
X187

X187

INL52-A WH 0.35 FLRY
1064.0 3067960-XX-B, 3117690-XX-B (J)

X188-1 Power In
Power
X188-2 Analog In
Ground
X188

X188

IPG01-D BK 0.50 FLRY
1023.0 3067960-XX-B, 3117690-XX-B (J)

Lateral Vanes Left
J

X055-26 Half-Bridge
HVAC_LEFT_VANE_DUCT_OPEN

THC33-A YE 0.35 FLRY
1812.0 3067960-XX-B, 3117690-XX-B (J)

X055-19 High-Side Drive
HVAC_LEFT_VANE_POSITION_5V

THC13-A GY 0.35 FLRY
1812.0 3067960-XX-B, 3117690-XX-B (J)

X055-4 Signal In
HVAC_LEFT_VANE_DUCT_POSITION

THC34-A GN 0.35 FLRY
1812.0 3067960-XX-B, 3117690-XX-B (J)

X055-27 Half-Bridge
HVAC_LEFT_VANE_DUCT_CLOSE

THC35-A WH 0.35 FLRY
1812.0 3067960-XX-B, 3117690-XX-B (J)

X055-21 Ground
HVAC_LEFT_VANE_POSITION_GROUND

THC14-A BK 0.35 FLRY
1812.0 3067960-XX-B, 3117690-XX-B (J)

X559-3 Motor
Duct Open
X559-4 Power In
Duct Position 5v
X559-5 Analog Out
Duct Position
X559-7 Motor
Duct Close
X559-6 Ground
Duct Position Ground
X559

Lateral Vanes Right
J

X055-28 Half-Bridge
HVAC_RIGHT_VANE_DUCT_OPEN

THC36-A BN 0.35 FLRY
1044.0 3067960-XX-B, 3117690-XX-B (J)

X055-2 High-Side Drive
HVAC_RIGHT_VANE_POSITION_5V

THC15-A WH 0.35 FLRY
1044.0 3067960-XX-B, 3117690-XX-B (J)

X055-3 Signal In
HVAC_RIGHT_VANE_DUCT_POSITION

THC37-A BU 0.35 FLRY
1044.0 3067960-XX-B, 3117690-XX-B (J)

X055-29 Half-Bridge
HVAC_RIGHT_VANE_DUCT_CLOSE

THC38-A YE 0.35 FLRY
1044.0 3067960-XX-B, 3117690-XX-B (J)

X055-20 Ground
HVAC_RIGHT_VANE_POSITION_GROUND

THC16-A VT 0.35 FLRY
1044.0 3067960-XX-B, 3117690-XX-B (J)

X558-3 Motor
Duct Open
X558-4 Power In
Duct Position 5v
X558-5 Analog Out
Duct Position
X558-7 Motor
Duct Close
X558-6 Ground
Duct Position Ground
X558

Cabin Thermistors
J

X055-5 Signal In
HVAC_CABIN_TEMP

THC61-A BU 0.13 MCIV
1420.0 3067960-XX-B, 3117690-XX-B (J)

X055-14 High-Side Drive
HVAC_CABIN_TEMP_FAN

THC63-A RD 0.13 MCIV
1420.0 3067960-XX-B, 3117690-XX-B (J)

TWIST_THC63-A

TWIST_THC63-A

X055-13 Ground
HVAC_CABIN_TEMP_FAN_GROUND

THC65-A GN 0.13 MCIV
1420.0 3067960-XX-B, 3117690-XX-B (J)

X055-22 Ground
HVAC_CABIN_TEMP_SIGNAL_GROUND

THC62-A YE 0.13 MCIV
1420.0 3067960-XX-B, 3117690-XX-B (J)

X542-1 Signal Out
Thermistor
X542-3 Power In
Motor +
X542-4 Ground
Motor -
X542-2 Ground
Thermistor Ground
X542

IP Duct Thermistor, Right
J

X055-31 Signal In
HVAC_RIGHT_UPPER_DUCT_TEMP

THC66-A GN 0.35 FLRY
1506.0 3067960-XX-B, 3117690-XX-B (J)

X055-25 Ground
HVAC_RIGHT_UPPER_DUCT_TEMP_GROUND

THC67-A BU 0.35 FLRY
1506.0 3067960-XX-B, 3117690-XX-B (J)

X550-1 Analog Out
Signal
X550-2 Ground
Vref Return (GND)
X550

IP Duct Thermistor, Left
J

X055-30 Signal In
HVAC_LEFT_UPPER_DUCT_TEMP

THC68-A BU 0.35 FLRY
1809.0 3067960-XX-B, 3117690-XX-B (J)

X055-24 Ground
HVAC_LEFT_UPPER_DUCT_TEMP_GROUND

THC69-A VT 0.35 FLRY
1809.0 3067960-XX-B, 3117690-XX-B (J)

X547-1 Analog Out
Signal
X547-2 Ground
Vref Return (GND)
X547

Glove Box - Latch
J

X055-17 High-Side Drive
GLOVE_BOX_LATCH_RELEASE

INL53-A VT 0.50 FLRY
2163.0 3067960-XX-B, 3117690-XX-B (J)

X055-23 Ground
GLOVE_BOX_LATCH_GROUND

INL54-A BN 0.50 FLRY
2163.0 3067960-XX-B, 3117690-XX-B (J)

X186-1 High-Side Drive
Anode
X186-2 Ground-Chassis
Cathode
X186

X055

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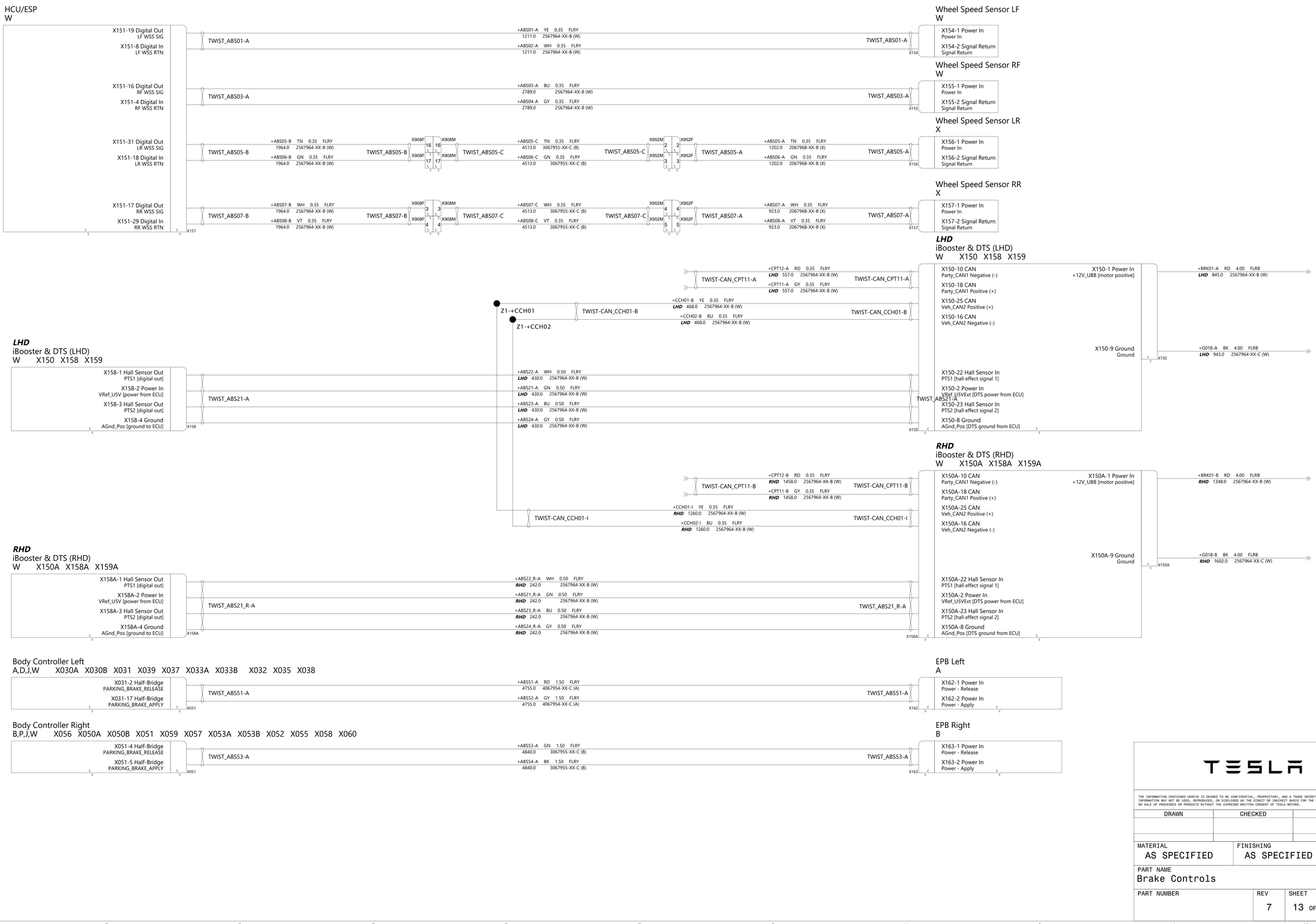
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controllers Dashboard

PART NUMBER	REV	SHEET	SIZE
	7	12 OF 45	A0



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Brake Controls

PART NUMBER	REV	SHEET	SIZE
	7	13 OF 45	A0

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
CAN Chassis

PART NUMBER	REV	SHEET	SIZE
	7	14 OF 45	A0

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

120Ω (T)

X010-69 CAN PARTY_CAN_P
X010-70 CAN PARTY_CAN_N

TWIST-CAN_CPT13-A
+CPT13-A BU 0.35 FLRY
AWD 856.0 2567964-XX-B (W)
+CPT14-A WH 0.35 FLRY
AWD 856.0 2567964-XX-B (W)
TWIST-CAN_CPT13-A
X911F 4 5 X911M
TWIST-CAN_CPT13-B
+CPT13-B BU 0.35 FLRY
AWD 1232.0 1489051-XX-C (N)
+CPT14-B WH 0.35 FLRY
AWD 1232.0 1489051-XX-C (N)
TWIST-CAN_CPT13-B
X093
X093-30 CAN PRTY-CAN+
X093-20 CAN PRTY-CAN-
(T) 720Ω

AWD
Drive Inverter Front & Resolver
N X093 X094

X010-12 CAN PARTY_CAN_P
X010-27 CAN PARTY_CAN_N

TWIST-CAN_CPT03-B
+CPT03-B RD 0.35 FLRY
RHD 1738.0 2567964-XX-B (W)
+CPT04-B WH 0.35 FLRY
RHD 1738.0 2567964-XX-B (W)
TWIST-CAN_CPT03-B
X120A
X120A-5 CAN PARTY-CAN-H
X120A-6 CAN PARTY-CAN-L

RHD
Autopilot ECU (RHD)
W,J,B

TWIST-CAN_CPT03-A
+CPT03-A RD 0.35 FLRY
LHD 1501.0 2567964-XX-B (W)
+CPT04-A WH 0.35 FLRY
LHD 1501.0 2567964-XX-B (W)
TWIST-CAN_CPT03-A
X120
X120-5 CAN PARTY-CAN-H
X120-6 CAN PARTY-CAN-L

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

X010-13 CAN PARTY_CAN_P
X010-28 CAN PARTY_CAN_N

TWIST-CAN_CPT05-B
+CPT05-B BU 0.35 FLRY
RHD 1689.0 2567964-XX-B (W)
+CPT06-B GY 0.35 FLRY
RHD 1689.0 2567964-XX-B (W)
TWIST-CAN_CPT05-B
X170A
X170A-3 CAN PARTY-CAN-H
X170A-9 CAN PARTY-CAN-L

RHD
MCU (RHD)
W,B,A X170A X171A X172A X860A X802A X803A X804A X831A X173A X863A X850A X852A

TWIST-CAN_CPT05-A
+CPT05-A BU 0.35 FLRY
LHD 1488.0 2567964-XX-B (W)
+CPT06-A GY 0.35 FLRY
LHD 1488.0 2567964-XX-B (W)
TWIST-CAN_CPT05-A
X170
X170-3 CAN PARTY-CAN-H
X170-9 CAN PARTY-CAN-L

LHD
MCU (LHD)
W,B X170 X171 X172 X860 X802 X803 X804 X831 X173 X863 X850 X852

X010-40 CAN PARTY_CAN_P
X010-41 CAN PARTY_CAN_N

TWIST-CAN_CPT07-B
+CPT07-B GN 0.35 FLRY
RHD 1628.0 2567964-XX-B (W)
+CPT08-B BN 0.35 FLRY
RHD 1628.0 2567964-XX-B (W)
TWIST-CAN_CPT07-B
X192A
X192A-2 CAN-P CAN1_HI
X192A-3 CAN-N CAN1_LO

RHD
EPAS (RHD)
W X190A X191A X192A X193A

TWIST-CAN_CPT07-A
+CPT07-A GN 0.35 FLRY
LHD 1422.0 2567964-XX-B (W)
+CPT08-A BN 0.35 FLRY
LHD 1422.0 2567964-XX-B (W)
TWIST-CAN_CPT07-A
X192
X192-2 CAN-P CAN1_HI
X192-3 CAN-N CAN1_LO

LHD
EPAS (LHD)
W X190 X191 X192 X193

X010-14 CAN PARTY_CAN_P
X010-29 CAN PARTY_CAN_N

TWIST-CAN_CPT09-A
+CPT09-A RD 0.35 FLRY
810.0 2567964-XX-B (W)
+CPT10-A WH 0.35 FLRY
810.0 2567964-XX-B (W)
TWIST-CAN_CPT09-A
X151
X151-26 CAN CAN + P Party Bus
X151-14 CAN CAN - N Party Bus

HCU/ESP
W

X010-54 CAN PARTY_CAN_P
X010-55 CAN PARTY_CAN_N

TWIST-CAN_CPT11-B
+CPT11-B GY 0.35 FLRY
RHD 1458.0 2567964-XX-B (W)
+CPT12-B RD 0.35 FLRY
RHD 1458.0 2567964-XX-B (W)
TWIST-CAN_CPT11-B
X150A
X150A-18 CAN Party_CAN1 Positive (+)
X150A-10 CAN Party_CAN1 Negative (-)

RHD
iBooster & DTS (RHD)
W X150A X158A X159A

TWIST-CAN_CPT11-A
+CPT11-A GY 0.35 FLRY
LHD 557.0 2567964-XX-B (W)
+CPT12-A RD 0.35 FLRY
LHD 557.0 2567964-XX-B (W)
TWIST-CAN_CPT11-A
X150
X150-18 CAN Party_CAN1 Positive (+)
X150-10 CAN Party_CAN1 Negative (-)

LHD
iBooster & DTS (LHD)
W X150 X158 X159

X010-15 CAN PARTY_CAN_P
X010-30 CAN PARTY_CAN_N
X010

TWIST-CAN_CPT19-B
+CPT19-B BU 0.35 FLRY
1501.0 2567964-XX-B (W)
+CPT20-B VT 0.35 FLRY
1501.0 2567964-XX-B (W)
TWIST-CAN_CPT19-B
X909F 16 17 X909M
TWIST-CAN_CPT19-A

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

X031-29 CAN PRIVATE_CAN_P
X031-30 CAN PRIVATE_CAN_N

TWIST-CAN_CPT19-A
+CPT19-A BU 0.35 FLRY
448.0 4067954-XX-C (A)
+CPT20-A VT 0.35 FLRY
448.0 4067954-XX-C (A)

X031-43 CAN PRIVATE_CAN_P
X031-42 CAN PRIVATE_CAN_N

TWIST-CAN_CPT01-B
+CPT01-B GY 0.35 FLRY
2843.0 4067954-XX-C (A)
+CPT02-B TN 0.35 FLRY
2843.0 4067954-XX-C (A)
TWIST-CAN_CPT01-B
X936F 10 22 X936M
TWIST-CAN_CPT01-A
+CPT01-A GY 0.35 FLRY
696.0 3067955-XX-C (B)
+CPT02-A TN 0.35 FLRY
696.0 3067955-XX-C (B)
TWIST-CAN_CPT01-A
X051
X051-14 CAN PRIVATE_CAN_P
X051-30 CAN PRIVATE_CAN_N
(T) 720Ω

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

X031-44 CAN PRIVATE_CAN_P
X031-45 CAN PRIVATE_CAN_N

TWIST-CAN_CPT15-A
+CPT15-A RD 0.35 FLRY
2097.0 4067954-XX-C (A)
+CPT16-A WH 0.35 FLRY
2097.0 4067954-XX-C (A)
TWIST-CAN_CPT15-A
X201
X201-72 CAN CAN2H (Private)
X201-71 CAN CAN2L (Private)

Restraints Controller
A,J X200 X201

X031-13 CAN PRIVATE_CAN_P
X031-14 CAN PRIVATE_CAN_N
X031

TWIST-CAN_CPT17-A
+CPT17-A WH 0.35 FLRY
4688.0 4067954-XX-C (A)
+CPT18-A GN 0.35 FLRY
4688.0 4067954-XX-C (A)
TWIST-CAN_CPT17-A
X950M 4 5 X950F
TWIST-CAN_CPT17-B
+CPT17-B WH 0.35 FLRY
1232.0 2067968-XX-B (X)
+CPT18-B GN 0.35 FLRY
1232.0 2067968-XX-B (X)
TWIST-CAN_CPT17-B
X090
X090-30 CAN-P PRTY-CAN+
X090-20 CAN-N PRTY-CAN-
(T) 120Ω

Drive Inverter Rear & Resolver
X X090 X091

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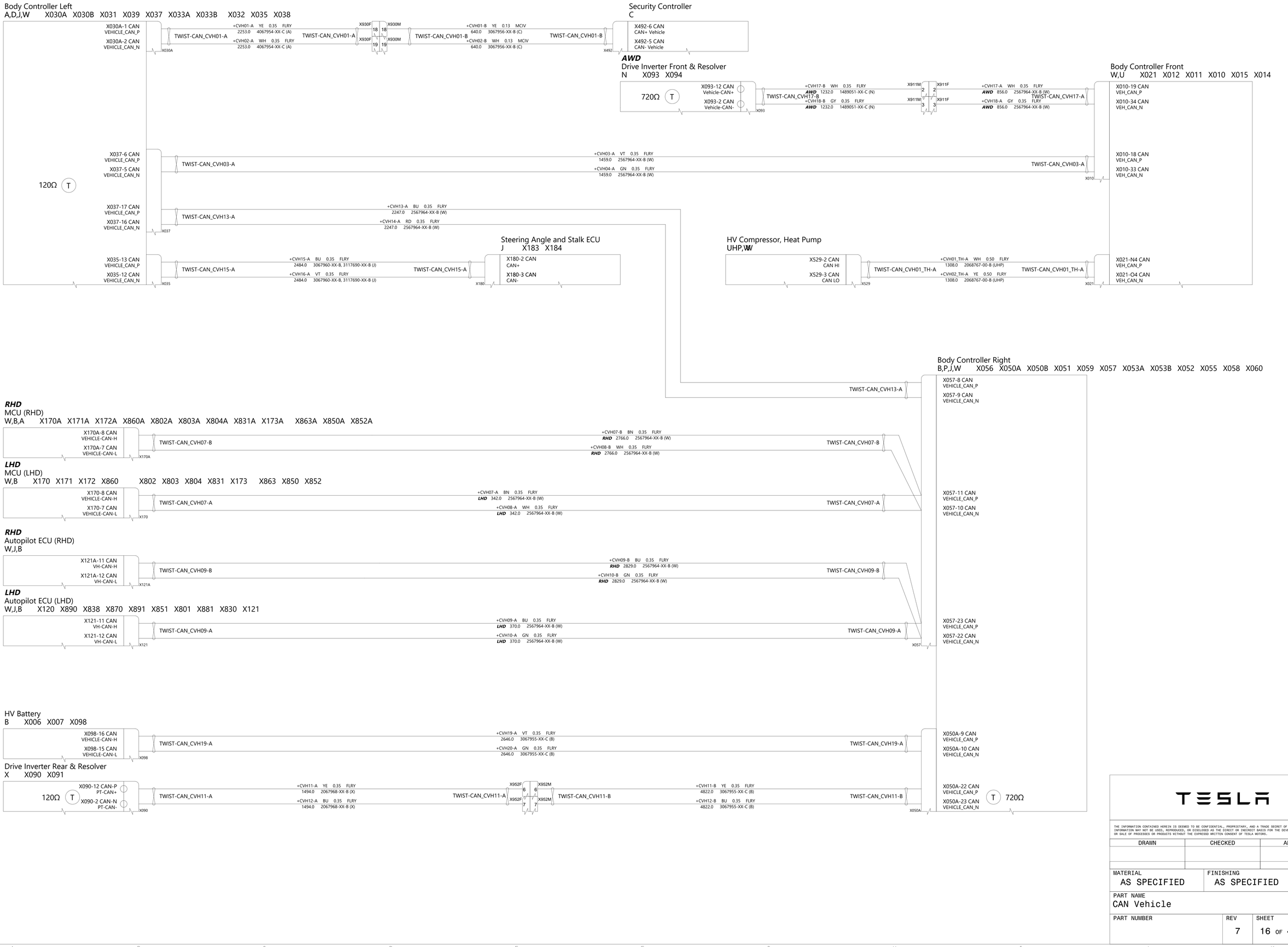
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
CAN Party

PART NUMBER	REV	SHEET	SIZE
	7	15 OF 45	A0



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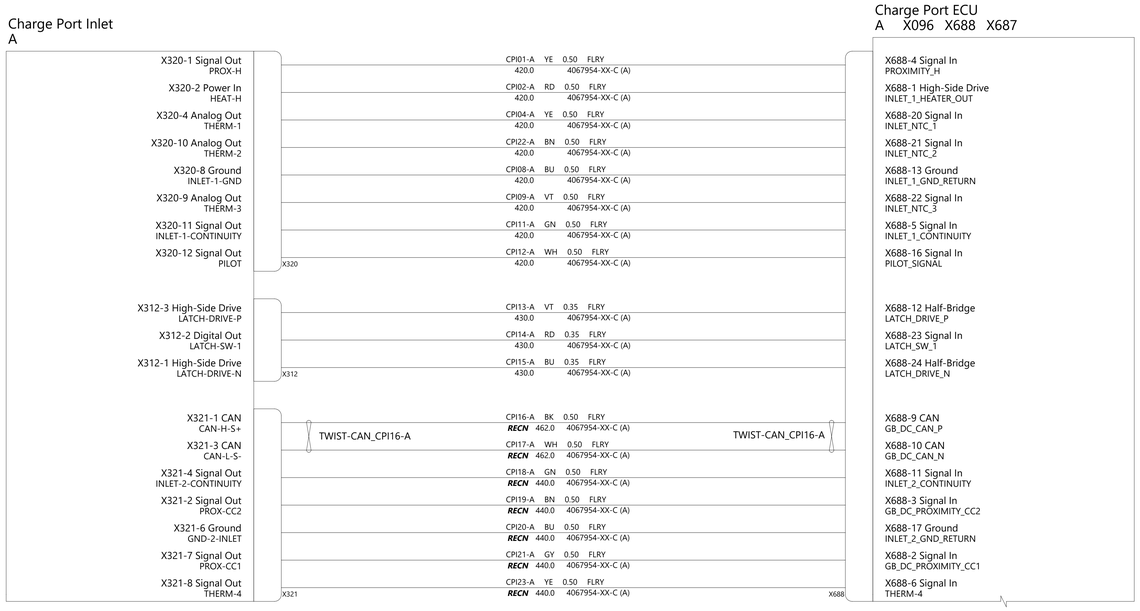
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: CAN Vehicle

PART NUMBER	REV	SHEET	SIZE
	7	16 OF 45	A0



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Charge Port Inlet

PART NUMBER	REV	SHEET	SIZE
	7	17 OF 45	A0

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

X033A-35 Half-Bridge
WINDOW_LIFT_FRONT_UP
X033A-34 Half-Bridge
WINDOW_LIFT_FRONT_DOWN
X033A-24 Ground
WINDOW_LIFT_FRONT_ENCODER_GROUND_RETURN
X033A-1 Signal In
WINDOW_LIFT_FRONT_ENCODER_A
X033A-14 Signal In
WINDOW_LIFT_FRONT_ENCODER_B

TWIST_DCL01-A
TWIST_DCL12-A

DCL01-A RD 1.50 FLRY
2201.0 3067957-XX-B (D)
DCL02-A TN 1.50 FLRY
2201.0 3067957-XX-B (D)
DCL12-A BK 0.35 FLRY
2096.0 3067957-XX-B (D)
DCL13-A GN 0.35 FLRY
2096.0 3067957-XX-B (D)
DCL14-A BU 0.35 FLRY
2096.0 3067957-XX-B (D)

TWIST_DCL01-A
TWIST_DCL12-A

Window Lift Motor Front Left
D

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

X033A-13 High-Side Drive
DOOR_FRONT_LATCH_OPEN_PUDDLE_LED
X033A-17 Signal In
DOOR_FRONT_LATCH_ENDSTOP_SWITCH
X033B-6 Half-Bridge
DOOR_FRONT_LATCH_RELEASE
X033B-3 Half-Bridge
DOOR_FRONT_LATCH_RESET
X033A
X033B

TWIST_DCL23-A

DCL21-A VT 0.35 FLRY
1735.0 3067957-XX-B (D)
DCL22-A BN 0.35 FLRY
1629.0 3067957-XX-B (D)
DCL23-A WH 0.50 FLRY
1711.0 3067957-XX-B (D)
DCL24-A GY 0.50 FLRY
1711.0 3067957-XX-B (D)

Puddle LED Front Left
D

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

DCL25-A YE 0.35 FLRY
1501.0 3067957-XX-B (D)

TWIST_DCL23-A

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

DCL80-D BK 0.35 FLRY
720.0 3067957-XX-B (D)

X033A-22 Signal In
WINDOW_SWITCHPACK_FL
X033A-19 Signal In
WINDOW_SWITCHPACK_RR
X033A-20 Signal In
WINDOW_SWITCHPACK_RL
X033A-21 Signal In
WINDOW_SWITCHPACK_FR
X033A-11 High-Side Drive
DOOR_FRONT_WINDOW_SWITCH_LED

DCL31-A GN 0.13 MCIV
LHD 1891.0 3067957-XX-B (D)
DCL32-A VT 0.13 MCIV
LHD 1883.0 3067957-XX-B (D)
DCL33-A BN 0.13 MCIV
LHD 1883.0 3067957-XX-B (D)
DCL34-A YE 0.13 MCIV
LHD 1883.0 3067957-XX-B (D)
DCL35-A GY 0.13 MCIV
LHD 1883.0 3067957-XX-B (D)

DCL31-B GN 0.13 MCIV
RHD 1883.0 3067957-XX-B (D)
DCL35-B GY 0.13 MCIV
RHD 1891.0 3067957-XX-B (D)

LHD
Window Switch Driver Front Left
D

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

DCL80-B BK 0.35 FLRY
LHD 720.0 3067957-XX-B (D)

RHD
Window Switch Pass Front Left
D

X369-2 Analog Out
Switch
X369-1 Power In
LED
X369-3 Ground Return
Ground
X369

DCL80-G BK 0.35 FLRY
RHD 888.0 3067957-XX-B (D)

X033A-4 Signal In
DOOR_FRONT_INTERIOR_HANDLE_SWITCH
X033A-12 High-Side Drive
DOOR_FRONT_INTERIOR_HANDLE_SWITCH_LED

DCL41-A WH 0.13 MCIV
2217.0 3067957-XX-B (D)
DCL42-A YE 0.13 MCIV
2217.0 3067957-XX-B (D)

Interior Open Switch Front Left
D

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

DCL80-A BK 0.35 FLRY
589.0 3067957-XX-B (D)

X033A-6 Signal In
DOOR_FRONT_EXTERIOR_HANDLE_SENSOR
X033A-5 High-Side Drive
DOOR_FRONT_EXTERIOR_HANDLE_SENSOR_5V

DCL43-A BU 0.35 FLRY
1835.0 3067957-XX-B (D)
DCL44-A TN 0.35 FLRY
1835.0 3067957-XX-B (D)

Exterior Open Switch Front Left
D

X367-2 Signal Out
Signal
X367-4 Power In
Sensor Power
X367-1 Ground
GND
X367

DCL80-E BK 0.35 FLRY
554.0 3067957-XX-B (D)

DCL80-C BK 0.50 FLRY
PMIRR 720.0 3067957-XX-B (D)

X033A-8 Half-Bridge
MIRROR_TILT_UP_DOWN
X033A-9 Half-Bridge
MIRROR_TILT_COMMON
X033A-7 Half-Bridge
MIRROR_TILT_LEFT_RIGHT
X033A

DCL51-A VT 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL52-A YE 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL53-A WH 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)

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

Z1-DCL80

X033B-1 High-Side Drive
MIRROR_HEAT
X033B-2 High-Side Drive
MIRROR_DIM
X033B

DCL55-A RD 0.35 FLRY
PMIRR 1926.0 3067957-XX-B (D)
DCL56-A BN 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)

X376-1 High-Side Drive
Heater (+)
X376-14 High-Side Drive
EC (+)

X033A-10 Half-Bridge
MIRROR_FOLD
X033A-23 Half-Bridge
MIRROR_UNFOLD
X033A-18 High-Side Drive
MIRROR_TILT_POSITION_5V
X033A-3 Signal In
MIRROR_TILT_POSITION_UP_DOWN
X033A-2 Signal In
MIRROR_TILT_POSITION_LEFT_RIGHT

DCL58-A GN 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL59-A BU 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL60-A RD 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL61-A YE 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL62-A GY 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)

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

X033A-33 Ground
SHARED_DOOR_GROUND_RETURN
X033A

DCL80-F BK 1.00 FLRY
1105.0 3067957-XX-B (D)

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Door Front Left

PART NUMBER	REV	SHEET	SIZE
	7	18 OF 45	A0

1/1(A0 TESLA)

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

X053A-34 Half-Bridge
WINDOW_LIFT_FRONT_UP

X053A-35 Half-Bridge
WINDOW_LIFT_FRONT_DOWN

X053A-7 Ground
WINDOW_LIFT_FRONT_ENCODER_GROUND

X053B-6 Signal In
WINDOW_LIFT_FRONT_ENCODER_A

X053B-3 Signal In
WINDOW_LIFT_FRONT_ENCODER_B

X053A

TWIST_DCR01-A

TWIST_DCR12-A

DCR01-A RD 1.50 FLRY
2239.0 3067963-XX-B (P)

DCR02-A TN 1.50 FLRY
2239.0 3067963-XX-B (P)

DCR12-A BK 0.35 FLRY
2239.0 3067963-XX-B (P)

DCR13-A GN 0.35 FLRY
2239.0 3067963-XX-B (P)

DCR14-A WH 0.35 FLRY
2239.0 3067963-XX-B (P)

TWIST_DCR01-A

TWIST_DCR12-A

Window Lift Motor Front Right
P

X403-5 Half-Bridge
MOTOR -

X403-1 Half-Bridge
MOTOR +

X403-3 Ground Return
HALL REFERENCE

X403-2 Hall Sensor Out
HALL A

X403-4 Hall Sensor Out
HALL B

X403

X053B-5 High-Side Drive
DOOR_FRONT_LATCH_OPEN_PUDDLE_LED

X053A-22 Signal In
DOOR_FRONT_LATCH_ENDSTOP_SWITCH

X053B-7 Half-Bridge
DOOR_FRONT_LATCH_RELEASE

X053B-8 Half-Bridge
DOOR_FRONT_LATCH_RESET

X053B

X053A

X053B

TWIST_DCR23-A

DCR21-A VT 0.35 FLRY
1771.0 3067963-XX-B (P)

Puddle LED Front Right
P

X401

X401-1 Power In
Power

X401-2 Analog In
Ground

X401

DCR22-A BN 0.35 FLRY
1665.0 3067963-XX-B (P)

DCR23-A WH 0.50 FLRY
1749.0 3067963-XX-B (P)

DCR24-A GY 0.50 FLRY
1749.0 3067963-XX-B (P)

DCR25-A YE 0.35 FLRY
1501.0 3067963-XX-B (P)

TWIST_DCR23-A

Latch Front Right
P

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

X410

DCR80-D BK 0.35 FLRY
1105.0 3067963-XX-B (P)

X053A-13 Signal In
WINDOW_SWITCHPACK_FL

X053A-26 Signal In
WINDOW_SWITCHPACK_RR

X053A-12 Signal In
WINDOW_SWITCHPACK_RL

X053A-27 Signal In
WINDOW_SWITCHPACK_FR

X053A-18 High-Side Drive
DOOR_FRONT_WINDOW_SWITCH_LED

DCR31-A RD 0.13 MCIV
RHD 1919.0 3067963-XX-B (P)

DCR32-A VT 0.13 MCIV
RHD 1919.0 3067963-XX-B (P)

DCR33-A BN 0.13 MCIV
RHD 1919.0 3067963-XX-B (P)

DCR36-B YE 0.13 MCIV
RHD 1919.0 3067963-XX-B (P)

DCR35-B GY 0.13 MCIV
RHD 1919.0 3067963-XX-B (P)

DCR36-A YE 0.13 MCIV
LHD 1885.0 3067963-XX-B (P)

DCR35-A GY 0.13 MCIV
LHD 1885.0 3067963-XX-B (P)

RHD
Window Switch Driver Front Right
P

X395-1 Signal Out
Front Left Window

X395-4 Signal Out
Rear Right Window

X395-3 Signal Out
Rear Left Window

X395-2 Signal Out
Front Right Window

X395-5 Power In
Illumination

X395-6 Ground
Ground

X395

DCR80-G BK 0.35 FLRY
RHD 554.0 3067963-XX-B (P)

LHD
Window Switch Pass Front Right
P

X399-2 Analog Out
Switch

X399-1 Power In
LED

X399-3 Ground Return
Ground

X399

DCR80-B BK 0.35 FLRY
LHD 710.0 3067963-XX-B (P)

X053A-21 Signal In
DOOR_FRONT_INTERIOR_HANDLE_SWITCH

X053A-19 High-Side Drive
DOOR_FRONT_INTERIOR_HANDLE_SWITCH_LED

DCR41-A GY 0.13 MCIV
2253.0 3067963-XX-B (P)

DCR42-A YE 0.13 MCIV
2253.0 3067963-XX-B (P)

Interior Open Switch Front Right
P

X396-3 Digital Out
Switch

X396-2 PWM In
Illumination

X396-1 Ground Return
Ground

X396

DCR80-E BK 0.35 FLRY
888.0 3067963-XX-B (P)

X053A-24 Signal In
DOOR_FRONT_EXTERIOR_HANDLE_SENSOR

X053A-25 High-Side Drive
DOOR_FRONT_EXTERIOR_HANDLE_SENSOR_5V

DCR43-A BU 0.35 FLRY
1871.0 3067963-XX-B (P)

DCR44-A GN 0.35 FLRY
1871.0 3067963-XX-B (P)

Exterior Open Switch Front Right
P

X397-2 Signal Out
Signal

X397-4 Power In
Sensor Power

X397-1 Ground
GND

X397

DCR80-F BK 0.35 FLRY
1311.0 3067963-XX-B (P)

PMIRR
Mirror Right Premium
P

X053A-15 Half-Bridge
MIRROR_TILT_UP_DOWN

X053A-14 Half-Bridge
MIRROR_TILT_COMMON

X053A-16 Half-Bridge
MIRROR_TILT_LEFT_RIGHT

DCR51-A VT 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

DCR52-A BU 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

DCR53-A WH 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

X406-9 Half-Bridge
Motor Tilt (Up+, Down-)

X406-8 Half-Bridge
Motor Common

X406-3 Half-Bridge
Motor Pan (Left-, Right+)

X406-6 Ground Return
Position 0V

X406

DCR80-C BK 0.50 FLRY
PMIRR 710.0 3067963-XX-B (P)

Z1-DCR80

X053A-2 High-Side Drive
MIRROR_HEAT

DCR55-A RD 0.35 FLRY
PMIRR 1916.0 3067963-XX-B (P)

X406-1 High-Side Drive
Heater (+)

X053A-3 High-Side Drive
MIRROR_DIM

DCR56-A BN 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

X406-14 High-Side Drive
EC (+)

X053A-17 Half-Bridge
MIRROR_FOLD

X053A-1 Half-Bridge
MIRROR_UNFOLD

DCR58-A YE 0.35 FLRY
PMIRR 1916.0 3067963-XX-B (P)

DCR59-A BN 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

X406-2 Half-Bridge
Fold (+), Unfold (-)

X406-10 Half-Bridge
Fold (-), Unfold (+)

X053A-20 High-Side Drive
MIRROR_TILT_POSITION_5V

X053B-1 Signal In
MIRROR_TILT_POSITION_UP_DOWN

X053B-2 Signal In
MIRROR_TILT_POSITION_LEFT_RIGHT

X053A

X053B

DCR60-A VT 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

DCR61-A BU 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

DCR62-A GY 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

X406-4 Vref Input
Position Vref 5V

X406-5 Analog Out
Position Vertical (Tilt)

X406-12 Analog Out
Position Horizontal (Pan)

X406

X053A-28 Ground
SHARED_DOOR_GROUND

X053A

DCR80-A BK 1.00 FLRY
1375.0 3067963-XX-B (P)

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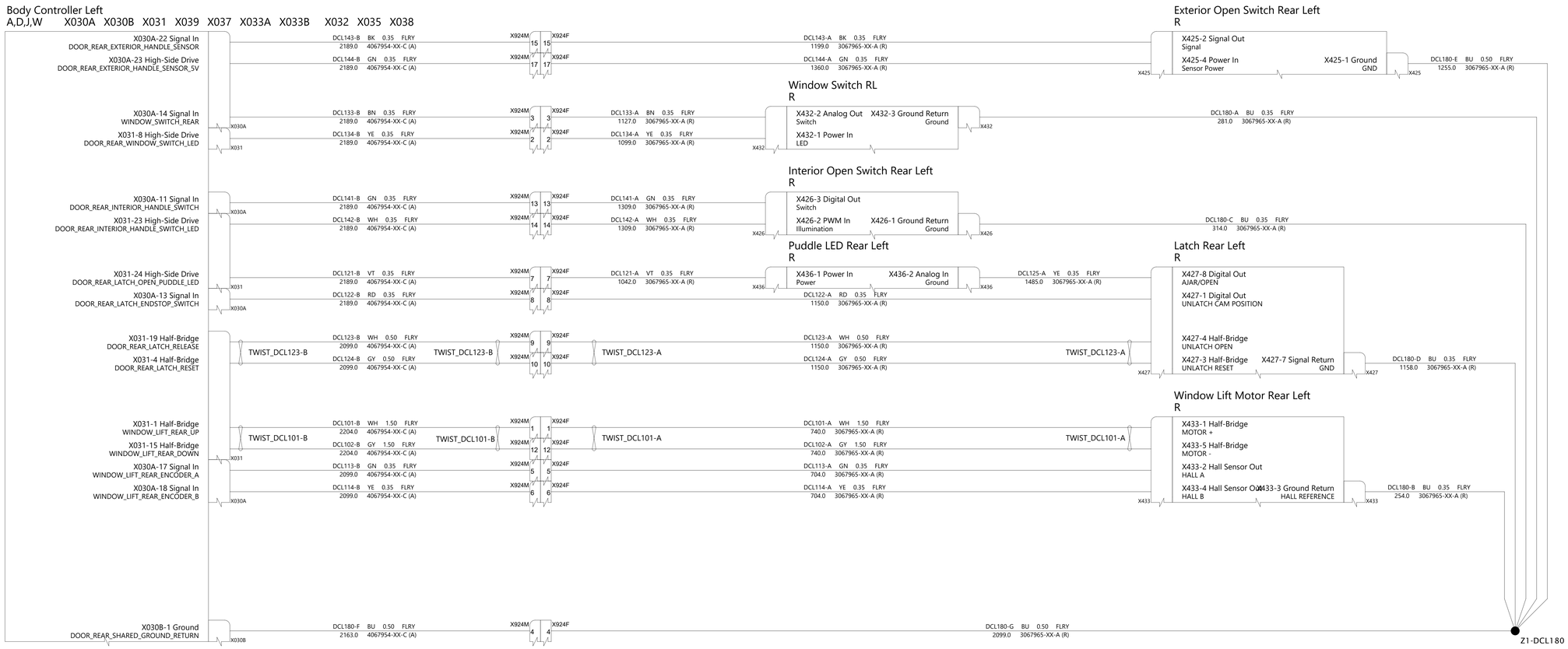
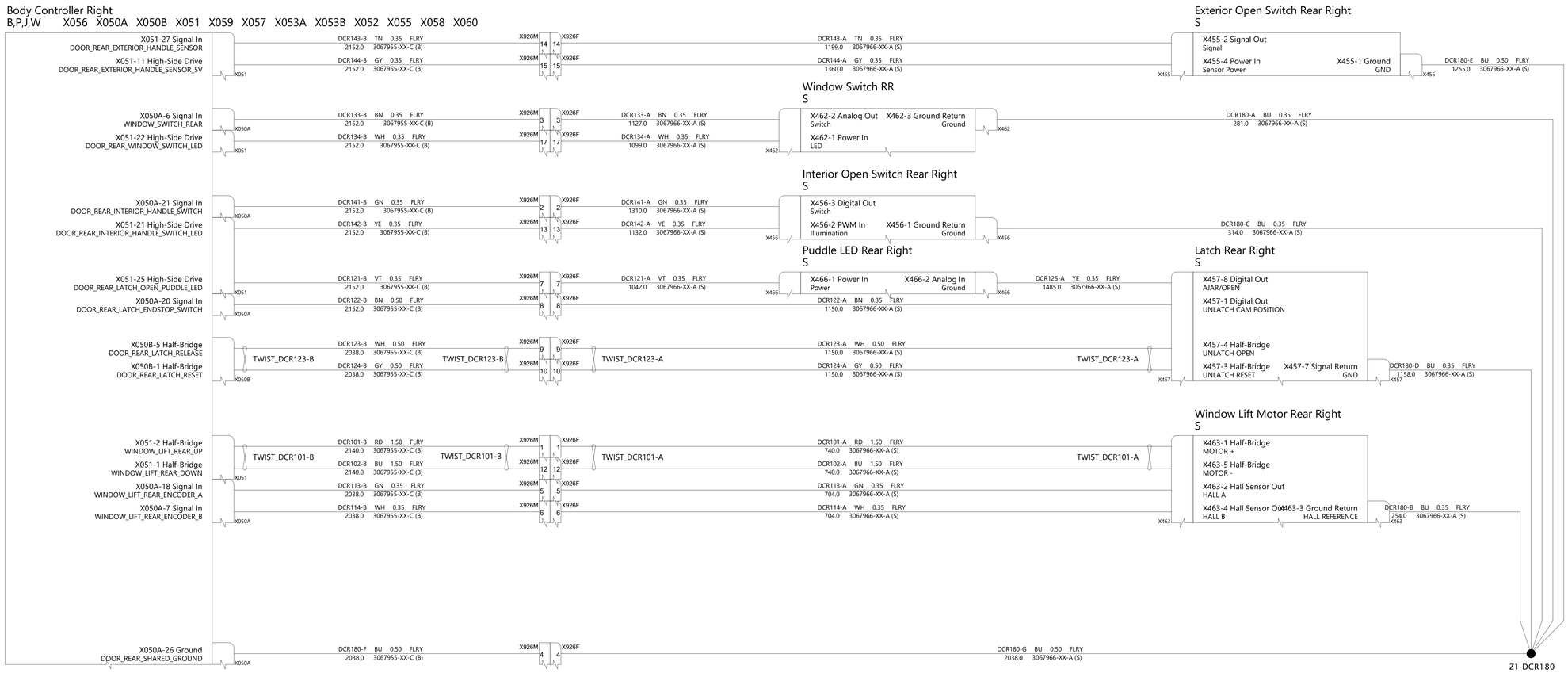
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Door Front Right

PART NUMBER	REV	SHEET	SIZE
	7	19 OF 45	A0





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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Doors Rear

PART NUMBER	REV	SHEET	SIZE
	7	20 OF 45	A0

AWD
Drive Inverter Front & Resolver
N X093 X094

X093-10 LIN — Oil Pump Status
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

TWIST_RES51-A
TWIST_RES53-A
TWIST_RES55-A

+DRV21-A RD 0.13 MCIV
AWD 1780.0 1489051-XX-C (N)

+RES51-A YE 0.13 MCIV
AWD 1889.0 1489051-XX-C (N)
+RES52-A BU 0.13 MCIV
AWD 1889.0 1489051-XX-C (N)
+RES53-A GN 0.13 MCIV
AWD 1889.0 1489051-XX-C (N)
+RES54-A RD 0.13 MCIV
AWD 1889.0 1489051-XX-C (N)
+RES55-A VT 0.13 MCIV
AWD 1889.0 1489051-XX-C (N)
+RES56-A BN 0.13 MCIV
AWD 1889.0 1489051-XX-C (N)

AWD
Drive Unit Oil Pump Front
N

X095
X095-2 LIN — Oil Pump Status

AWD
Drive Inverter Front & Resolver
N X093 X094

TWIST_RES51-A
TWIST_RES53-A
TWIST_RES55-A

X094
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 -

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

X031-25 Signal In — BRAKE_SWITCH_NORMALLY_OPEN
X031

+BRK02-A TN 0.35 FLRY
LHD 647.0 4067954-XX-C (A)

+BRK02-B TN 0.35 FLRY
RHD 2707.0 4067954-XX-C (A)

X936F 3 — 3 X936M

+BRK02-C TN 0.35 FLRY
RHD 1208.0 3067955-XX-C (B)

LHD
Brake Pedal Switch (LHD)
A

X168
X168-2 Analog Out — NO Out
X168-1 Power In — NO In
X168

+G193-A BK 0.35 FLRY
LHD 2480.0 4067954-XX-C (A)

RHD
Brake Pedal Switch (RHD)
B

X168A
X168A-2 Analog Out — NO Out
X168A-1 Power In — NO In
X168A

+G193_R-A BK 0.35 FLRY
RHD 2050.0 3067955-XX-C (B)

Drive Inverter Rear & Resolver
X X090 X091

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 0.35 FLRY
LHD || RHD 1173.0 2067968-XX-B (X)
+DRV02-A GY 0.35 FLRY
LHD || RHD 1173.0 2067968-XX-B (X)
+DRV03-A YE 0.35 FLRY
LHD || RHD 1173.0 2067968-XX-B (X)
+DRV04-A BN 0.35 FLRY
LHD || RHD 1173.0 2067968-XX-B (X)
+DRV05-A GN 0.35 FLRY
LHD || RHD 1173.0 2067968-XX-B (X)
+DRV06-A VT 0.35 FLRY
LHD || RHD 1173.0 2067968-XX-B (X)

X950F 1–16 — X950M

+DRV01-B RD 0.35 FLRY
LHD 5346.0 4067954-XX-C (A)
+DRV02-B GY 0.35 FLRY
LHD 5346.0 4067954-XX-C (A)
+DRV03-B YE 0.35 FLRY
LHD 5346.0 4067954-XX-C (A)
+DRV04-B BN 0.35 FLRY
LHD 5346.0 4067954-XX-C (A)
+DRV05-B GN 0.35 FLRY
LHD 5346.0 4067954-XX-C (A)
+DRV06-B VT 0.35 FLRY
LHD 5346.0 4067954-XX-C (A)

LHD
Accel Pedal Sensor (LHD)
A

X167
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

X090-3 Power In — Switched +12V
X090-22 Power In — Unswitched +12V
X090-13 Ground-Chassis — GND
X090-23 Analog In — HVIL in
X090-4 Analog Out — HVIL out
X090-12 CAN-P — PT-CAN+
X090-2 CAN-N — PT-CAN-
X090-30 CAN-P — PRTY-CAN+
X090-20 CAN-N — PRTY-CAN-

+DRV62-A GN 0.35 FLRY
1173.0 2067968-XX-B (X)
+DRV61-A VT 0.35 FLRY
4611.0 2067968-XX-B (X)
G606-B BK 0.35 FLRY
1415.0 2067968-XX-B (X)
+HVL01-B RD 0.35 FLRY
1422.0 2067968-XX-B (X)
+HVL02-A WH 0.35 FLRY
1422.0 2067968-XX-B (X)

TWIST_CAN_CVH11-A
+CVH11-A YE 0.35 FLRY
1494.0 2067968-XX-B (X)
+CVH12-A BU 0.35 FLRY
1494.0 2067968-XX-B (X)

TWIST_CAN_CPT17-B
+CPT17-B WH 0.35 FLRY
1232.0 2067968-XX-B (X)
+CPT18-B GN 0.35 FLRY
1232.0 2067968-XX-B (X)

X936F 2–21 — X936M

+DRV01-D RD 0.35 FLRY
RHD 4728.0 4067954-XX-C (A)
+DRV02-D GY 0.35 FLRY
RHD 4728.0 4067954-XX-C (A)
+DRV03-D YE 0.35 FLRY
RHD 4728.0 4067954-XX-C (A)
+DRV04-D BN 0.35 FLRY
RHD 4728.0 4067954-XX-C (A)
+DRV05-D GN 0.35 FLRY
RHD 4728.0 4067954-XX-C (A)
+DRV06-D VT 0.35 FLRY
RHD 4728.0 4067954-XX-C (A)

+DRV01-C RD 0.35 FLRY
RHD 1763.0 3067955-XX-C (B)
+DRV02-C GY 0.35 FLRY
RHD 1763.0 3067955-XX-C (B)
+DRV03-C YE 0.35 FLRY
RHD 1763.0 3067955-XX-C (B)
+DRV04-C BN 0.35 FLRY
RHD 1763.0 3067955-XX-C (B)
+DRV05-C GN 0.35 FLRY
RHD 1763.0 3067955-XX-C (B)
+DRV06-C VT 0.35 FLRY
RHD 1763.0 3067955-XX-C (B)

RHD
Accel Pedal Sensor (RHD)
B

X167A
X167A-6 Power In — Accel_Ref1
X167A-5 Analog Out — Accel_Sig1
X167A-4 Ground Return — Accel_Rtn1
X167A-1 Power In — Accel_Ref2
X167A-2 Analog Out — Accel_Sig2
X167A-3 Ground Return — Accel_Rtn2

Drive Unit Oil Pump Rear
X

X092
X092-2 LIN — Oil Pump Status

Drive Inverter Rear & Resolver
X X090 X091

X090-10 LIN — Oil Pump Status
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

TWIST_RES01-A
TWIST_RES03-A
TWIST_RES05-A

+DRV11-A YE 0.35 FLRY
1605.0 2067968-XX-B (X)

+RES01-A YE 0.35 FLRY
1535.0 2067968-XX-B (X)
+RES02-A BK 0.35 FLRY
1535.0 2067968-XX-B (X)
+RES03-A GN 0.35 FLRY
1535.0 2067968-XX-B (X)
+RES04-A RD 0.35 FLRY
1535.0 2067968-XX-B (X)
+RES05-A VT 0.35 FLRY
1535.0 2067968-XX-B (X)
+RES06-A BU 0.35 FLRY
1535.0 2067968-XX-B (X)

TWIST_RES01-A
TWIST_RES03-A
TWIST_RES05-A

X091
X091-3 Analog In — Resolver Excitation+
X091-8 Analog In — Resolver Excitation-
X091-4 Analog Out — Resolver Sine+
X091-9 Analog Out — Resolver Sine-
X091-5 Analog Out — Resolver Cosine+
X091-10 Analog Out — Resolver Cosine -

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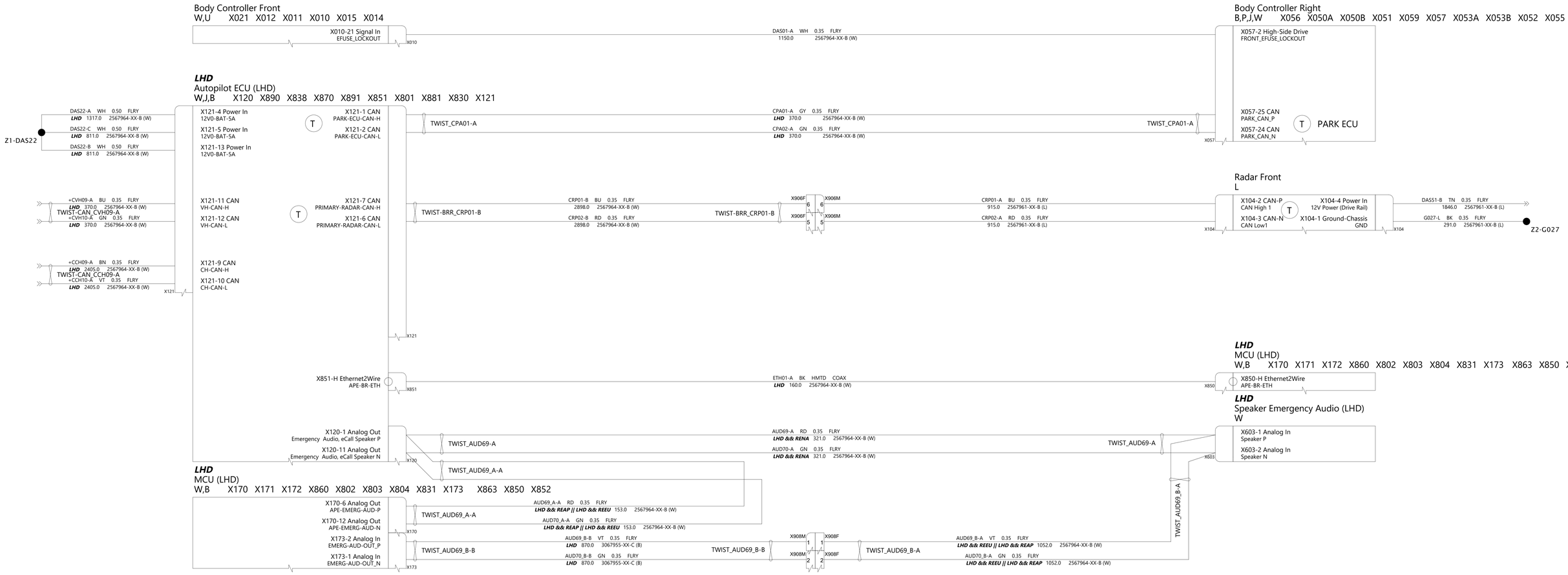
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Drive Inverters

PART NUMBER	REV	SHEET	SIZE
	7	21 OF 45	A0



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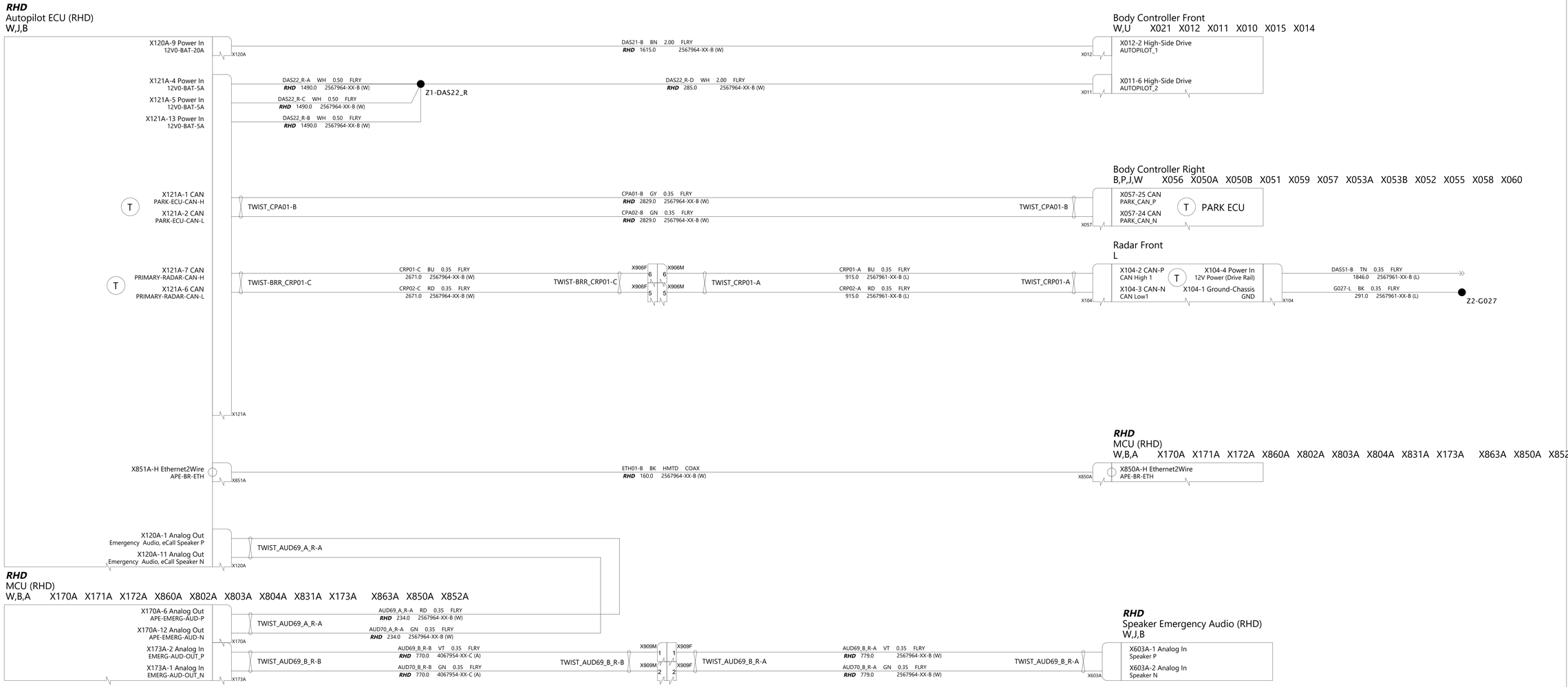
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Driver Assistance

PART NUMBER	REV	SHEET	SIZE
	7	22 OF 45	A0



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Driver Assistance, RHD

PART NUMBER	REV	SHEET	SIZE
	7	23 OF 45	A0

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

X037-28 High-Side Drive
RESTRAINT_CONTROL_MODULE
X037
+SRI96_A-A VT 0.35 FLRY
2148.0 2567964-XX-B (W)

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

X059-30 Pass-through
RESTRAINT_CONTROL_MODULE_PASSTHROUGH_1
X059
+SRI96_A-B VT 0.35 FLRY
7162.0 3067955-XX-C (B)
Rear First Responder Loop
X908M 10 10 X908F
+SRI96_A-A VT 0.35 FLRY
2148.0 2567964-XX-B (W)

X057-1 High-Side Drive
RESTRAINT_CONTROL_MODULE
X057
+SRI97_A-A RD 0.35 FLRY
100.0 2567964-XX-B (W)

X059-14 Pass-through
RESTRAINT_CONTROL_MODULE_PASSTHROUGH_2
X059
+SRI97_A-B RD 0.35 FLRY
7162.0 3067955-XX-C (B)
Rear First Responder Loop
X908M 15 15 X908F
+BMS02_A-A TN 1.00 FLRY
2033.0 2567964-XX-B (W)

X057-14 High-Side Drive
HV_CONTACTORS
X057
Rear First Responder Loop
X908M 12 12 X908F
+BMS02_B-A TN 1.00 FLRY
2451.0 2567964-XX-B (W)

Frunk First Responder Loop

HV Contactor Disconnect
W
X918F-1
HV Disconnect
X918F
X918M-1
HV Disconnect
X918M

X055-33 Pass-through
RESTRAINT_CONTROL_MODULE_PASSTHROUGH_2
+SRI97_B-A VT 0.35 FLRY
2678.0 3067960-XX-B, 3117690-XX-B (J)

X055-32 Pass-through
RESTRAINT_CONTROL_MODULE_PASSTHROUGH_1
X055
+SRI96_B-A RD 0.35 FLRY
2678.0 3067960-XX-B, 3117690-XX-B (J)

Restraints Controller
A,J X201 X200

X200-27 Power In
PWR2
X200-40 Power In
PWR1
X200

HV Battery
B X006 X007 X098

X098-18 Power In
VEH-12V-CONTACTOR-POWER
+BMS02_B-B TN 1.00 FLRY
5179.0 3067955-XX-C (B)

X098-13 Digital In
RCM-ENS-IN
+ENS20-A WH 0.35 FLRY
1139.0 3067955-XX-C (B)
X936M 25 25 X936F
+ENS20-B WH 0.35 FLRY
1051.0 4067954-XX-C (A)
X201-56 Signal Out
ENS1
X201

X098-1 Analog Out
VEH-HVIL-OUT
+HVIL01-A RD 0.35 FLRY
2575.0 3067955-XX-C (B)

X098-3 Analog In
VEH-HVIL-IN
+HVIL04-A TN 0.35 FLRY
2226.0 3067955-XX-C (B)

Drive Inverter Rear & Resolver
X X090 X091

X952M 8 8 X952F
+HVIL01-B RD 0.35 FLRY
1422.0 2067968-XX-B (X)
X952M 9 9 X952F
+HVIL02-A WH 0.35 FLRY
1422.0 2067968-XX-B (X)
X090-23 Analog In
HVIL in
X090-4 Analog Out
HVIL out
X090

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

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

X098-12 Digital In
PCS Lockout
+PCS02-A GN 0.35 FLRY
2530.0 3067955-XX-C (B)
X051-42 Special
STANDBY_POWER_PCS_LOCKOUT
X057-7 Special
STANDBY_POWER_PCS_LOCKOUT_SWITCHED
X051
X057
+PCS01-A GN 0.35 FLRY
1309.0 2567964-XX-B (W)
X010-65 Signal Out
FRONT_TO_PCS_ENABLE
X010

X908M 19 19 X908F
X908M 18 18 X908F
+HVIL02-C WH 0.35 FLRY
4298.0 3067955-XX-C (B)
+HVIL04-C TN 0.35 FLRY
AWD 2141.0 2567964-XX-B (W)

HV Heat Pump Jumper

HV Compressor HVIL Shunt
HV Heat Pump Jumper
+HVIL02-B WH 0.35 FLRY
2373.0 2567964-XX-B (W)
X541 1 1 X541F
+HVIL02-D BK 0.50 FLRY
0.0 HV Jumper
X540-1 Analog In
HVIL +
X540-2 Ground
HVIL -
X540

PTC HVIL Shunt
HV Heat Pump Jumper
+HVIL07-A BK 0.50 FLRY
0.0 HV Jumper
X539-1 Analog In
HVIL +
X539-2 Analog Out
HVIL -
X539

HV Compressor, Heat Pump
UHP, W
+HVIL08-A BK 0.50 FLRY
0.0 HV Jumper
X538-3 Analog In
HVIL
X538-4 Analog Out
HVIL
+HVIL03-C BK 0.50 FLRY
0.0 HV Jumper
X538
+HVIL06-A TN 0.35 FLRY
RWD 2373.0 2567964-XX-B (W)
X541 2 2 X541F
+HVIL03-A BN 0.35 FLRY
AWD 513.0 2567964-XX-B (W)

AWD
Drive Inverter Front & Resolver
N X093 X094

X911F 6 6 X911M
+HVIL03-B BN 0.35 FLRY
AWD 1232.0 1489051-XX-C (N)
X911F 7 7 X911M
+HVIL04-B TN 0.35 FLRY
AWD 1232.0 1489051-XX-C (N)
X093-23 Analog In
HVIL in
X093-4 Analog Out
HVIL out
X093

X098-15 CAN
VEHICLE-CAN-L
+CVH20-A GN 0.35 FLRY
2646.0 3067955-XX-C (B)
TWIST-CAN_CVH19-A

X098-16 CAN
VEHICLE-CAN-H
+CVH19-A VT 0.35 FLRY
2646.0 3067955-XX-C (B)

X098-7 CAN-P
CP-CAN-H
+CCP01-B GN 0.13 MCIV
1210.0 3067955-XX-C (B)
TWIST_CCP01-B
X935M 1 1 X935F
TWIST_CCP01-B
+CCP01-A GN 0.13 MCIV
4172.0 4067954-XX-C (A)
TWIST_CCP01-A

X098-6 CAN-N
CP-CAN-L
+CCP02-B BK 0.13 MCIV
1210.0 3067955-XX-C (B)
X935M 2 2 X935F
+CCP02-A BK 0.13 MCIV
4172.0 4067954-XX-C (A)
TWIST_CCP01-A

X098-11 Digital Out
CP-LATCH-EN
+CCP03-A TN 0.13 MCIV
1139.0 3067955-XX-C (B)
X936M 13 13 X936F
+CCP03-B TN 0.13 MCIV
3961.0 4067954-XX-C (A)

X098-10 Digital In
CP-FAULT
+CCP04-B YE 0.13 MCIV
1139.0 3067955-XX-C (B)
X936M 17 17 X936F
+CCP04-A YE 0.13 MCIV
3961.0 4067954-XX-C (A)
X098

Charge Port ECU
A X096 X688 X687

X096-8 CAN
CP_CAN_P
X096-7 CAN
CP_CAN_N
X096-5 Signal In
CP_LATCH_EN
X096-6 Signal Out
HVC_CP_nFAULT
X096

Charge Port Door
Z

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

X691-1 Power In
Door Drive 2
X691-2 Power In
Door Drive 1
X691-3 Vref Input
5V
X691-4 Analog Out
Door Sense
X691-5 Ground Return
GND
X691

CPD02-A BN 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-2 High-Side Drive
LDC_POWER
CPD10-A WH 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-12 Special
UHF_ANTENNA
CPD06-A GY 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-14 Signal In
LDC_INTERRUPT
CPD03-A OG 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-3 Ground
TRIM_GND_RETURN
CPD05-A VT 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-13 Signal Out
LDC_SHUTDOWN
CPD07-A RD 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-6 High-Side Drive
LED_RED
CPD04-A YL 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-4 Special
LDC_SCL
CPD08-A GN 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-7 High-Side Drive
LED_GREEN
CPD01-A BK 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-1 Special
LDC_SDA
CPD09-A BU 0.13 MCIV
332.0 1099953-XX-F (CP Door)
X687-8 High-Side Drive
LED_BLUE
CPD11-A RD 0.35 FLRY
323.0 1099953-XX-F (CP Door)
X687-16 Half-Bridge
DOOR_DRIVE_N
CPD13-A VT 0.35 FLRY
323.0 1099953-XX-F (CP Door)
X687-15 Half-Bridge
DOOR_DRIVE_P
CPD14-A OG 0.35 FLRY
323.0 1099953-XX-F (CP Door)
X687-11 High-Side Drive
DOOR_POSITION_POWER
CPD15-A GN 0.35 FLRY
323.0 1099953-XX-F (CP Door)
X687-5 Signal In
DOOR_POSITION
CPD12-A BK 0.35 FLRY
323.0 1099953-XX-F (CP Door)
X687-10 Ground
DOOR_POSITION_GND_RETURN
X687

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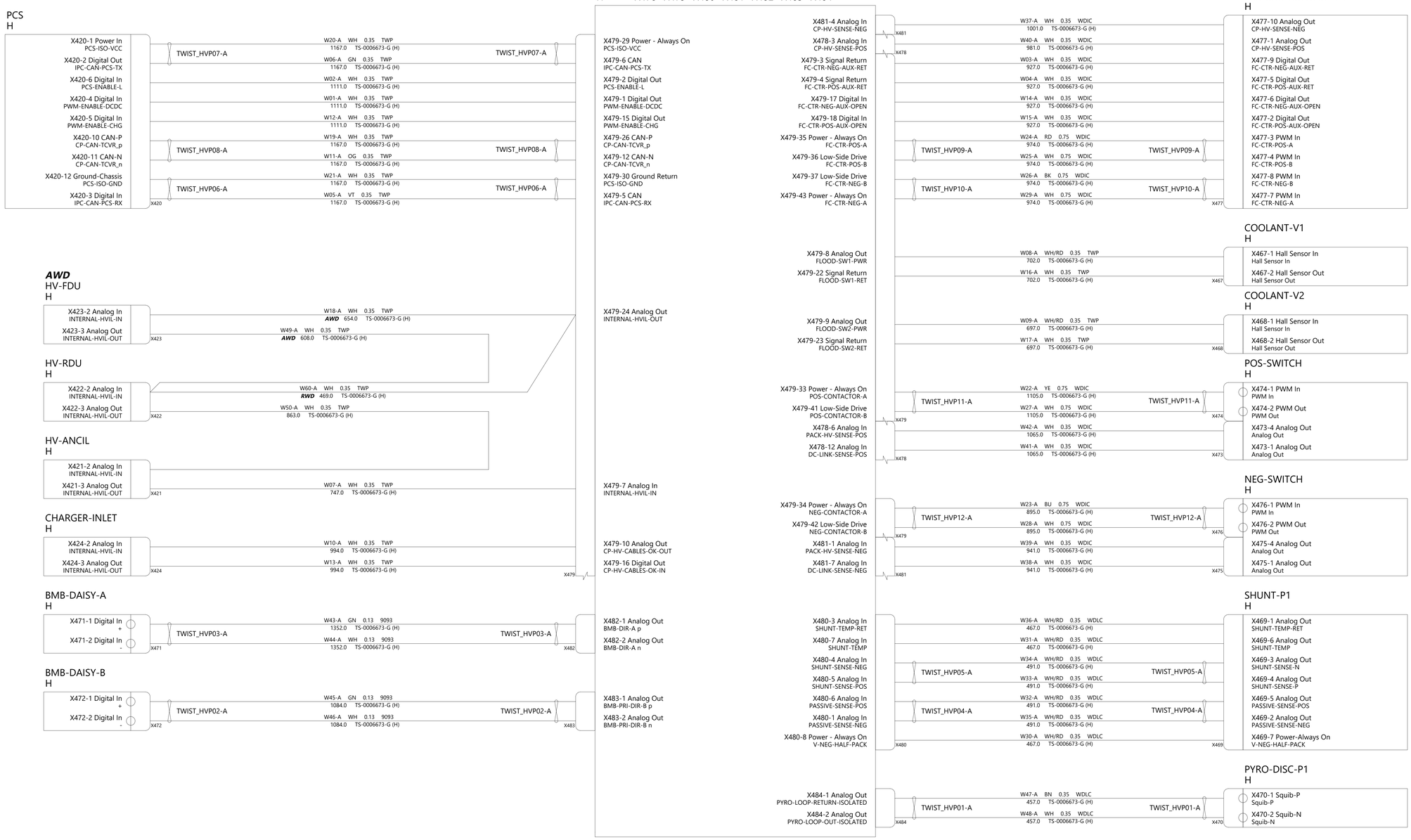
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HV Battery and HVIL

PART NUMBER	REV	SHEET	SIZE
	7	24 OF 45	A0



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HV Penthouse

PART NUMBER	REV	SHEET	SIZE
	7	25 OF 46	A0

Body Controller Right

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

X058-19 High-Side Drive
HVAC_SHARED_5V

X058-8 Half-Bridge
HVAC_RIGHT_BLEED_CW

X058-5 Signal In
HVAC_RIGHT_BLEED_DUCT_POSITION

X058-9 Half-Bridge
HVAC_RIGHT_BLEED_CCW

X058-23 Half-Bridge
HVAC_LOWER_MODE_CW

X058-2 Signal In
HVAC_LOWER_MODE_DUCT_POSITION

X058-24 Half-Bridge
HVAC_LOWER_MODE_CCW

X058-27 Half-Bridge
HVAC_INTAKE_CW

X058-4 Signal In
HVAC_INTAKE_DUCT_POSITION

X058-28 Half-Bridge
HVAC_INTAKE_CCW

X058-10 Half-Bridge
HVAC_LEFT_BLEED_CW

X058-6 Signal In
HVAC_LEFT_BLEED_DUCT_POSITION

X058-11 Half-Bridge
HVAC_LEFT_BLEED_CCW

X058-25 Half-Bridge
HVAC_UPPER_MODE_CW

X058-3 Signal In
HVAC_UPPER_DUCT_POSITION

X058-26 Half-Bridge
HVAC_UPPER_MODE_CCW

X058-7 Signal In
HVAC_RIGHT_LOWER_DUCT_TEMP

X058-1 Signal In
HVAC_LEFT_LOWER_DUCT_TEMP

X058-17 Signal In
HVAC_EVAPORATOR_TEMP

X058-20 Ground
HVAC_SHARED_GROUND

X058

HVC005V-F RD 0.35 FLRY
993.0 HVAC Case

HVC017-A YE/BN 0.35 FLRY
1236.0 HVAC Case

HVC019-A WH 0.35 FLRY
1236.0 HVAC Case

HVC018-A YE 0.35 FLRY
1236.0 HVAC Case

HVCGND-B BU 0.35 FLRY
110.0 HVAC Case

HVC004-A GN 0.35 FLRY
1693.0 HVAC Case

HVC006-A RD/GY 0.35 FLRY
1693.0 HVAC Case

HVC005-A GY 0.35 FLRY
1693.0 HVAC Case

HVCGND-H BU 0.35 FLRY
987.0 HVAC Case

HVC001-A OG/YE 0.35 FLRY
1198.0 HVAC Case

HVC003-A GY/BK 0.35 FLRY
1198.0 HVAC Case

HVC002-A OG/WH 0.35 FLRY
1198.0 HVAC Case

HVCGND-C BU 0.35 FLRY
492.0 HVAC Case

HVC010-A YE/BU 0.35 FLRY
1486.0 HVAC Case

HVC012-A RD/WH 0.35 FLRY
1486.0 HVAC Case

HVC011-A BK 0.35 FLRY
1486.0 HVAC Case

HVCGND-A BU 0.35 FLRY
360.0 HVAC Case

HVC007-A GN/OG 0.35 FLRY
1438.0 HVAC Case

HVC009-A VT 0.35 FLRY
1438.0 HVAC Case

HVC008-A BU/GY 0.35 FLRY
1438.0 HVAC Case

HVCGND-E BU 0.35 FLRY
525.0 HVAC Case

HVC021-A BN/BU 0.35 FLRY
525.0 HVAC CASE

HVCGND-J BU 0.35 FLRY
525.0 HVAC CASE

HVC020-A OG/BU 0.35 FLRY
525.0 HVAC CASE

HVCGND-K BU 0.35 FLRY
525.0 HVAC CASE

HVC517-A GY/WH 0.35 FLRY
1736.0 HVAC Case

HVCGND-I BU 0.35 FLRY
1126.0 HVAC Case

HVCGND-G BU 0.35 FLRY
610.0 HVAC Case

Z2-HVCGND

Z1-HVC005V

HVC005V-B RD 0.35 FLRY
397.0 HVAC Case

HVC005V-D RD 0.35 FLRY
700.0 HVAC Case

HVC005V-A RD 0.35 FLRY
205.0 HVAC Case

HVC005V-E RD 0.35 FLRY
647.0 HVAC Case

HVC005V-C RD 0.35 FLRY
445.0 HVAC Case

TWIST_HVC021-A

TWIST_HVC020-A

TWIST_HVC517-A

HVAC Case

HVAC_CASE X547 X548 X549 X550 X551 X552 X553 X554 X555 X556

X552

- X552-6 Ground Return — Vref Return Actuator (GND)
- X552-7 Analog In — CCW Input
- X552-5 Analog Out — Potentiometer Feedback
- X552-3 Analog In — CW Input
- X552-4 Power In — Vref Potentiometer (+5V)

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

- X555-6 Ground Return — Vref Return Actuator (GND)
- X555-7 Analog In — CCW Input
- X555-5 Analog Out — Potentiometer Feedback
- X555-3 Analog In — CW Input
- X555-4 Power In — Vref Potentiometer (+5V)

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)

X549

- X549-2 Ground Return — Vref Return (GND)
- X549-1 Analog Out — Signal

X548

- X548-2 Ground Return — Vref Return (GND)
- X548-1 Analog Out — Signal

X551

- X551-2 Ground Return — Vref Return (GND)
- X551-1 Analog Out — Signal

Body Controller Left

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

X038-1 Half-Bridge
HVAC_BLOWER_MOTOR_PHASE_A

X038-2 Half-Bridge
HVAC_BLOWER_MOTOR_PHASE_B

X038-4 Half-Bridge
HVAC_BLOWER_MOTOR_PHASE_C

X038-3 Ground
HVAC_BLOWER_MOTOR_GROUND_SHIELD

X038

SH_THC01-A

TWIST_THC01-A

SHIELD908

THC01-A RD 5.00 FLRB
1088.0 3067960-XX-B, 3117690-XX-B (J)

THC02-A BK 5.00 FLRB
1088.0 3067960-XX-B, 3117690-XX-B (J)

THC03-A WH 5.00 FLRB
1088.0 3067960-XX-B, 3117690-XX-B (J)

SH_THC01-A

TWIST_THC01-A

Blower Motor

J

X536

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

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HVAC Case Subassembly

PART NUMBER	REV	SHEET	SIZE
	7	26 OF 45	A0

1/1(A0 TESLA)

Coolant Temp Sensor - Battery
UHP

X517-1 Analog Out — Sensor In
X517-2 Ground — GND
X517

TH033-A VT 0.50 FLRY 928.0 2068767-00-B (UHP)
TH034-A WH 0.50 FLRY 928.0 2068767-00-B (UHP)

Coolant Temp Sensor - Powertrain
UHP

X518-1 Analog Out — Sensor In
X518-2 Ground — GND
X518

TH035-A YE 0.50 FLRY 466.0 2068767-00-B (UHP)
TH036-A RD 0.50 FLRY 466.0 2068767-00-B (UHP)

Battery Coolant Pump
UHP

X508-1 Motor Phase 1
X508-2 Motor Phase 2
X508-3 Motor Phase 3
X508-4 Ground — GND
X508a

SH_TH011-A
TWIST_TH011-A
SHIELD914
Z1-TH014
TH014-A GY 0.50 FLRY 150.0 2068767-00-B (UHP)

TH011-A RD 1.00 FLRY 1166.0 2068767-00-B (UHP)
TH012-A YE 1.00 FLRY 1166.0 2068767-00-B (UHP)
TH013-A BU 1.00 FLRY 1166.0 2068767-00-B (UHP)

SH_TH011-A
TWIST_TH011-A
SHIELD914
Z2-TH014
TH014-B GY 1.00 FLRY 150.0 2068767-00-B (UHP)

Powertrain Coolant Pump
UHP

X510-1 Motor Phase 1
X510-2 Motor Phase 2
X510-3 Motor Phase 3
X510-4 Ground — GND
X510

SH_TH021-A
TWIST_TH021-A
SHIELD916
Z1-TH024
TH024-A BK 0.50 FLRY 150.0 2068767-00-B (UHP)

TH021-A GN 1.00 FLRY 564.0 2068767-00-B (UHP)
TH022-A WH 1.00 FLRY 564.0 2068767-00-B (UHP)
TH023-A VT 1.00 FLRY 564.0 2068767-00-B (UHP)

SH_TH021-A
TWIST_TH021-A
SHIELD916
Z2-TH024
TH024-B BK 1.00 FLRY 150.0 2068767-00-B (UHP)

Refrigerant Temp and Pressure Sensor, Suction
UHP

X533-1 Ground — Ground
X533-3 Analog Out — Pres
X533-2 Analog Out — Temp
X533-4 Power In — Vref
X533

THP29-A BU 0.50 FLRY 826.0 2068767-00-B (UHP)
THP30-A VT 0.50 FLRY 826.0 2068767-00-B (UHP)
THP31-A GN 0.50 FLRY 826.0 2068767-00-B (UHP)
THP32-A BK 0.50 FLRY 826.0 2068767-00-B (UHP)

Refrigerant Temperature and Pressure Sensor - Discharge
UHP

X534-1 Ground — Ground
X534-3 Analog Out — Pres
X534-2 Analog Out — Temp
X534-4 Power In — Vref
X534

THP33-A YE 0.50 FLRY 1027.0 2068767-00-B (UHP)
THP34-A BU 0.50 FLRY 1027.0 2068767-00-B (UHP)
THP35-A BK 0.50 FLRY 1027.0 2068767-00-B (UHP)
THP40-A BN 0.50 FLRY 1027.0 2068767-00-B (UHP)

Refrigerant Temperature and Pressure Sensor - Subcool
UHP

X513-1 Ground — Ground
X513-3 Analog Out — Pres
X513-2 Analog Out — Temp
X513-4 Power In — Vref
X513

THP41-A VT 0.50 FLRY 959.0 2068767-00-B (UHP)
THP42-A WH 0.50 FLRY 959.0 2068767-00-B (UHP)
THP43-A YE 0.50 FLRY 959.0 2068767-00-B (UHP)
THP44-A BN 0.50 FLRY 959.0 2068767-00-B (UHP)

Coolant Level Sensor, Heat Pump
UHP

X511-1 Signal Out — Capacitive Sensor
X511-4 Ground — Ground
X511

THP45-A WH 0.50 FLRY 725.0 2068767-00-B (UHP)
THP46-A GN 0.50 FLRY 725.0 2068767-00-B (UHP)

Refrigerant Evap SOV
UHP

X516-1 Power In — Power
X516-2 Ground — Ground
X516

THP47-A VT 0.50 FLRY 1012.0 2068767-00-B (UHP)
THP48-A WH 0.50 FLRY 1012.0 2068767-00-B (UHP)

HV Compressor, Heat Pump
UHP,W

THG02-A BK 4.00 FLRB 2481.0 2567964-XX-C (W)
X532

X532-1 Ground — Fault Ground
X529-1 Power In — 12V+
X529-2 CAN — CAN HI
X529-3 CAN — CAN LO
X529-4 Ground — Ground
X529

TWIST-CAN_CVH01_TH-A

THP49-A BU 0.50 FLRY 1245.0 2068767-00-B (UHP)
+CVH01_TH-A WH 0.50 FLRY 1308.0 2068767-00-B (UHP)
+CVH02_TH-A YE 0.50 FLRY 1308.0 2068767-00-B (UHP)
THP50-A BK 0.50 FLRY 1245.0 2068767-00-B (UHP)

TWIST-CAN_CVH01_TH-A

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

X021-E1 Signal In — COOLANT_TEMP_BAT_INLET
X021-F1 Ground — COOLANT_TEMP_BAT_INLET_GND
X021-G1 Signal In — COOLANT_TEMP_PT_INLET
X021-H1 Ground — COOLANT_TEMP_PT_INLET_GND
X021-Q3 Half-Bridge — COOLANT_PUMP_BATTERY_PHASE_A
X021-Q2 Half-Bridge — COOLANT_PUMP_BATTERY_PHASE_B
X021-Q1 Half-Bridge — COOLANT_PUMP_BATTERY_PHASE_C
X021-P1 Ground — BATTERY_COOLANT_PUMP_GND_SHIELD
X021-P3 Half-Bridge — COOLANT_PUMP_POWERTRAIN_PHASE_A
X021-P4 Half-Bridge — COOLANT_PUMP_POWERTRAIN_PHASE_B
X021-Q4 Half-Bridge — COOLANT_PUMP_POWERTRAIN_PHASE_C
X021-P2 Ground — POWERTRAIN_COOLANT_PUMP_GND_SHIELD
X021-K2 Ground — REFRIGERANT_SUCTION_GND
X021-H2 Signal In — REFRIGERANT_SUCTION_PRESSURE
X021-G2 Signal In — REFRIGERANT_SUCTION_TEMP
X021-J2 High-Side Drive — REFRIGERANT_SUCTION_5V
X021-O1 Ground — REFRIGERANT_DISCHARGE_GND
X021-M2 Signal In — REFRIGERANT_DISCHARGE_PRESSURE
X021-L2 Signal In — REFRIGERANT_DISCHARGE_TEMP
X021-N1 High-Side Drive — REFRIGERANT_DISCHARGE_5V
X021-K1 Ground — REFRIGERANT_AUX_GND
X021-F3 Signal In — REFRIGERANT_AUX_PRESSURE
X021-E2 Signal In — REFRIGERANT_AUX_TEMP
X021-J1 High-Side Drive — REFRIGERANT_AUX_5V
X021-L1 Signal In — COOLANT_LEVEL_SENSOR
X021-M1 Ground — COOLANT_LEVEL_SENSOR_GND
X021-L3 High-Side Drive — SHUT_OFF_VALVE_1
X021-M3 Ground — SHUT_OFF_VALVE_1_GND
X021-G3 High-Side Drive — HV_COMPRESSOR_LV_POWER
X021-N4 CAN — VEH_CAN_P
X021-O4 CAN — VEH_CAN_N
X021-F2 Ground — HVAC_COMPRESSOR_CONTROLLER_GND
X021

X021-B4 Half-Bridge — EXV_3_PHASE_D
X021-C4 Half-Bridge — EXV_3_PHASE_B
X021-A4 Half-Bridge — EXV_3_PHASE_C
X021-D4 Half-Bridge — EXV_3_PHASE_A
X021-B2 Half-Bridge — EXV_5_PHASE_D
X021-C2 Half-Bridge — EXV_5_PHASE_B
X021-A2 Half-Bridge — EXV_5_PHASE_C
X021-D2 Half-Bridge — EXV_5_PHASE_A
X021-B3 Half-Bridge — EXV_4_PHASE_D
X021-C3 Half-Bridge — EXV_4_PHASE_B
X021-A3 Half-Bridge — EXV_4_PHASE_C
X021-D3 Half-Bridge — EXV_4_PHASE_A
X021-B1 Half-Bridge — EXV_6_PHASE_D
X021-C1 Half-Bridge — EXV_6_PHASE_B
X021-A1 Half-Bridge — EXV_6_PHASE_C
X021-D1 Half-Bridge — EXV_6_PHASE_A
X021-F4 Half-Bridge — EXV_2_PHASE_D
X021-G4 Half-Bridge — EXV_2_PHASE_B
X021-E4 Half-Bridge — EXV_2_PHASE_C
X021-H4 Half-Bridge — EXV_2_PHASE_A
X021-K4 Half-Bridge — EXV_1_PHASE_D
X021-L4 Half-Bridge — EXV_1_PHASE_B
X021-J4 Half-Bridge — EXV_1_PHASE_C
X021-M4 Half-Bridge — EXV_1_PHASE_A
X021-N3 Half-Bridge — 8_WAY_COOLANT_VALVE_B
X021-O3 Half-Bridge — 8_WAY_COOLANT_VALVE_A
X021-K3 Signal In — 8_WAY_COOLANT_VALVE_HALL
X021-J3 Ground — 8_WAY_COOLANT_VALVE_SENSOR_GND
X021

TWIST_THP27-A

EXV, Recirc
UHP

THP01-A RD 0.50 FLRY 1020.0 2068767-00-B (UHP)
THP02-A WH 0.50 FLRY 1020.0 2068767-00-B (UHP)
THP03-A VT 0.50 FLRY 1020.0 2068767-00-B (UHP)
THP04-A BN 0.50 FLRY 1020.0 2068767-00-B (UHP)
X505

X505-4 Motor — Stepper Motor D - XP
X505-1 Motor — Stepper Motor B - YP
X505-2 Motor — Stepper Motor C - XN
X505-3 Motor — Stepper Motor A - YN

EXV, Cabin Condenser Left
UHP

THP05-A VT 0.50 FLRY 939.0 2068767-00-B (UHP)
THP06-A TN 0.50 FLRY 939.0 2068767-00-B (UHP)
THP07-A YE 0.50 FLRY 939.0 2068767-00-B (UHP)
THP08-A BU 0.50 FLRY 939.0 2068767-00-B (UHP)
X499

X499-4 Motor — Stepper Motor D - XP
X499-1 Motor — Stepper Motor B - YP
X499-2 Motor — Stepper Motor C - XN
X499-3 Motor — Stepper Motor A - YN

EXV, Liquid Cooled Condenser
UHP

THP21-A GY 0.50 FLRY 1037.0 2068767-00-B (UHP)
THP22-A GN 0.50 FLRY 1037.0 2068767-00-B (UHP)
THP23-A BN 0.50 FLRY 1037.0 2068767-00-B (UHP)
THP24-A YE 0.50 FLRY 1037.0 2068767-00-B (UHP)
X504

X504-4 Motor — Stepper Motor D - XP
X504-1 Motor — Stepper Motor B - YP
X504-2 Motor — Stepper Motor C - XN
X504-3 Motor — Stepper Motor A - YN

EXV, Cabin Condenser Right
UHP

THP09-A YE 0.50 FLRY 939.0 2068767-00-B (UHP)
THP10-A BU 0.50 FLRY 939.0 2068767-00-B (UHP)
THP11-A RD 0.50 FLRY 939.0 2068767-00-B (UHP)
THP12-A BK 0.50 FLRY 939.0 2068767-00-B (UHP)
X500

X500-4 Motor — Stepper Motor D - XP
X500-1 Motor — Stepper Motor B - YP
X500-2 Motor — Stepper Motor C - XN
X500-3 Motor — Stepper Motor A - YN

EXV, Evaporator
UHP

THP17-A RD 0.50 FLRY 1015.0 2068767-00-B (UHP)
THP18-A BU 0.50 FLRY 1015.0 2068767-00-B (UHP)
THP19-A WH 0.50 FLRY 1015.0 2068767-00-B (UHP)
THP20-A YE 0.50 FLRY 1015.0 2068767-00-B (UHP)
X503

X503-4 Motor — Stepper Motor D - XP
X503-1 Motor — Stepper Motor B - YP
X503-2 Motor — Stepper Motor C - XN
X503-3 Motor — Stepper Motor A - YN

EXV, Chiller
UHP

THP13-A WH 0.50 FLRY 998.0 2068767-00-B (UHP)
THP14-A BU 0.50 FLRY 998.0 2068767-00-B (UHP)
THP15-A GN 0.50 FLRY 998.0 2068767-00-B (UHP)
THP16-A GY 0.50 FLRY 998.0 2068767-00-B (UHP)
X502

X502-4 Motor — Stepper Motor D - XP
X502-1 Motor — Stepper Motor B - YP
X502-2 Motor — Stepper Motor C - XN
X502-3 Motor — Stepper Motor A - YN

8 Way Coolant Valve
UHP

THP25-A TN 0.50 FLRY 569.0 2068767-00-B (UHP)
THP26-A VT 0.50 FLRY 569.0 2068767-00-B (UHP)
THP27-A RD 0.50 FLRY 598.0 2068767-00-B (UHP)
THP28-A WH 0.50 FLRY 598.0 2068767-00-B (UHP)

TWIST_THP27-A

X519-1 Motor — Motor +
X519-2 Motor — Motor -
X519-3 Signal Out — Encoder
X519-4 Ground — Ground
X519

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: HVAC Heat Pump

PART NUMBER	REV	SHEET	SIZE
	7	27 OF 45	A0

REEU
Battery Backup Siren
L

X487-3 Power In
Power
X487

SEC01-B BU 0.35 FLRY
REEU 1774.0 2567961-XX-B (L)

X906M 16 16 X906F

SEC01-A BU 0.35 FLRY
REEU 1744.0 2567964-XX-B (W)

Horn - High Tone
W

X199-1 Power In
Power
X199

BCM21-A BU 1.00 FLRY
1846.0 2567964-XX-B (W)

Horn - Low Tone
W

X198-1 Power In
Power
X198

BCM22-A RD 1.00 FLRY
1846.0 2567964-XX-B (W)

Radar Front
L

X104-4 Power In
12V Power (Drive Rail)
X104

DAS51-B TN 0.35 FLRY
1846.0 2567961-XX-B (L)

X905M 2 2 X905F

DAS51-A TN 0.35 FLRY
2027.0 2567964-XX-B (W)

Emergency Frunk Release Switch
L

X333-3 Power In
Illumination
X333

SEC22-B GY 0.35 FLRY
590.0 2567961-XX-B (L)

X906M 7 7 X906F

SEC22-A GY 0.35 FLRY
1744.0 2567964-XX-B (W)

Homelink ECU
L

X485-1 Power In
Power In
X485

BCM01-A BU 0.35 FLRY
589.0 2567961-XX-B (L)

X905M 8 8 X905F

BCM01-B BU 0.35 FLRY
1846.0 2567964-XX-B (W)

LHD
Glass Heater - Windshield (LHD)
W

X304-1 Power In
UpperHeater+
X304

HWA21-A YE 0.35 FLRY
LHD 1116.0 2567964-XX-B (W)

RHD
Glass Heater - Windshield (RHD)
W

X304A-1 Power In
UpperHeater+
X304A

HWA21-B YE 0.35 FLRY
RHD 982.0 2567964-XX-B (W)

Frunk Access Post
F

X355-1 Power In
Power
X355

JMP01-A RD 1.00 FLRY
1835.0 2067958-XX-B (F)

X901F 1 1 X901M

JMP01-B RD 1.00 FLRY
1869.0 2567964-XX-B (W)

AWD
Drive Inverter Front & Resolver
N X093 X094

X093-22 Power In
Unswitched +12V
X093-3 Power In
Switched +12V
X093

PT052-B GY 0.35 FLRY
AWD 1282.0 1489051-XX-C (N)

X911M 11 11 X911F

PT052-A GY 0.35 FLRY
AWD 1003.0 2567964-XX-B (W)

PT051-B GN 0.35 FLRY
AWD 1282.0 1489051-XX-C (N)

X911M 10 10 X911F

PT051-A GN 0.35 FLRY
AWD 1003.0 2567964-XX-B (W)

AWD
Drive Unit Oil Pump Front
N

X095-1 Power In
Switched +12V
X095

PT061-B VT 1.00 FLRY
AWD 1351.0 1489051-XX-C (N)

X911M 1 1 X911F

PT061-A VT 1.50 FLRY
AWD 1003.0 2567964-XX-B (W)

Frunk Latch
L X330 X332

X330-1 Motor
Primary Latch Release
X330-2 Motor
Primary Latch Reset
X330

SEC11-B WH 0.35 FLRY
871.0 2567961-XX-B (L)

X906M 10 10 X906F

SEC11-A WH 0.35 FLRY
1744.0 2567964-XX-B (W)

SEC12-B BK 0.35 FLRY
871.0 2567961-XX-B (L)

X906M 11 11 X906F

SEC12-A BK 0.35 FLRY
1744.0 2567964-XX-B (W)

LHD
Windshield - Washer Pump & Level Sensor (LHD)
W

X301-2 Power In
Pump +12V
X301

WPA22-A BU 0.75 FLRY
LHD 952.0 2567964-XX-B (W)

RHD
Windshield - Washer Pump & Level Sensor (RHD)
W

X301A-2 Power In
Pump +12V
X301A

WPA22-B BU 0.75 FLRY
RHD 739.0 2567964-XX-B (W)

LHD
MCU (LHD)
W,B X170 X171 X172 X860 X802 X803 X804 X831 X173 X863 X850 X852

X170-5 Power In
12V0-AUDIO
X170-4 Power In
12V0-BAT
X170

AUD01-A WH 2.00 HFSS
LHD 1285.0 2567964-XX-B (W)

AUD02-A GN 1.50 FLRY
LHD 1395.0 2567964-XX-B (W)

RHD
MCU (RHD)
W,B,A X170A X171A X172A X860A X802A X803A X804A X831A X173A X863A X850A X852A

X170A-5 Power In
12V0-AUDIO
X170A-4 Power In
12V0-BAT
X170A

AUD01-B WH 2.00 HFSS
RHD 1608.0 2567964-XX-B (W)

AUD02-B GN 1.50 FLRY
RHD 1608.0 2567964-XX-B (W)

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

X010-52 High-Side Drive
BATTERY_BACKUP_SIREN

X010-94 High-Side Drive
HORN_HIGH_TONE

X010-95 High-Side Drive
HORN_LOW_TONE

X010-7 High-Side Drive
RADAR

X010-8 High-Side Drive
SIDE_MARKER_LEFT

X010-1 High-Side Drive
FRUNK_LED

X010-2 High-Side Drive
HOMELINK_ECU

X010-90 High-Side Drive
WINDSHIELD_UPPER_GLASS_HEATER

X010-84 Power In
FRUNK_ACCESS_POST

X010-3 High-Side Drive
FRONT_DRIVE_INVERTER_DISCHARGE

X010-4 High-Side Drive
FRONT_DRIVE_INVERTER

X010-79 High-Side Drive
FRONT_DRIVE_UNIT_OIL_PUMP

X010-83 Half-Bridge
FRUNK_LATCH_PRIMARY_RELEASE

X010-82 Half-Bridge
FRUNK_LATCH_PRIMARY_RESET

X010-80 High-Side Drive
WINDSHIELD_WASHER_FLUID_PUMP

X010-76 High-Side Drive
MCU_AUDIO

X010-93 High-Side Drive
MCU_LOGIC

X010-91 High-Side Drive
HCU_ESP_ABS_VALVE

X010-77 High-Side Drive
HEADLIGHT_RIGHT

X010-78 High-Side Drive
HEADLIGHT_LEFT

X010-23 High-Side Drive
SIDE_MARKER_RIGHT

X010-9 High-Side Drive
FOG_LIGHT_RIGHT

X010-5 High-Side Drive
FOG_LIGHT_LEFT

X010-11 High-Side Drive
SIDE_REPEATER_LEFT

X010-10 High-Side Drive
SIDE_REPEATER_RIGHT

X010-6 High-Side Drive
IBOOSTER_WAKE

X010-61 Half-Bridge
ACTIVE_LOUVER_PHASE_C

X010-62 Half-Bridge
ACTIVE_LOUVER_PHASE_B

X010-63 Half-Bridge
ACTIVE_LOUVER_PHASE_A

X010-17 High-Side Drive
EPAS_2_WAKE

X010-16 High-Side Drive
EPAS_1_WAKE

X010

+ABS92-A YE 1.50 FLRY
1086.0 2567964-XX-B (W)

HCU/ESP
W

X151-25 Power In
+12V_VR
X151

EXL51-A BN 1.00 FLRY
1500.0 2567964-XX-B (W)

Headlamp Right
W

X261-1 Power In
Power
X261

EXL01-A GN 1.00 FLRY
1377.0 2567964-XX-B (W)

Headlamp Left
W

X260-1 Power In
Power
X260

FOG
Fascia Lamp Right
F

EXL56-A GY 0.35 FLRY
FOG 1998.0 2567964-XX-B (W)

X901M 13 13 X901F

EXL56-B GY 0.35 FLRY
FOG 616.0 2067958-XX-B (F)

EXL57-A TN 0.35 FLRY
FOG 1998.0 2567964-XX-B (W)

X901M 14 14 X901F

EXL57-B TN 0.35 FLRY
FOG 616.0 2067958-XX-B (F)

X263-1 Power In
Side marker
X263-2 Power In
Fog
X263

FOG
Fascia Lamp Left
F

EXL06-A VT 0.35 FLRY
FOG 1998.0 2567964-XX-B (W)

X901M 11 11 X901F

EXL06-B VT 0.35 FLRY
FOG 2054.0 2067958-XX-B (F)

EXL07-A RD 0.35 FLRY
FOG 1998.0 2567964-XX-B (W)

X901M 12 12 X901F

EXL07-B RD 0.35 FLRY
FOG 2054.0 2067958-XX-B (F)

X262-1 Power In
Side marker
X262-2 Power In
Fog
X262

Side Repeater DAS Left
W X268 X823

EXL08-A GN 0.35 FLRY
1645.0 2567964-XX-B (W)

X268-1 Power In
Power
X268

Side Repeater DAS Right
W X269 X824

EXL58-A YE 0.35 FLRY
1641.0 2567964-XX-B (W)

X269-1 Power In
Power
X269

LHD
iBooster & DTS (LHD)
W X150 X158 X159

+BRK05-A YE 0.35 FLRY
LHD 822.0 2567964-XX-B (W)

X150-20 Power In
Wake
X150

RHD
iBooster & DTS (RHD)
W X150A X158A X159A

+BRK05-B YE 0.35 FLRY
RHD 1388.0 2567964-XX-B (W)

X150A-20 Power In
Wake
X150A

Active Louver
L

SH_TH201-B
TWIST_TH201-B

TH203-B VT 0.35 FLRY
1558.0 2567964-XX-B (W)

TH202-B YE 0.35 FLRY
1558.0 2567964-XX-B (W)

TH201-B RD 0.35 FLRY
1558.0 2567964-XX-B (W)

X906F 3 3 X906M
X906F 1 1 X906M
X906F 2 2 X906M

SH_TH201-B
TWIST_TH201-B

SH_TH201-A
TWIST_TH201-A

TH203-A VT 0.35 FLRY
1892.0 2567961-XX-B (L)

TH202-A YE 0.35 FLRY
1892.0 2567961-XX-B (L)

TH201-A RD 0.35 FLRY
1892.0 2567961-XX-B (L)

SH_TH201-A
TWIST_TH201-A

X506-3 Motor
Phase 3
X506-2 Motor
Phase 2
X506-4 Motor
Phase 1
X506

LHD
EPAS (LHD)
W X190 X191 X192 X193

EPS02-A BN 0.35 FLRY
LHD 1531.0 2567964-XX-B (W)

EPS01-A WH 0.35 FLRY
LHD 1494.0 2567964-XX-B (W)

X193-1 Power In
WAU2
X192-1 Power In
WAU1
X193
X192

RHD
EPAS (RHD)
W X190A X191A X192A X193A

EPS02-B BN 0.35 FLRY
RHD 1471.0 2567964-XX-B (W)

EPS01-B WH 0.35 FLRY
RHD 1550.0 2567964-XX-B (W)

X193A-1 Power In
WAU2
X192A-1 Power In
WAU1
X193A
X192A

TESLA

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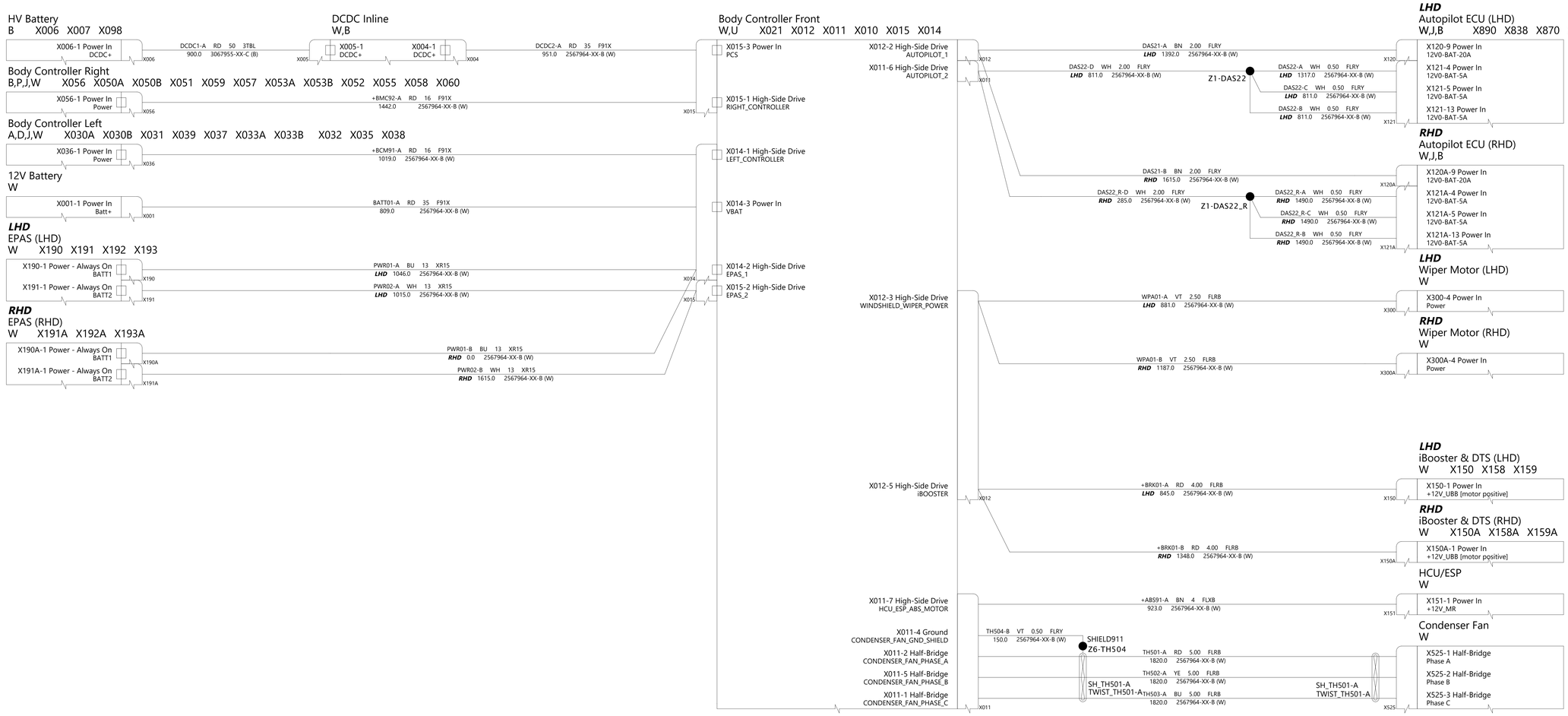
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCFront 1/2

PART NUMBER	REV	SHEET	SIZE
	7	28 OF 45	A0



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

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

PART NUMBER	REV	SHEET	SIZE
	7	29 OF 45	A0

Center Console Front Bin LED
C

X291-1 PWM In Power — X291

INL62-A GY 0.35 FLRY
288.0 3067956-XX-B (C)

X293

Center Console Front Bin Switch
C

X293-1 Digital In Switch
X293-2 Ground Return Ground

X293

INL63-B TN 0.35 FLRY
2155.0 3067956-XX-B (C)

X930M 2 — X930F 2

INL63-A TN 0.35 FLRY
952.0 4067954-XX-C (A)

Center Console Rear Bin LED
C

X292-1 Power In Power — X292

INL64-A BU 0.35 FLRY
790.0 3067956-XX-B (C)

X294

Center Console Rear Bin Switch
C

X294-1 Digital In Switch
X294-2 Ground Return Ground

X294

INL61-A BN 0.35 FLRY
451.0 3067956-XX-B (C)

X930M 8 — X930F 8

INL61-B BN 0.35 FLRY
2155.0 4067954-XX-C (A)

BLE Left B-Pillar
A

X493-1 Power - Always On VBAT — X493

BLE03-A BU 0.35 FLRY
2838.0 4067954-XX-C (A)

Ride Height Sensor RL
X

X085-3 Power In Power — X085

+TAS61-B BU 0.35 FLRY
IRENA 1097.0 2067968-XX-B (X)

X950F 6 — X950M 6

+TAS61-A BU 0.35 FLRY
4611.0 4067954-XX-C (A)

Exterior Open Switch Rear Left
R

X425-4 Power In Sensor Power — X425

DCL144-A GN 0.35 FLRY
1360.0 3067965-XX-A (R)

X924F 17 — X924M 17

DCL144-B GN 0.35 FLRY
2189.0 4067954-XX-C (A)

Security Controller
C

X492-1 Power In Power — X492

SEC91-B YE 0.13 MCIV
612.0 3067956-XX-B (C)

X930M 4 — X930F 4

SEC91-A YE 0.35 FLRY
2065.0 4067954-XX-C (A)

BLE Rear
A

X497-4 Power In VBAT — X497

BLE04-A RD 0.35 FLRY
5425.0 4067954-XX-C (A)

Overhead Console Front
K

X299-1 Power In VBAT — X299

INL81-B YE 0.35 FLRY
316.0 2067970-XX-A (K)

X981F 19 — X981M 19

INL81-A YE 0.35 FLRY
1681.0 4067954-XX-C (A)

Drive Inverter Rear & Resolver
X X090 X091

X090-3 Power In Switched +12V
X090-22 Power In Unswitched +12V — X090

+DRV62-A GN 0.35 FLRY
1173.0 2067968-XX-B (X)

X950F 9 — X950M 9

+DRV62-B GN 0.35 FLRY
4521.0 4067954-XX-C (A)

+DRV61-A VT 0.35 FLRY
4611.0 2067968-XX-B (X)

X950F 10 — X950M 10

+DRV61-B VT 0.35 FLRY
4464.0 4067954-XX-C (A)

Charge Port ECU
A X096 X688 X687

X096-10 Power In VBAT_PROT — X096

+CP001-A TN 0.35 FLRY
3673.0 4067954-XX-C (A)

2R Heat Pad Cushion
A

X686-3 Power In Heater +12V RH
X686-2 Power In Heater +12V CTR
X686-1 Power In Heater +12V LH — X686

SCL112-A VT 0.50 FLRY
2445.0 4067954-XX-C (A)

SCL111-A GY 0.50 FLRY
2445.0 4067954-XX-C (A)

SCL110-A GN 0.50 FLRY
2445.0 4067954-XX-C (A)

2R Heat Pad Backrest Left
A

X676-2 Power In Heater + 12V — X676

SCL109-A RD 0.50 FLRY
2677.0 4067954-XX-C (A)

Trailer Light Controller
A

X041-3 Power In VBAT — X041

TRL10-A RD 3.00 FLRB
5410.0 4067954-XX-C (A)

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

X030A-9 High-Side Drive
CENTER_CONSOLE_BIN_FRONT_SWITCH_LED

X030A-10 High-Side Drive
CENTER_CONSOLE_BIN_REAR_SWITCH_LED

X030A-12 High-Side Drive
BLE_B_PILLAR

X030A-21 High-Side Drive
RIDE_HEIGHT_SENSOR_RL_5V

X030A-23 High-Side Drive
DOOR_REAR_EXTERIOR_HANDLE_SENSOR_5V

X030A-24 High-Side Drive
SECURITY_CONTROLLER

X030A-25 High-Side Drive
BLE_REAR

X030A-26 High-Side Drive
OVERHEAD_CONSOLE_CONTROLLER

X030A-27 High-Side Drive
REAR_DRIVE_INVERTER

X031-21 High-Side Drive
REAR_DRIVE_INVERTER_DISCHARGE

X030A-28 High-Side Drive
CHARGE_PORT_ECU

X030A-29 High-Side Drive
2R_SEAT_RIGHT_CUSHION_HEAT

X030A-30 High-Side Drive
2R_SEAT_CENTER_CUSHION_HEAT

X030A-31 High-Side Drive
2R_SEAT_LEFT_CUSHION_HEAT

X030A-32 High-Side Drive
2R_SEAT_LEFT_BACKREST_HEAT

X030B-11 High-Side Drive
TRAILER_ECU

X031-1 Half-Bridge
WINDOW_LIFT_REAR_UP

X031-15 Half-Bridge
WINDOW_LIFT_REAR_DOWN

X031-2 Half-Bridge
PARKING_BRAKE_RELEASE

X031-17 Half-Bridge
PARKING_BRAKE_APPLY

X031-4 Half-Bridge
DOOR_REAR_LATCH_RESET

X031-19 Half-Bridge
DOOR_REAR_LATCH_RELEASE

X031-5 High-Side Drive
USB_PORTS

X031-8 High-Side Drive
DOOR_REAR_WINDOW_SWITCH_LED

X031-10 High-Side Drive
BODY_SIDE_TAIL_LIGHT

X031-11 High-Side Drive
TURN_SIGNAL

X031-12 High-Side Drive
BODY_SIDE_BRAKE_LIGHT

X031-23 High-Side Drive
DOOR_REAR_INTERIOR_HANDLE_SWITCH_LED

X031-24 High-Side Drive
DOOR_REAR_LATCH_OPEN_PUDDLE_LED

X031-32 Half-Bridge
LIFTGATE_STRUT_OPEN

X031-31 Half-Bridge
LIFTGATE_STRUT_CLOSE

X039-10 High-Side Drive
LIFTGATE_SENSOR_POWER

X030A — X031 — X031 — X039

DCL101-B WH 1.50 FLRY
2204.0 4067954-XX-C (A)
DCL102-B GY 1.50 FLRY
2204.0 4067954-XX-C (A)

X924M 1 12 — X924F 1 12

TWIST_DCL101-A

DCL101-A WH 1.50 FLRY
740.0 3067965-XX-A (R)
DCL102-A GY 1.50 FLRY
740.0 3067965-XX-A (R)

TWIST_DCL101-A

Window Lift Motor Rear Left
R

X433-1 Half-Bridge
MOTOR +
X433-5 Half-Bridge
MOTOR -

X433

EPB Left
A

TWIST_ABS51-A

+ABSS1-A RD 1.50 FLRY
4755.0 4067954-XX-C (A)
+ABSS2-A GY 1.50 FLRY
4755.0 4067954-XX-C (A)

TWIST_ABS51-A

X162-1 Power In
Power - Release
X162-2 Power In
Power - Apply

X162

Latch Rear Left
R

DCL124-B GY 0.50 FLRY
2099.0 4067954-XX-C (A)
DCL123-B WH 0.50 FLRY
2099.0 4067954-XX-C (A)

TWIST_DCL123-B

X924M 10 9 — X924F 10 9

TWIST_DCL123-A

DCL124-A GY 0.50 FLRY
1150.0 3067965-XX-A (R)
DCL123-A WH 0.50 FLRY
1150.0 3067965-XX-A (R)

TWIST_DCL123-A

X427-3 Half-Bridge
UNLATCH RESET
X427-4 Half-Bridge
UNLATCH OPEN

X427

USB Ports Rear
C

AUX02-A YE 2.00 FLRY
812.0 4067954-XX-C (A)

X930F 15 — X930M 15

AUX02-B YE 2.00 FLRY
649.0 3067956-XX-B (C)

X195B-D Power In
12V Battery Input
X195B-C Power In
12V Battery Input

X195B

USB Ports Front
C

AUX04-A BU 2.00 FLRY
1457.0 3067956-XX-B (C)

X196B-D Power In
12V Battery Input

X196B

Window Switch RL
R

DCL134-B YE 0.35 FLRY
2189.0 4067954-XX-C (A)

X924M 2 — X924F 2

DCL134-A YE 0.35 FLRY
1099.0 3067965-XX-A (R)

X432-1 Power In
LED

X432

Tail Light Body LH
A

EXL21-A YE 0.35 FLRY
4513.0 4067954-XX-C (A)
EXL23-A RD 0.35 FLRY
4513.0 4067954-XX-C (A)
EXL22-A GY 0.35 FLRY
4513.0 4067954-XX-C (A)

X270-2 Power In
Tail (SAE/ECE)
X270-3 Power In
Turn/Stop (SAE), Turn (ECE)
X270-5 Power In
Not connected (SAE), Stop (ECE)

X270

Interior Open Switch Rear Left
R

DCL142-B WH 0.35 FLRY
2189.0 4067954-XX-C (A)

X924M 14 — X924F 14

DCL142-A WH 0.35 FLRY
1309.0 3067965-XX-A (R)

X426-2 PWM In
Illumination

X426

Puddle LED Rear Left
R

DCL121-B VT 0.35 FLRY
2189.0 4067954-XX-C (A)

X924M 7 — X924F 7

DCL121-A VT 0.35 FLRY
1042.0 3067965-XX-A (R)

X436-1 Power In
Power

X436

Trunk Power Strut
A

TWIST_PLG05-A

PLG05-A VT 2.00 FLRY
3848.0 4067954-XX-C (A)
PLG06-A BU 2.00 FLRY
3848.0 4067954-XX-C (A)
PLG01-A WH 0.35 FLRY
3602.0 4067954-XX-C (A)

TWIST_PLG05-A

X353-5 Motor
Motor Power Open/Extension
X353-8 Motor
Motor Power Close/Retract
X353-1 Power In
Hall Signal Power Supply

X353

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCLeft 1/2

PART NUMBER	REV	SHEET	SIZE
	7	30 OF 45	A0

1/1(A0 TESLA)

Ride Height Sensor FL
W

X083-3 Power In
Power
X083

+TAS27-A GY 0.35 FLRY
IRENA 2101.0 2567964-XX-B (W)

Restraints Controller
A,J X200 X201

X200-40 Power In
PWR1
X200

+SRI96_B-A RD 0.35 FLRY
2678.0 3067960-XX-B, 3117690-XX-B (J)
X055

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

X055-32 Pass-through
RESTRAINT_CONTROL_MODULE_PASSTHROUGH_1

X059-30 Pass-through
RESTRAINT_CONTROL_MODULE_PASSTHROUGH_1
X059

+SRI96_A-B VT 0.35 FLRY
7162.0 3067955-XX-C (B)
X908M
10
10
X908F
+SRI96_A-A VT 0.35 FLRY
2148.0 2567964-XX-B (W)
X037

Heat Pad Backrest Front
Y

X616-2 Power In
Heat +12V
X616

SCL13-A RD 0.50 FLRY
LHST 1746.0 1489060-XX-C (Y)

Heat Pad Cushion Front
Y

X617-2 Power In
Heater Supply
X617

SCL15-A YE 0.50 FLRY
LHST 1766.0 1489060-XX-C (Y)

Seat Backrest Pitch Front
Y

X613-1 Half-Bridge
Power (U+ = SEAT FORWARD, CW)
X613-3 Half-Bridge
Power (U+ = SEAT REARWARD, CCW)
X613

TWIST_SCL09-A

SCL09-A YE 0.75 FLRY
LHST 2537.0 1489060-XX-C (Y)
SCL10-A BK 0.75 FLRY
LHST 2537.0 1489060-XX-C (Y)

TWIST_SCL09-A

PREMST
Track Motor
Y

X614-1 Power In
Fore
X614-5 Power In
Aft
X614

TWIST_SCL23-A

SCL23-A BU 1.00 FLRY
LHST && PREMST 1939.0 1489060-XX-C (Y)
SCL24-A GY 1.00 FLRY
LHST && PREMST 1939.0 1489060-XX-C (Y)

TWIST_SCL23-A

PREMST
Tilt Motor
Y

X621-1 Motor
Down
X621-3 Motor
Up
X621

TWIST_SCL40-A

SCL40-A YE 0.75 FLRY
LHST && PREMST 1791.0 1489060-XX-C (Y)
SCL41-A VT 0.75 FLRY
LHST && PREMST 1791.0 1489060-XX-C (Y)

TWIST_SCL40-A

PREMST
Lumbar
Y

X619-1 Power In
+12V Power
X619

SCL01-A RD 0.35 FLRY
LHST && PREMST 2472.0 1489060-XX-C (Y)
X032

Steering Angle and Stalk ECU
J X180 X183 X184

X180-7 Power In
Power (Steering Wheel)
X180-1 Power In
Power
X180

SCA11-A VT 0.75 FLRY
2365.0 3067960-XX-B, 3117690-XX-B (J)
SCA13-A GY 0.35 FLRY
2365.0 3067960-XX-B, 3117690-XX-B (J)

PCOLM
Steering Column Adjust
J

X182-2 Motor
Tele IN
X182-1 Motor
Tele OUT
X182-6 Motor
Tilt UP
X182-5 Motor
Tilt DOWN
X182

TWIST_SCA07-A

SCA07-A GN 0.50 FLRY
PCOLM 2335.0 3067960-XX-B, 3117690-XX-B (J)
SCA08-A BU 0.50 FLRY
PCOLM 2335.0 3067960-XX-B, 3117690-XX-B (J)

TWIST_SCA07-A

TWIST_SCA01-A

SCA02-A WH 0.50 FLRY
PCOLM 2335.0 3067960-XX-B, 3117690-XX-B (J)
SCA01-A RD 0.50 FLRY
PCOLM 2335.0 3067960-XX-B, 3117690-XX-B (J)

TWIST_SCA01-A

Footwell LED Front Left
J

X280-1 Power In
Power
X280

LHD && REAP || LHD && REEU

INL41-A RD 0.35 FLRY
1078.0 3067960-XX-B, 3117690-XX-B (J)

OBD-II
J

X181-3 Power In
Accessory
X181-16 Power In
VBATT
X181-11 Power In
Accessory - always on
X181

OBD01-A GN 0.35 FLRY
LHD && REAP || LHD && REEU 660.0 3067960-XX-B, 3117690-XX-B (J)
OBD02-A RD 0.35 FLRY
LHD && REAP || LHD && REEU 660.0 3067960-XX-B, 3117690-XX-B (J)
OBD03-A YE 0.35 FLRY
LHD && REAP || LHD && REEU 660.0 3067960-XX-B, 3117690-XX-B (J)
X035

Blower Motor
J

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

SH_THC01-A
TWIST_THC01-A

THC03-A WH 5.00 FLRB
1088.0 3067960-XX-B, 3117690-XX-B (J)
THC02-A BK 5.00 FLRB
1088.0 3067960-XX-B, 3117690-XX-B (J)
THC01-A RD 5.00 FLRB
1088.0 3067960-XX-B, 3117690-XX-B (J)

SH_THC01-A
TWIST_THC01-A
X038

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

X037-22 High-Side Drive
RIDE_HEIGHT_SENSOR_FL_5V
X037-28 High-Side Drive
RESTRAINT_CONTROL_MODULE
X032-31 High-Side Drive
SEAT_FRONT_HEAT_PAD_BACKREST
X032-32 High-Side Drive
SEAT_FRONT_HEAT_PAD_CUSHION
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
X032-36 Half-Bridge
SEAT_FRONT_TILT_DOWN
X032-37 Half-Bridge
SEAT_FRONT_TILT_UP
X032-49 High-Side Drive
LUMBAR_ECU
X035-5 High-Side Drive
STEERING_WHEEL_CONTROLS_ECU
X035-44 High-Side Drive
STEERING_ANGLE_AND_STALK_ECU
X035-15 Half-Bridge
STEERING_COLUMN_IN
X035-31 Half-Bridge
STEERING_COLUMN_OUT
X035-35 Half-Bridge
STEERING_COLUMN_UP
X035-36 Half-Bridge
STEERING_COLUMN_DOWN
X035-43 High-Side Drive
FOOTWELL_LED_FRONT
X035-34 High-Side Drive
ACCESSORY_FEED_2_DASH
X035-33 High-Side Drive
ACCESSORY_FEED_1
X035-45 High-Side Drive
ACCESSORY_FEED_ALWAYS_ON
X038-4 Half-Bridge
HVAC_BLOWER_MOTOR_PHASE_C
X038-2 Half-Bridge
HVAC_BLOWER_MOTOR_PHASE_B
X038-1 Half-Bridge
HVAC_BLOWER_MOTOR_PHASE_A

X037-22 High-Side Drive
RIDE_HEIGHT_SENSOR_FL_5V
X033A-13 High-Side Drive
DOOR_FRONT_LATCH_OPEN_PUDDLE_LED
X037-28 High-Side Drive
RESTRAINT_CONTROL_MODULE
X033A-11 High-Side Drive
DOOR_FRONT_WINDOW_SWITCH_LED
X032-31 High-Side Drive
SEAT_FRONT_HEAT_PAD_BACKREST
X033A-34 Half-Bridge
WINDOW_LIFT_FRONT_DOWN
X033A-35 Half-Bridge
WINDOW_LIFT_FRONT_UP
X032-32 High-Side Drive
SEAT_FRONT_HEAT_PAD_CUSHION
X033A-12 High-Side Drive
DOOR_FRONT_INTERIOR_HANDLE_SWITCH_LED
X032-9 Half-Bridge
SEAT_FRONT_BACKREST_UP
X032-10 Half-Bridge
SEAT_FRONT_BACKREST_DOWN
X033A-5 High-Side Drive
DOOR_FRONT_EXTERIOR_HANDLE_SENSOR_5V
X032-12 Half-Bridge
SEAT_FRONT_TRACK_FORWARD
X033A-7 Half-Bridge
MIRROR_TILT_LEFT_RIGHT
X032-13 Half-Bridge
SEAT_FRONT_TRACK_REVERSE
X033A-8 Half-Bridge
MIRROR_TILT_UP_DOWN
X033A-9 Half-Bridge
MIRROR_TILT_COMMON
X033A-10 Half-Bridge
MIRROR_FOLD
X032-36 Half-Bridge
SEAT_FRONT_TILT_DOWN
X033A-18 High-Side Drive
MIRROR_TILT_POSITION_5V
X032-37 Half-Bridge
SEAT_FRONT_TILT_UP
X033A-23 Half-Bridge
MIRROR_UNFOLD
X033A
X033B-2 High-Side Drive
MIRROR_DIM
X033B-1 High-Side Drive
MIRROR_HEAT
X032-49 High-Side Drive
LUMBAR_ECU
X033B-3 Half-Bridge
DOOR_FRONT_LATCH_RESET
X035-5 High-Side Drive
STEERING_WHEEL_CONTROLS_ECU
X033B-6 Half-Bridge
DOOR_FRONT_LATCH_RELEASE
X035-44 High-Side Drive
STEERING_ANGLE_AND_STALK_ECU
X033B

DCL21-A VT 0.35 FLRY
1735.0 3067957-XX-B (D)

Puddle LED Front Left
D

X371-1 Power In
Power
X371

LHD
Window Switch Driver Front Left
D

DCL35-A GY 0.13 MCIV
LHD 1883.0 3067957-XX-B (D)

X365-5 Power In
Illumination
X365

Window Lift Motor Front Left
D

TWIST_DCL01-A

DCL02-A TN 1.50 FLRY
2201.0 3067957-XX-B (D)
DCL01-A RD 1.50 FLRY
2201.0 3067957-XX-B (D)

TWIST_DCL01-A

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

Interior Open Switch Front Left
D

DCL42-A YE 0.13 MCIV
2217.0 3067957-XX-B (D)

X366-2 PWM In
Illumination
X366

Exterior Open Switch Front Left
D

DCL44-A TN 0.35 FLRY
1835.0 3067957-XX-B (D)

X367-4 Power In
Sensor Power
X367

PMIRR
Mirror Left Premium
D

DCL53-A WH 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL51-A VT 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL52-A YE 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL58-A GN 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL60-A RD 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL59-A BU 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL56-A BN 0.13 MCIV
PMIRR 1926.0 3067957-XX-B (D)
DCL55-A RD 0.35 FLRY
PMIRR 1926.0 3067957-XX-B (D)

X376-3 Half-Bridge
Motor Pan (Left-, Right+)
X376-9 Half-Bridge
Motor Tilt (Up+, Down-)
X376-8 Half-Bridge
Motor Common
X376-2 Half-Bridge
Fold (+), Unfold (-)
X376-4 Vref Input
Position Vref 5V
X376-10 Half-Bridge
Fold (-), Unfold (+)
X376-14 High-Side Drive
EC (+)
X376-1 High-Side Drive
Heater (+)
X376

Latch Front Left
D

TWIST_DCL23-A

DCL24-A GY 0.50 FLRY
1711.0 3067957-XX-B (D)
DCL23-A WH 0.50 FLRY
1711.0 3067957-XX-B (D)

TWIST_DCL23-A

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

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

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

PART NUMBER	REV	SHEET	SIZE
	7	31 OF 45	A0

License Plate Lamp Left
T

X279-1 Power In
Power
X279

EXL81-C BN 0.35 FLRY
495.0 2068789-XX-B (T)

Z1-EXL81

EXL81-D BN 0.35 FLRH
1189.0 2068789-XX-B (T)

X954F 4 — X954M 4

EXL81-B BN 0.35 FLRY
3605.0 3067955-XX-C (B)

License Plate Lamp Right
T

X278-1 Power In
Power
X278

EXL81-A BN 0.35 FLRY
377.0 2068789-XX-B (T)

Tail Light Liftgate LH
T

X271-2 Power In
Tail
X271-3 Power In
Fog or Backup
X271

EXL83-C RD 0.35 FLRH
~~GBL~~ 6.0 2068789-XX-B (T)

EXL25-C WH 0.35 FLRH
~~GBL & REEU~~ 2068789-XX-B (T)

EXL25-D WH 0.35 FLRY
~~GBL & REEU~~ 2068789-XX-B (T)

X954F 2 — X954M 2
X954F 5 — X954M 5
X954F 3 — X954M 3

EXL83-A RD 0.35 FLRY
3760.0 3067955-XX-C (B)

EXL25-A WH 0.35 FLRY
3760.0 3067955-XX-C (B)

EXL26-A YE 0.35 FLRY
3760.0 3067955-XX-C (B)

Tail Light Liftgate RH
T

X273-2 Power In
Tail
X273-3 Power In
Fog or Backup
X273

EXL82-C BN 0.35 FLRH
~~GBL~~ 11.0 2068789-XX-B (T)

EXL75-C BU 0.35 FLRH
~~GBL~~ 11.0 2068789-XX-B (T)

X954F 7 — X954M 7
X954F 6 — X954M 6

EXL82-A BN 0.35 FLRY
3750.0 3067955-XX-C (B)

EXL75-A BU 0.35 FLRY
3760.0 3067955-XX-C (B)

Trunk Internal Illumination Right
B

X297-1 Power In
Power
X297

INL72-A RD 0.35 FLRY
3709.0 3067955-XX-C (B)

CHMSL
Q

X274-2 Power In
Stop
X274

EXL91-B BU 0.35 FLRY
2823.0 1068770-XX-D (Q)

X970F 6 — X970M 6

EXL91-A BU 0.35 FLRY
1233.0 3067955-XX-C (B)

Latch Rear Right
S

X457-3 Half-Bridge
UNLATCH RESET
X457-4 Half-Bridge
UNLATCH OPEN
X457

TWIST_DCR123-A

DCR124-A GY 0.50 FLRY
1150.0 3067966-XX-A (S)
DCR123-A WH 0.50 FLRY
1150.0 3067966-XX-A (S)

X926F 10 — X926M 10
X926F 9 — X926M 9

TWIST_DCR123-A

TWIST_DCR123-B

DCR124-B GY 0.50 FLRY
2038.0 3067955-XX-C (B)
DCR123-B WH 0.50 FLRY
2038.0 3067955-XX-C (B)

TWIST_DCR123-B

Trunk Cinching Latch
T

X340-4 Motor
Motor +
X340-5 Motor
Motor -
X340

TWIST_SEC70-A

SEC71-A GN 1.00 FLRH
3719.0 2068789-XX-B (T)
SEC70-A RD 1.00 FLRH
1918.0 2068789-XX-B (T)

X954F 20 — X954M 20
X954F 11 — X954M 11

TWIST_SEC70-A

TWIST_SEC70-B

SEC71-B GN 1.00 FLRY
3914.0 3067955-XX-C (B)
SEC70-B RD 1.00 FLRY
3914.0 3067955-XX-C (B)

TWIST_SEC70-B

RADIO
Radio Tuner
B X562 X815 X818

X562-1 Power In
ACC
X562

AUD81-A RD 0.35 FLRY
RADIO 3395.0 3067955-XX-C (B)

HV Battery
B X006 X007 X098

X098-8 Power In
VEH-12V-BAT
X098

+BMS01-A YE 0.75 FLRY
2497.0 3067955-XX-C (B)

BLE Right B-Pillar
B

X494-1 Power In
VBAT
X494

BLE02-A YE 0.35 FLRY
2775.0 3067955-XX-C (B)

PAUDIO
Premium Amp Audio
B X560 X561 X563

X561-6 Power In
VbatAccIn14v0
X561

AMP91-A RD 3.00 FLRB
PAUDIO 4348.0 3067955-XX-C (B)

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

X051-38 High-Side Drive
LICENSE_PLATE_LIGHTS

X051-41 High-Side Drive
LIFTGATE_TAIL_LIGHT_LEFT

X051-24 High-Side Drive
REVERSE_TRUNK_LIGHT_LEFT

X051-8 High-Side Drive
FOG_TRUNK_LIGHT_LEFT

X051

X050A-24 High-Side Drive
LIFTGATE_TAIL_LIGHT_RIGHT

X051-9 High-Side Drive
REVERSE_TRUNK_LIGHT_RIGHT

X050A

X051-23 High-Side Drive
FOG_TRUNK_LIGHT_RIGHT

X051

X050B-9 High-Side Drive
M3_TRUNK_INTERIOR_LED

X050B

X050A-25 High-Side Drive
CHMSL_BRAKE_LIGHT

X050A

X050B-1 Half-Bridge
DOOR_REAR_LATCH_RESET

X050B-5 Half-Bridge
DOOR_REAR_LATCH_RELEASE

X050B-2 Half-Bridge
TRUNK_LATCH_A

X050B-6 Half-Bridge
TRUNK_LATCH_B

X050B-3 High-Side Drive
RADIO_TUNER

X050B-4 High-Side Drive
HV_CONTROLLER

X050B-10 High-Side Drive
BLE_B_PILLAR

X050B-11 High-Side Drive
PREMIUM_AMP_ECU

X050B

X059-20 High-Side Drive
LIFTGATE_SHUTFACE_SWITCH_LED

X059

SEC51-B WH 0.35 FLRY
3716.0 3067955-XX-C (B)

X954M 18 — X954F 18

SEC51-C WH 0.35 FLRH
1660.0 2068789-XX-B (T)

X955F 1 — X955M 1

SEC51-A WH 0.35 FLRY
163.0 1584324-XX-A (TT)

X348

X348-3 Power In
Switch Illumination

Trunk Internal Close Switch
T

X060-2 High-Side Drive
REAR_GLASS_HEATER

X060

TH091-A BN 3 FLX8
3231.0 3067955-XX-C (B)

X309

X309-1 Power In
Defrost+

Rear Defrost
B

X051-45 High-Side Drive
ULTRASONIC_SENSORS_REAR

PKA21-G RD 0.35 FLRY
4629.0 3067955-XX-C (B)

X949M 1 — X949F 1

PKA21-H RD 0.35 FLRY
511.0 1067959-XX-A (G)

Z3-PKA21

PKA21-C RD 0.35 FLRY
694.0 1067959-XX-A (G)

X142

X142-1 Power In
Power In

Ultrasonic Sensor LIR
G

PKA21-D RD 0.35 FLRY
668.0 1067959-XX-A (G)

X141

X141-1 Power In
Power In

Ultrasonic Sensor LOR
G

PKA21-F RD 0.35 FLRY
1163.0 1067959-XX-A (G)

X140

X140-1 Power In
Power In

Ultrasonic Sensor LSR
G

PKA21-B RD 0.35 FLRY
271.0 1067959-XX-A (G)

X143

X143-1 Power In
Power In

Ultrasonic Sensor RIR
G

PKA21-A RD 0.35 FLRY
293.0 1067959-XX-A (G)

X144

X144-1 Power In
Power In

Ultrasonic Sensor ROR
G

PKA21-E RD 0.35 FLRY
1190.0 1067959-XX-A (G)

X145

X145-1 Power In
Power In

Ultrasonic Sensor RSR
G

X051-22 High-Side Drive
DOOR_REAR_WINDOW_SWITCH_LED

DCR134-B WH 0.35 FLRY
2152.0 3067955-XX-C (B)

X926M 17 — X926F 17

DCR134-A WH 0.35 FLRY
1099.0 3067966-XX-A (S)

X462

X462-1 Power In
LED

Window Switch RR
S

X051-2 Half-Bridge
WINDOW_LIFT_REAR_UP

X051-1 Half-Bridge
WINDOW_LIFT_REAR_DOWN

DCR101-B RD 1.50 FLRY
2140.0 3067955-XX-C (B)
DCR102-B BU 1.50 FLRY
2140.0 3067955-XX-C (B)

TWIST_DCR101-B

X926M 1 — X926F 1
X926M 12 — X926F 12

TWIST_DCR101-A

DCR101-A RD 1.50 FLRY
740.0 3067966-XX-A (S)
DCR102-A BU 1.50 FLRY
740.0 3067966-XX-A (S)

TWIST_DCR101-A

X463

X463-1 Half-Bridge
MOTOR +
X463-5 Half-Bridge
MOTOR -

Window Lift Motor Rear Right
S

Drive Unit Oil Pump Rear
X

X051-3 High-Side Drive
OIL_PUMP_REAR_DRIVE_UNIT

+DRV81-B RD 1.50 FLRY
4602.0 3067955-XX-C (B)

X952M 10 — X952F 10

+DRV81-A RD 1.00 FLRY
1192.0 2067968-XX-B (X)

X092

X092-1 Power In
Switched +12V

EPB Right
B

X051-4 Half-Bridge
PARKING_BRAKE_RELEASE

X051-5 Half-Bridge
PARKING_BRAKE_APPLY

TWIST_ABS53-A

+ABS53-A GN 1.50 FLRY
4840.0 3067955-XX-C (B)
+ABS54-A BK 1.50 FLRY
4840.0 3067955-XX-C (B)

TWIST_ABS53-A

X163

X163-1 Power In
Power - Release
X163-2 Power In
Power - Apply

Humidity and Glass Temp
V

X051-7 High-Side Drive
LIGHT_AND_HUMIDITY_SENSOR

THC91-B VT 0.13 MCIV
1764.0 3067955-XX-C (B)

X962M 7 — X962F 7

THC91-A VT 0.13 MCIV
400.0 1068787-XX-D (V)

X303

X303-1 Power In
Power In

2R Heat Pad Backrest Right
B

X051-17 High-Side Drive
2R_SEAT_RIGHT_HEAT_PAD_BACKREST

SCR105-A BN 0.50 FLRY
2676.0 3067955-XX-C (B)

X677

X677-2 Power In
Heater + 12V

Puddle LED Rear Right
S

X051-25 High-Side Drive
DOOR_REAR_LATCH_OPEN_PUDDLE_LED

DCR121-B VT 0.35 FLRY
2152.0 3067955-XX-C (B)

X926M 7 — X926F 7

DCR121-A VT 0.35 FLRY
1042.0 3067966-XX-A (S)

X466

X466-1 Power In
Power

Mirror - Rear View - Electrochromatic
V

X051-26 High-Side Drive
MIRROR_REAR_VIEW_DIM

INL91-B YE 0.35 FLRY
1809.0 3067955-XX-C (B)

X962M 1 — X962F 1

INL91-A YE 0.35 FLRY
286.0 1068787-XX-D (V)

X129

X129-1 Power In
EC+

Interior Open Switch Rear Right
S

X051-21 High-Side Drive
DOOR_REAR_INTERIOR_HANDLE_SWITCH_LED

X051

DCR142-B YE 0.35 FLRY
2152.0 3067955-XX-C (B)

X926M 13 — X926F 13

DCR142-A YE 0.35 FLRY
1132.0 3067966-XX-A (S)

X456

X456-2 PWM In
Illumination

Tail Light Body RH
B

X050A-11 High-Side Drive
BODY_SIDE_TAIL_LIGHT_RIGHT

X050A

EXL71-A YE 0.35 FLRY
4608.0 3067955-XX-C (B)

X050B-8 High-Side Drive
TURN_SIGNAL

X050B

EXL73-A TN 0.35 FLRY
4454.0 3067955-XX-C (B)

X050A-12 High-Side Drive
BODY_SIDE_BRAKE_LIGHT

X050A

EXL72-A GY 0.35 FLRY
4454.0 3067955-XX-C (B)

X272

X272-2 Power In
Tail (SAE/ECE)
X272-3 Power In
Turn/Stop (SAE), Turn (ECE)
X272-5 Power In
Not connected (SAE), Stop (ECE)

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCRight 1/2

PART NUMBER	REV	SHEET	SIZE
	7	32 OF 45	A0

PREMST
Track Motor
Y

X614-5 Power In Aft
X614-1 Power In Fore
X614
TWIST_SCR23-A
SCR24-A GY 1.00 FLRY
PREMST && RHST 1942.0 1489060-XX-C (Y)
SCR23-A BU 1.00 FLRY
PREMST && RHST 1942.0 1489060-XX-C (Y)
TWIST_SCR23-A

Seat Backrest Pitch Front
Y

X613-3 Half-Bridge Power (U+ = SEAT REARWARD, CCW)
X613-1 Half-Bridge Power (U+ = SEAT FORWARD, CW)
X613
TWIST_SCR09-A
SCR10-A BK 0.75 FLRY
RHST 2540.0 1489060-XX-C (Y)
SCR09-A YE 0.75 FLRY
RHST 2540.0 1489060-XX-C (Y)
TWIST_SCR09-A

PREMST
Lumbar
Y

X619-1 Power In +12V Power
X619
SCR01-A RD 0.35 FLRY
PREMST && RHST 2475.0 1489060-XX-C (Y)

PREMST
Tilt Motor
Y

X621-3 Motor Up
X621-1 Motor Down
X621
TWIST_SCR40-A
SCR41-A VT 0.75 FLRY
PREMST && RHST 1794.0 1489060-XX-C (Y)
SCR40-A YE 0.75 FLRY
PREMST && RHST 1794.0 1489060-XX-C (Y)
TWIST_SCR40-A

Heat Pad Cushion Front
Y

X617-2 Power In Heater Supply
X617
SCR15-A YE 0.50 FLRY
RHST 1769.0 1489060-XX-C (Y)

Heat Pad Backrest Front
Y

X616-2 Power In Heat +12V
X616
SCR13-A RD 0.50 FLRY
RHST 1749.0 1489060-XX-C (Y)

Lift Motor
Y

X618-3 Motor Down
X618-1 Motor Up
X618
TWIST_SCR18-A
SCR18-A GN 0.75 FLRY
RHST 1844.0 1489060-XX-C (Y)
SCR19-A WH 0.75 FLRY
RHST 1844.0 1489060-XX-C (Y)
TWIST_SCR18-A

Footwell LED Front Right
J

X281-1 Power In Power
X281
INL42-A GY 0.35 FLRY
1307.0 3067960-XX-B, 3117690-XX-B (J)

Cabin Thermistors
J

X542-3 Power In Motor +
X542-4 Ground Motor -
X542
TWIST_THC63-A
THC63-A RD 0.13 MCIV
1420.0 3067960-XX-B, 3117690-XX-B (J)
THC65-A GN 0.13 MCIV
1420.0 3067960-XX-B, 3117690-XX-B (J)
TWIST_THC63-A

Glove Box - LED
J

X188-1 Power In Power
X188
INL52-A WH 0.35 FLRY
1064.0 3067960-XX-B, 3117690-XX-B (J)
X187
X187-3 Analog In Analog In
X187-1 Analog In Analog In
X187
INL51-A TN 0.35 FLRY
2298.0 3067960-XX-B, 3117690-XX-B (J)

Glove Box - Ajar Sensor
J

Glove Box - Latch
J

X186-1 High-Side Drive Anode
X186
INL53-A VT 0.50 FLRY
2163.0 3067960-XX-B, 3117690-XX-B (J)

Lateral Vanes Left
J

X559-4 Power In Duct Position 5v
X559-3 Motor Duct Open
X559-7 Motor Duct Close
X559
THC13-A GY 0.35 FLRY
1812.0 3067960-XX-B, 3117690-XX-B (J)
THC33-A YE 0.35 FLRY
1812.0 3067960-XX-B, 3117690-XX-B (J)
THC35-A WH 0.35 FLRY
1812.0 3067960-XX-B, 3117690-XX-B (J)

Lateral Vanes Right
J

X558-4 Power In Duct Position 5v
X558-3 Motor Duct Open
X558-7 Motor Duct Close
X558
THC15-A WH 0.35 FLRY
1044.0 3067960-XX-B, 3117690-XX-B (J)
THC36-A BN 0.35 FLRY
1044.0 3067960-XX-B, 3117690-XX-B (J)
THC38-A YE 0.35 FLRY
1044.0 3067960-XX-B, 3117690-XX-B (J)

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

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_UP
X052-47 Half-Bridge SEAT_FRONT_TILT_DOWN
X052-51 High-Side Drive SEAT_FRONT_HEAT_PAD_CUSHION
X052-52 High-Side Drive SEAT_FRONT_HEAT_PAD_BACKREST
X052-49 Half-Bridge SEAT_FRONT_LIFT_DOWN
X052-50 Half-Bridge SEAT_FRONT_LIFT_UP
X052

X053A-2 High-Side Drive MIRROR_HEAT
X053A-3 High-Side Drive MIRROR_DIM
X053A-1 Half-Bridge MIRROR_UNFOLD
X053A-14 Half-Bridge MIRROR_TILT_COMMON
X053A-15 Half-Bridge MIRROR_TILT_UP_DOWN
X053A-16 Half-Bridge MIRROR_TILT_LEFT_RIGHT
X053A-17 Half-Bridge MIRROR_FOLD
X053A-20 High-Side Drive MIRROR_TILT_POSITION_5V
X053A-18 High-Side Drive DOOR_FRONT_WINDOW_SWITCH_LED
X053A-35 Half-Bridge WINDOW_LIFT_FRONT_DOWN
X053A-34 Half-Bridge WINDOW_LIFT_FRONT_UP
X053A-19 High-Side Drive DOOR_FRONT_INTERIOR_HANDLE_SWITCH_LED
X053A-25 High-Side Drive DOOR_FRONT_EXTERIOR_HANDLE_SENSOR_5V
X053A

X053B-7 Half-Bridge DOOR_FRONT_LATCH_RELEASE
X053B-8 Half-Bridge DOOR_FRONT_LATCH_RESET
X053B-5 High-Side Drive DOOR_FRONT_LATCH_OPEN_PUDDLE_LED
X053B

X055-12 High-Side Drive FOOTWELL_LED_FRONT
X055-14 High-Side Drive HVAC_CABIN_TEMP_FAN
X055-13 Ground HVAC_CABIN_TEMP_FAN_GROUND
X055-33 Pass-through RESTRAINT_CONTROL_MODULE_PASSTHROUGH_2
X059-14 Pass-through RESTRAINT_CONTROL_MODULE_PASSTHROUGH_2
X055-15 High-Side Drive GLOVE_BOX_LED
X057-1 High-Side Drive RESTRAINT_CONTROL_MODULE
X057-2 High-Side Drive FRONT_EFUSE_LOCKOUT
X055-17 High-Side Drive GLOVE_BOX_LATCH_RELEASE
X057-14 High-Side Drive HV_CONTACTORS
X055-19 High-Side Drive HVAC_LEFT_VANE_POSITION_5V
X055-26 Half-Bridge HVAC_LEFT_VANE_DUCT_OPEN
X055-27 Half-Bridge HVAC_LEFT_VANE_DUCT_CLOSE
X057-26 High-Side Drive ULTRASONIC_SENSORS_FRONT
X055-2 High-Side Drive HVAC_RIGHT_VANE_POSITION_5V
X055-28 Half-Bridge HVAC_RIGHT_VANE_DUCT_OPEN
X055-29 Half-Bridge HVAC_RIGHT_VANE_DUCT_CLOSE
X055
X057

DCR55-A RD 0.35 FLRY
PMIRR 1916.0 3067963-XX-B (P)
DCR56-A BN 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)
DCR59-A BN 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)
DCR52-A BU 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)
DCR51-A VT 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)
DCR53-A WH 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)
DCR58-A YE 0.35 FLRY
PMIRR 1916.0 3067963-XX-B (P)
DCR60-A VT 0.13 MCIV
PMIRR 1916.0 3067963-XX-B (P)

DCR35-B GY 0.13 MCIV
RHD 1919.0 3067963-XX-B (P)

TWIST_DCR01-A
DCR02-A TN 1.50 FLRY
2239.0 3067963-XX-B (P)
DCR01-A RD 1.50 FLRY
2239.0 3067963-XX-B (P)
TWIST_DCR01-A

DCR42-A YE 0.13 MCIV
2253.0 3067963-XX-B (P)

DCR44-A GN 0.35 FLRY
1871.0 3067963-XX-B (P)

TWIST_DCR23-A
DCR23-A WH 0.50 FLRY
1749.0 3067963-XX-B (P)
DCR24-A GY 0.50 FLRY
1749.0 3067963-XX-B (P)
TWIST_DCR23-A

DCR21-A VT 0.35 FLRY
1771.0 3067963-XX-B (P)

+SRI97_B-A VT 0.35 FLRY
2678.0 3067960-XX-B, 3117690-XX-B (J)
+SRI97_A-B RD 0.35 FLRY
7162.0 3067955-XX-C (B)
X908M 15 15 X908F
+SRI97_A-A RD 0.35 FLRY
100.0 2567964-XX-B (W)

DAS01-A WH 0.35 FLRY
1150.0 2567964-XX-B (W)

HV Contactor Disconnect
W

+BMS02_A-A TN 1.00 FLRY
2033.0 2567964-XX-B (W)
X918F-1 HV Disconnect
X918M-1 HV Disconnect
+BMS02_B-A TN 1.00 FLRY
2451.0 2567964-XX-B (W)
X908F 12 12 X908M
BMS02_B-B TN 1.00 FLRY
5179.0 3067955-XX-C (B)

PKA01-G RD 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 10 10 X901F
PKA01-H RD 0.35 FLRY
576.0 2067958-XX-B (F)
Z1-PKA01
PKA01-D RD 0.35 FLRY
1403.0 2067958-XX-B (F)
PKA01-E RD 0.35 FLRY
556.0 2067958-XX-B (F)
PKA01-F RD 0.35 FLRY
1708.0 2067958-XX-B (F)
PKA01-C RD 0.35 FLRY
1100.0 2067958-XX-B (F)
PKA01-A RD 0.35 FLRY
278.0 2067958-XX-B (F)
PKA01-B RD 0.35 FLRY
253.0 2067958-XX-B (F)

PMIRR
Mirror Right Premium
P

X406-1 High-Side Drive Heater (+)
X406-14 High-Side Drive EC (+)
X406-10 Half-Bridge Fold (-), Unfold (+)
X406-8 Half-Bridge Motor Common
X406-9 Half-Bridge Motor Tilt (Up+, Down-)
X406-3 Half-Bridge Motor Pan (Left-, Right+)
X406-2 Half-Bridge Fold (+), Unfold (-)
X406-4 Vref Input Position Vref 5V
X406

RHD
Window Switch Driver Front Right
P

X395-5 Power In Illumination
X395

Window Lift Motor Front Right
P

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

Interior Open Switch Front Right
P

X396-2 PWM In Illumination
X396

Exterior Open Switch Front Right
P

X397-4 Power In Sensor Power
X397

Latch Front Right
P

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

Puddle LED Front Right
P

X401-1 Power In Power
X401

Restraints Controller
A,J X200 X201

X200-27 Power In PWR2
X200

Body Controller Front
W,U X021 X012 X011 X010 X01

X010-21 Signal In EFUSE_LOCKOUT
X010

HV Battery
B X006 X007 X098

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

Ultrasonic Sensor LIF
F

X132-1 Power In Power In
X132

Ultrasonic Sensor LOF
F

X131-1 Power In Power In
X131

Ultrasonic Sensor LSF
F

X130-1 Power In Power In
X130

Ultrasonic Sensor RIF
F

X133-1 Power In Power In
X133

Ultrasonic Sensor ROF
F

X134-1 Power In Power In
X134

Ultrasonic Sensor RSF
F

X135-1 Power In Power In
X135

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

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

PART NUMBER	REV	SHEET	SIZE
	7	33 OF 45	A0

1/1(A0 TESLA)

Inductive Charger
C
X694-C Ground
Ground
X694

USB Ports Front
C
X196B-B Ground
Ground
X196B-A Ground
Ground
X196B
G414-A BK 2.00 FLRY
1330.0 3067956-XX-B (C)
G404-A GY 2.00 FLRY
1305.0 3067956-XX-B (C)

USB Ports Rear
C
X195B-B Ground
Ground
X195B-A Ground
Ground
X195B
G406-B BK 2.00 FLRY
396.0 3067956-XX-B (C)

Center Console Rear Bin LED
C
X292-2 Analog In
Ground
X292
G405-A BK 0.35 FLRY
1272.0 3067956-XX-B (C)

Center Console Front Bin LED
C
X291-2 Ground Return
Ground
X291
G405-C BK 0.35 FLRY
689.0 3067956-XX-B (C)

Z1-G405

Security Controller
C
X492-2 Ground
Ground
X492
G405-B BK 0.35 FLRY
304.0 3067956-XX-B (C)

BLE Left B-Pillar
A
X493-2 Ground-Chassis
GND
X493
G407-A BK 0.35 FLRY
1496.0 4067954-XX-C (A)

2R Heat Pad Backrest Left
A
X676-1 Ground
Heater GND
X676
G609-A BK 0.50 FLRY
1329.0 4067954-XX-C (A)

Restraints Controller
A,J X200 X201
X201-55 Ground
GND
RHD X201-62 Analog In
RHD+
X201

LHD
Brake Pedal Switch (LHD)
A
X168-1 Power In
NO In
X168
+G193-A BK 0.35 FLRY
LHD 2480.0 4067954-XX-C (A)

2R Heat Pad Cushion
A
X686-12 Ground
Ground
X686
G608-A BK 1.50 FLRY
0.0 4067954-XX-C (A)

X981F 20 20 X981M
G410-A 2760.0 BK 0.35 FLRY 4067954-XX-C (A)
+G402_R-A 1189.0 BK 0.35 FLRY 4067954-XX-C (A) ***RHD***
+G403-A 1160.0 BK 0.35 FLRY 4067954-XX-C (A)
G405-D 1265.0 BK 0.50 FLRY 4067954-XX-C (A)
G409-A 1272.0 BK 2.00 FLRY 4067954-XX-C (A)
G405-E 308.0 BK 0.50 FLRY 3067956-XX-B (C)
X830M 7 X830F 7
X830M 14 X830F 14

PIN3 G031 1
PIN7 G031 1
PIN10 G031 1
PIN1 G031 1
PIN2 G031 1
PIN11 G031 1
PIN6 G031 1
PIN4 G031 1
PIN5 G031 1
G031_LE 1
G031

G400-A BK 3.00 FLRB
1406.0 4067954-XX-C (A)

Trailer Light Controller
A
G800-A BK 3.00 FLRB
5196.0 4067954-XX-C (A)
X041-1 Ground-Chassis
Ground
X041

Trunk Internal Illumination Left
A
G651-A BK 0.35 FLRY
1462.0 4067954-XX-C (A)
X296-2 Analog In
Ground
X296

BLE Rear
A
G601-A BK 0.35 FLRY
2574.0 4067954-XX-C (A)
X497-3 Ground-Chassis
GND
X497

Tail Light Body LH
A
X270-1 Ground
Ground
X270

Charge Port ECU
A X096 X688 X687
+G653-A BK 0.35 FLRY
2412.0 4067954-XX-C (A)
X096-9 Ground
GND
X096

Drive Unit Oil Pump Rear
X
X950M 12 12 X950F
G604-B BK 1.00 FLRY
1532.0 2067968-XX-B (X)
X092-3 Ground-Chassis
GND
X092

G652-A 332.0 BK 0.35 FLRY 4067954-XX-C (A)
G604-A 3160.0 BK 1.50 FLRY 4067954-XX-C (A)

G041_LE 1
PIN6 G041 1
PIN2 G041 1
PIN7 G041 1
PIN4 G041 1
PIN3 G041 1
G041

CAN Port
B
G036-A BK 0.50 FLRY
1492.0 3067955-XX-C (B)
X179-20 Ground
GND
X179

RADIO
Radio Tuner
B X562 X815 X818
G612-A BK 0.35 FLRY
RADIO 1972.0 3067955-XX-C (B)
X562-4 Ground-Chassis
Ground
X562

2R Heat Pad Backrest Right
B
G611-A BK 0.50 FLRY
1093.0 3067955-XX-C (B)
X677-1 Ground
Heater GND
X677

Drive Inverter Rear & Resolver
X X090 X091
X952M 14 14 X952F
G606-B BK 0.35 FLRY
1415.0 2067968-XX-B (X)
X090-13 Ground-Chassis
GND
X090

Tail Light Body RH
B
X272-1 Ground
Ground
X272

Trunk Internal Illumination Right
B
G603-A BK 0.35 FLRY
2286.0 3067955-XX-C (B)
X297-2 Analog In
Ground
X297

CHMSL
Q
X970M 7 7 X970F
G602-B BK 0.35 FLRY
1400.0 1068770-XX-D (Q)
X274-1 Ground
Ground
X274

BLE Right B-Pillar
B
G409-A BK 0.35 FLRY
1226.0 3067955-XX-C (B)
X494-2 Ground Return
GND
X494

HV Battery
B X006 X007 X098
+G408-A BK 0.75 FLRY
924.0 3067955-XX-C (B)
X098-9 Ground Return
VEH-12V-BAT-GND
X098

RHD
Brake Pedal Switch (RHD)
B
+G193_R-A BK 0.35 FLRY
RHD 2050.0 3067955-XX-C (B)
X168A-1 Power In
NO In
X168A

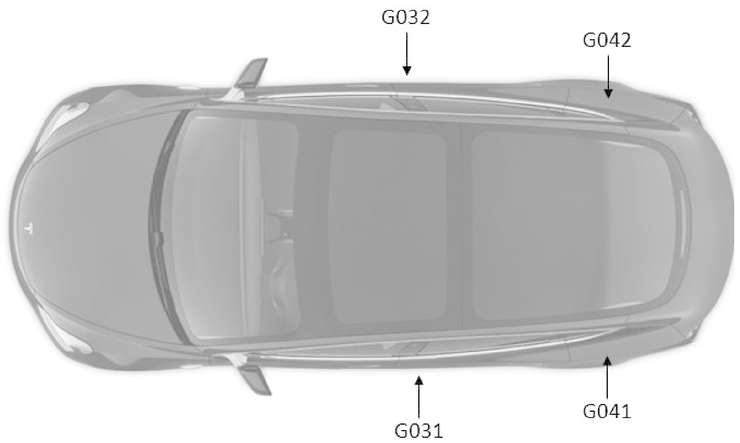
G606-A 2015.0 BK 0.50 FLRY 3067955-XX-C (B)
G605-A 3031.0 BK 0.35 FLRY 3067955-XX-C (B)
G602-A 1233.0 BK 0.35 FLRY 3067955-XX-C (B)

PAUDIO
Premium Amp Audio
B X560 X561 X563
X561-5 Ground Return
Gnd
X561

G300-A BK 3.00 FLRB
PAUDIO 2899.03067955-XX-C (B)
G300-B BK 3.00 FLRB
BAUDIO 2890.03067955-XX-C (B)
G691-A 332.0 GY 3.00 FLRB 3067955-XX-C (B) ***PAUDIO***

PIN8 G032 1
PIN9 G032 1
PIN4 G032 1
PIN3 G032 1
PIN5 G032 1
PIN10 G032 1
PIN12 G032 1
PIN2 G032 1
PIN1 G032 1
PIN6 G032 1
G032_LE 1
G032

G042 1
G042_A 1
G042_D 1
G042



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, Grounding Cabin

PART NUMBER	REV	SHEET	SIZE
	7	34 OF 45	A0

LHD
Glass Heater - Windshield (LHD)
W

X304-2 Ground-Chassis Common return — X304

G027-D BK 0.50 FLRY
LHD 1220.0 2567964-XX-C (W)

RHD
Glass Heater - Windshield (RHD)
W

X304A-2 Ground-Chassis Common return — X304A

G027-E BK 0.50 FLRY
RHD 2126.0 2567964-XX-C (W)

LHD
Wiper Motor (LHD)
W

X300-3 Ground Ground — X300

G006-A BK 2.50 FLRB
LHD 1142.0 2567964-XX-C (W)

RHD
Wiper Motor (RHD)
W

X300A-3 Ground-Chassis Ground — X300A

G006-B BK 2.50 FLRB
RHD 1962.0 2567964-XX-C (W)

HCU/ESP
W

X151-13 Ground GND_MR
X151-38 Ground GND_ECU — X151

G030-A BK 4 FLXB
626.0 2567964-XX-C (W)

G031-A BK 1.50 FLRY
626.0 2567964-XX-C (W)

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

X036-2 Ground Ground — X036

+G191-A BK 6.00 FLRB
611.0 2567964-XX-C (W)

AWD
Drive Unit Oil Pump Front
N

X095-3 Ground-Chassis END — X095

G020-B BK 1.00 FLRY
AWD 1351.0 1489051-XX-C (N)

Headlamp Left
W

X260-3 Ground-Chassis Ground — X260

G012-A BK 1.00 FLRY
439.0 2567964-XX-C (W)

Horn - Low Tone
W

X198-2 Ground Ground — X198

G029-A BK 1.00 FLRY
331.0 2567964-XX-C (W)

Horn - High Tone
W

X199-2 Ground Ground — X199

G028-A BK 1.00 FLRY
852.0 2567964-XX-C (W)

RHD
Windshield - Washer Pump & Level Sensor (RHD)
W

X301A-1 Ground Ground — X301A
X302A-A Ground Ground — X302A

G003-B BK 0.75 FLRY
RHD 1074.0 2567964-XX-C (W)

G002-B BK 0.50 FLRY
RHD 873.0 2567964-XX-C (W)

LHD
Windshield - Washer Pump & Level Sensor (LHD)
W

X301-1 Ground Ground — X301
X302-A Ground Ground — X302

G003-A BK 0.75 FLRY
LHD 1143.0 2567964-XX-C (W)

G002-A BK 0.50 FLRY
LHD 1143.0 2567964-XX-C (W)

AWD
Drive Inverter Front & Resolver
N X093 X094

X093-13 Ground-Chassis GND — X093

G019-B BK 0.50 FLRY
AWD 1282.0 1489051-XX-C (N)

X911M 8 — 8 X911F

Side Repeater DAS Left
W X268 X823

X268-2 Ground Return Ground — X268

G024-A BK 0.35 FLRY
1779.0 2567964-XX-C (W)

LHD
EPAS (LHD)
W X190 X191 X192 X193

X190-2 Ground-Chassis GND1 — X190
X191-2 Ground-Chassis GND2 — X191

G011-A BK 13 XR15
LHD 671.0 2567964-XX-C (W)

G013-A BK 13 XR15
LHD 582.0 2567964-XX-C (W)

RHD
EPAS (RHD)
W X190A X191A X192A X193A

X190A-2 Ground-Chassis GND1 — X190A
X191A-2 Ground-Chassis GND2 — X191A

G011-B BK 13 XR15
RHD 805.0 2567964-XX-C (W)

G013-B BK 13 XR15
RHD 821.0 2567964-XX-C (W)

G099 1
G098 1

X911M 9 — 9 X911F

BK 0.50 FLRY 2567964-XX-C (W)
G019-A ***AWD*** 459.0

BK 1.50 FLRY 2567964-XX-C (W)
G020-A ***AWD*** 570.0

G200-A BK 10.00 FLRB
482.0 2567964-XX-C (W)

PIN2 G011 1
PIN4 G011 1
PIN10 G011 1
PIN11 G011 1
PIN7 G011 1
PIN5 G011 1
PIN3 G011 1
PIN12 G011 1
PIN6 G011 1
PIN13 G011 1
PIN15 G011 1
PIN14 G011 1
PIN9 G011 1
PIN1 G011 1

G013 1

G011

REEU ***REEU***
Battery Backup Siren
L

X487-1 Ground-Chassis GND — X487
Size at pin: 0.35

G027-M BK 0.35 FLRY
REEU 271.0 2567961-XX-B (L)

Homelink ECU
L

X485-2 Ground-Chassis Ground-Chassis — X485
Size at pin: 0.35

G027-K BK 0.35 FLRY
230.0 2567961-XX-B (L)

Radar Front
L

X104-1 Ground-Chassis GND — X104
Size at pin: 0.35

G027-L BK 0.35 FLRY
291.0 2567961-XX-B (L)

Z2-G027

G027-P BK 1.00 FLRY
3690.0 2567961-XX-B (L)

X906M 1
X906F 1

HV Compressor, Heat Pump
UHP, W

X532-1 Ground Fault Ground — X532

THG02-A BK 4.00 FLRB
2481.0 2567964-XX-C (W)

G100-A BK 10.00 FLRB
494.0 2567964-XX-C (W)

G014 1

G027-B BK 1.00 FLRY
6700.0 2567964-XX-C (W)

G027-C BK 1.00 FLRY
5740.0 2567964-XX-C (W)

PIN1 G012 1
PIN8 G012 1
PIN15 G012 1
PIN6 G012 1
PIN9 G012 1
PIN2 G012 1
PIN7 G012 1
PIN14 G012 1
PIN13 G012 1
PIN11 G012 1
PIN12 G012 1
PIN3 G012 1

G012

+G018-A BK 4.00 FLRB
LHD 943.0 2567964-XX-C (W)

+G018-B BK 4.00 FLRB
RHD 1602.0 2567964-XX-C (W)

+G291-A BK 6.00 FLRB
1650.0 2567964-XX-C (W)

G027-W BK 1.00 FLRY
COLDW || FOG 1044.0 2067958-XX-B (F)

Z3-G027

G027-V BK 0.35 FLRY
FOG 995.0 2067958-XX-B (F)

G027-R BK 0.35 FLRY
FOG 836.0 2067958-XX-B (F)

G027-T BK 1.00 FLRY
COLDW || FOG 810.0 2067958-XX-B (F)

G027-F BK 0.35 FLRY
1581.0 2567964-XX-C (W)

X901F 16
X901M 16

+G007-A BK 0.35 FLRY
LHD 1186.0 2567964-XX-C (W)

+G007-B BK 0.35 FLRY
RHD 1492.0 2567964-XX-C (W)

G017-A BK 2.00 FLRY
LHD 1201.0 2567964-XX-C (W)

G014-A BK 2.00 FLRY
LHD 1102.0 2567964-XX-C (W)

G010-A BK 2.00 FLRY
LHD 1099.0 2567964-XX-C (W)

G009-A BK 2.00 FLRY
LHD 0.0 2567964-XX-C (W)

G017-B BK 2.00 FLRY
RHD 2836.0 2567964-XX-C (W)

G014-B BK 2.00 FLRY
RHD 2836.0 2567964-XX-C (W)

G010-B BK 2.00 FLRY
RHD 2883.0 2567964-XX-C (W)

G009-B BK 2.00 FLRY
RHD 0.0 2567964-XX-C (W)

G016-A BK 1.00 FLRY
449.0 2567964-XX-C (W)

LHD
iBooster & DTS (LHD)
W X150 X158 X159

X150-9 Ground Ground — X150

RHD
iBooster & DTS (RHD)
W X150A X158A X159A

X150A-9 Ground Ground — X150A

Body Controller Right
B,P,J,W

X056-2 Ground Ground — X056

FOG
Fascia Lamp Left
F

X262-3 Ground-Chassis Ground — X262

FOG
Fascia Lamp Right
F

X263-3 Ground-Chassis Ground — X263

Frunk Access Post
F

X356-1 Ground-Chassis Ground — X356

Side Repeater DAS Right
W X269 X824

X269-2 Ground Return Ground — X269

LHD
iBooster & DTS (LHD)
W X150 X158 X159

X159-1 Ground Ground — X159

RHD
iBooster & DTS (RHD)
W X150A X158A X159A

X159A-1 Ground Ground — X159A

LHD
MCU (LHD)
W,B

X170-11 Ground GND-AUDIO
X170-10 Ground GND-MAIN — X170

-49504 0.0 SI 20 BRDT

LHD
Autopilot ECU (LHD)
W,J,B

X120-18 Ground Ground
X120-17 Not Connected (SPARE) Ground — X120

Enclosure also grounded by braided strap

RHD
MCU (RHD)
W,B,A

X170A-11 Ground GND-AUDIO
X170A-10 Ground GND-MAIN — X170A

-49505 0.0 SI 20 BRDT

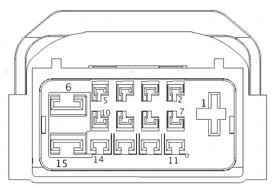
RHD
Autopilot ECU (RHD)
W,J,B

X120A-18 Ground Ground
X120A-17 Not Connected (SPARE) Ground — X120A

Headlamp Right
W

X261-3 Ground-Chassis Ground — X261

G011 & G012 ground JC



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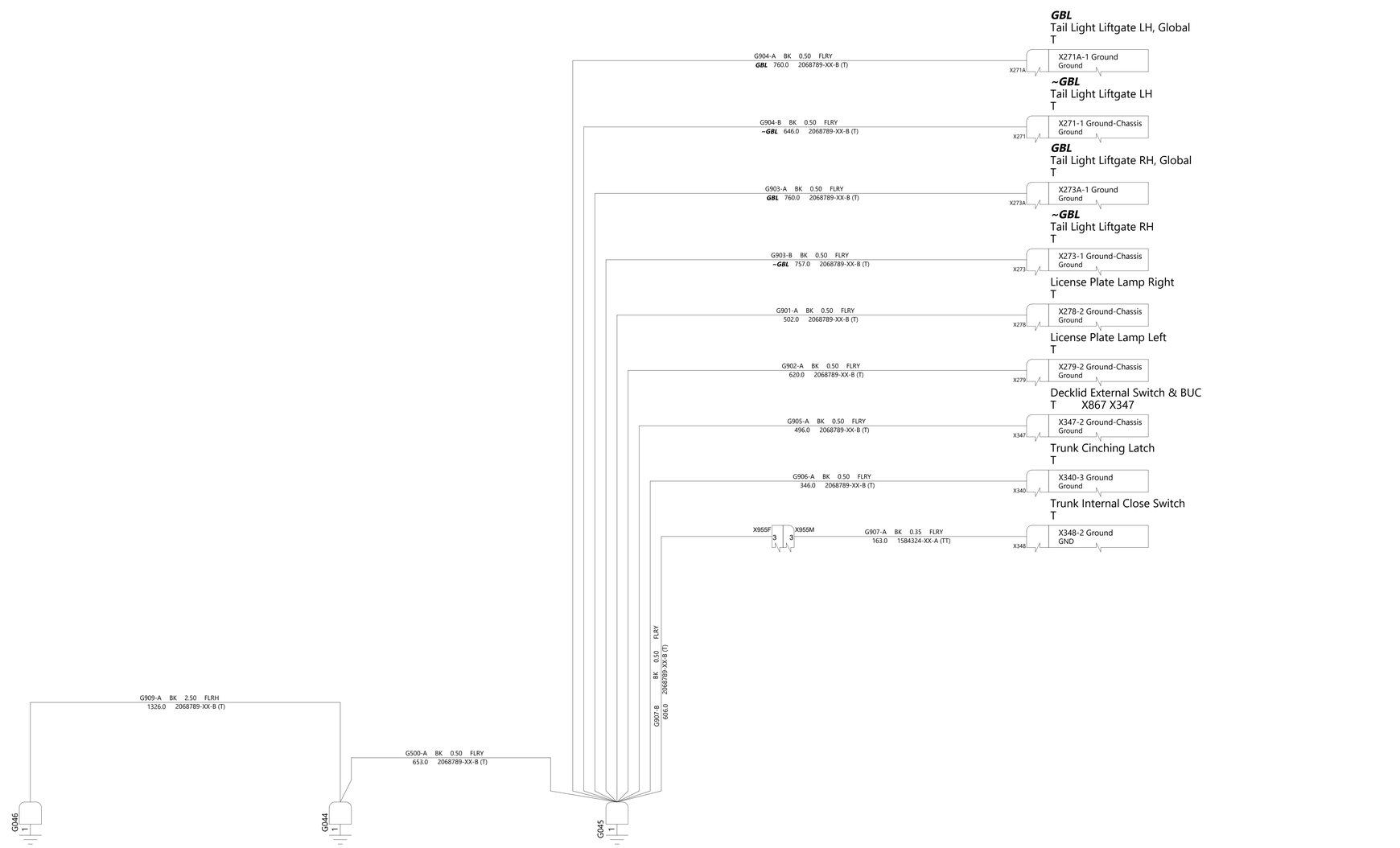
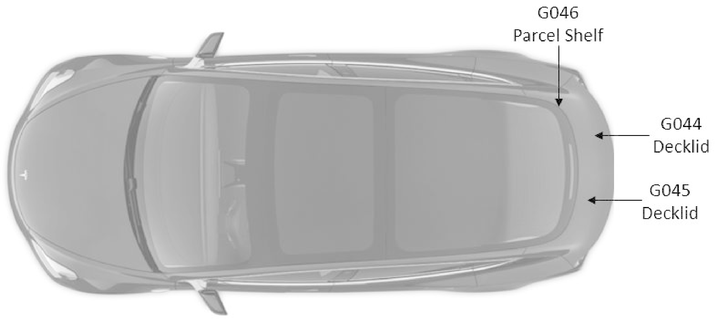
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, Grounding Frunk

PART NUMBER	REV	SHEET	SIZE
	7	35 OF 45	A0





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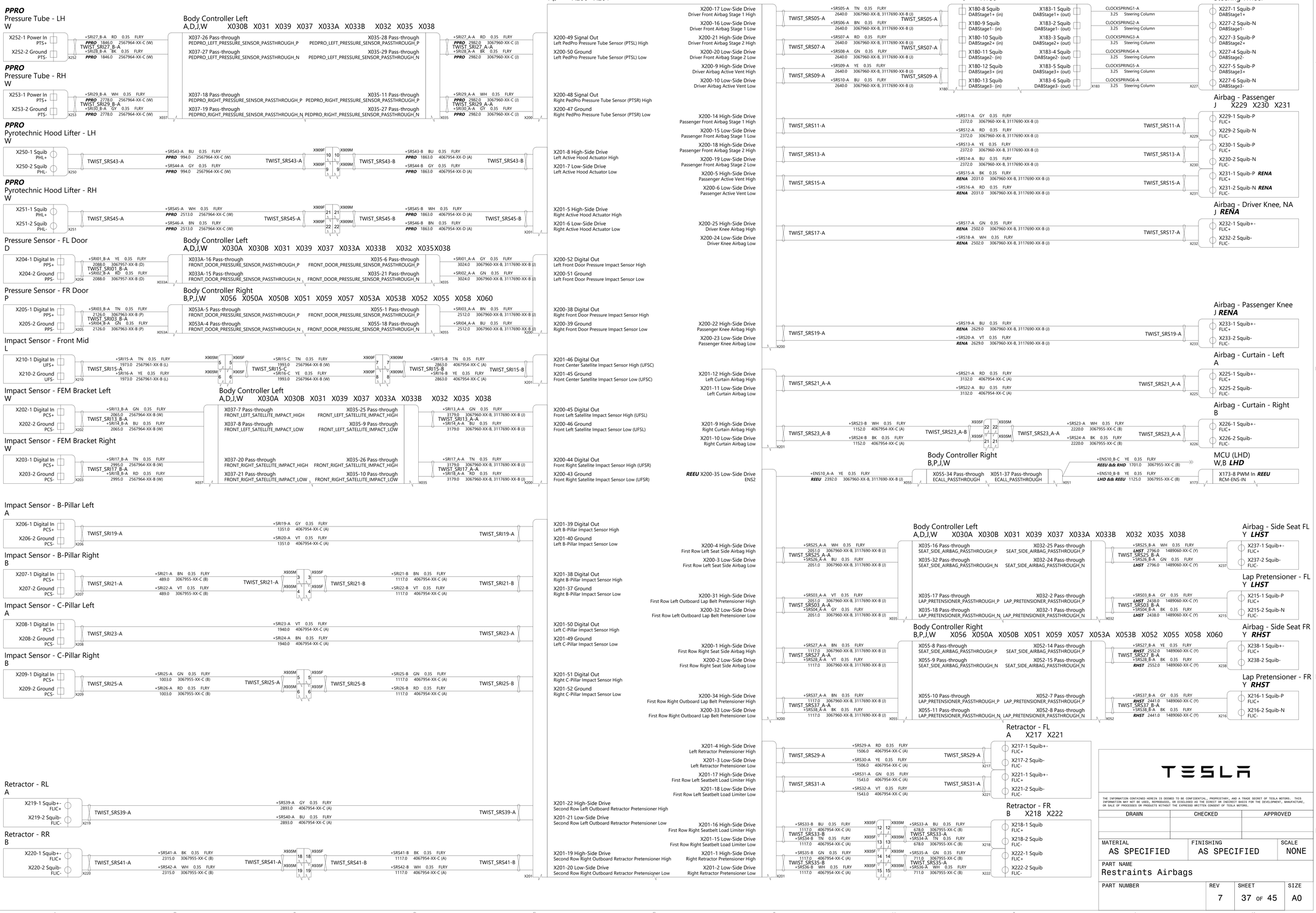
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, Grounding Trunk

PART NUMBER	REV	SHEET	SIZE
	7	36 OF 45	A0



Restraints Controller
A,J X200 X201
Steering Angle and Stalk ECU
J X180
Airbag - Driver Steering Wheel
PPRO
Pressure Tube - LH
W
Body Controller Left
A,D,J,W X030B X031 X039 X037 X033A X033B X032 X035 X038
PPRO
Pressure Tube - RH
W
PPRO
Pyrotechnic Hood Lifter - LH
W
PPRO
Pyrotechnic Hood Lifter - RH
W
Airbag - Passenger
J X229 X230 X231
Airbag - Driver Knee, NA
J RENA
Pressure Sensor - FL Door
D
Body Controller Left
A,D,J,W X030A X030B X031 X039 X037 X033A X033B X032 X035X038
Pressure Sensor - FR Door
P
Body Controller Right
B,P,J,W X056 X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060
Airbag - Passenger Knee
J RENA
Impact Sensor - Front Mid
L
Airbag - Curtain - Left
A
Impact Sensor - FEM Bracket Left
W
Body Controller Left
A,D,J,W X030A X030B X031 X039 X037 X033A X033B X032 X035 X038
Airbag - Curtain - Right
B
Impact Sensor - FEM Bracket Right
W
Body Controller Right
B,P,J,W
MCU (LHD)
W,B LHD
Impact Sensor - B-Pillar Left
A
Impact Sensor - B-Pillar Right
B
Body Controller Left
A,D,J,W X030A X030B X031 X039 X037 X033A X033B X032 X035 X038
Airbag - Side Seat FL
Y LHST
Lap Pretensioner - FL
Y LHST
Impact Sensor - C-Pillar Left
A
Body Controller Right
B,P,J,W X056 X050A X050B X051 X059 X057 X053A X053B X052 X055 X058 X060
Airbag - Side Seat FR
Y RHST
Impact Sensor - C-Pillar Right
B
Lap Pretensioner - FR
Y RHST
Retractor - FL
A X217 X221
Retractor - RL
A
Retractor - FR
B X218 X222
Retractor - RR
B
TESLA
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DRAWN
CHECKED
APPROVED
MATERIAL
AS SPECIFIED
FINISHING
AS SPECIFIED
SCALE
NONE
PART NAME
Restraints Airbags
PART NUMBER
REV
7
SHEET
37 OF 45
SIZE
A0

LHD
MCU (LHD)
W,B X170 X171 X172 X860 X802 X803 X804 X831 X173 X863 X850 X852

X803-1 Digital In
USB
X803
USB01-B BK USB COAX
LHD 1559.0 3067960-XX-B, 3117690-XX-B (J)
X875F 1 1 X875M
USB01-A BK USB COAX
LHD || RHD 1562.0 3067956-XX-B (C)
X805B
USB Ports Front
C
X805B-1 Analog In
USB 2.0 Data

X804-1 Coaxial
WIFI
X804
WIFI01-A BK D302 COAX
LHD 698.0 3067955-XX-C (B)
X828
Antenna - WiFi & LTE RH
B
X828-1 Coaxial
WIFI, BT

X802-2 Coaxial
LTE SECONDARY
LTE04-A BK D302 COAX
LHD 3676.0 3067955-XX-C (B)
X829
X829-1 Coaxial
LTE

X802-1 Coaxial
LTE PRIMARY
X802
LTE03-A BK D302 COAX
LHD 4205.0 3067955-XX-C (B)
X827
Antenna - WiFi & LTE LH
B
X827-1 Coaxial
LTE

X831-1 Coaxial
BLUETOOTH
X831
BTH02-A BK D302 COAX
LHD 4194.0 3067955-XX-C (B)
X826
X826-1 Coaxial
WIFI, BT

X860-1 High-Side Drive
12V0
DIS01-A RD 0.50 FLRY
LHD 1139.0 3067960-XX-B, 3117690-XX-B (J)
Center Display
J
X861-1 Power In
12V Power

X860-2 Ground
GND
DIS02-A BK 0.50 FLRY
LHD 1139.0 3067960-XX-B, 3117690-XX-B (J)
X861-2 Ground Return
Ground

X860-H Digital Out
Video Out to display
X860
DIS03-A BK HSD COAX
LHD 1139.0 3067960-XX-B, 3117690-XX-B (J)
X861
X861-H Digital In
Data

X852-1 Special
USB 3.0
X852
USB03-A BK TSC COAX
LHD 600.0 1565714-00-A (TSC)
X853
Glove Box USB Port
Z
X853-1 Signal In
Data

X850-H Ethernet2Wire
APE-BR-ETH
X850
ETH01-A BK HMTD COAX
LHD 160.0 2567964-XX-B (W)

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

X851-H Ethernet2Wire
APE-BR-ETH
X851
X885M 1 1 X885F
GPS01-A BK D302 COAX
LHD || RHD 1709.0 1068787-XX-D (V)
X834
Antenna - GPS
V
X834-1 Analog In
GPS IN

X801-1 Coaxial
GPS
X801
GPS01-B BK D302 COAX
LHD 918.0 3067955-XX-C (B)

X830-1 Coaxial
Back-up Camera
X830
X866M 1 1 X866F
BUC01-A BK D302 COAX
LHD || RHD 4134.0 2068789-XX-B (T)
X867
Decklid External Switch & BUC
T X347 X867
X867-1 Analog In
AdasBucPocSerialData5V0

BUC01-B BK D302 COAX
LHD 4169.0 3067955-XX-C (B)

X838-1 Coaxial
B-Pillar Camera - LHS
X822F 1 1 X822M
DAS80-B BK D302 COAX
LHD 3039.0 4067954-XX-C (A)
X816
B-Pillar Camera - Left
A
X816-1 Analog Out
AdasPocSerialData5v0

DAS80-A BK D302 COAX
LHD 3106.0 3067955-XX-C (B)

X838-2 Coaxial
B-Pillar Camera - RHS
X838
DAS81-A BK D302 COAX
LHD 3349.0 3067955-XX-C (B)
X817
B-Pillar Camera - Right
B
X817-1 Analog Out
AdasPocSerialData5v0

X881-1 Coaxial
Interior Camera
X881
X886F 4 4 X886M
DAS90-A BK D462 COAX
LHD || RHD 1716.0 1068787-XX-D (V)
X880
Interior Camera
V
X880-1 Coaxial
AdasInteriorCamPocSv0

DAS90-B BK D302 COAX
LHD 872.0 3067955-XX-C (B)

X890-1 Coaxial
Fish Eye Camera
X886F 1 1 X886M
DAS84-A BK D462 COAX
LHD || RHD 1709.0 1068787-XX-D (V)
X896
Triple Camera
V X896 X898
X896-1 Analog In
AdasTripleWidePocSerialData5v0

DAS84-B BK D302 COAX
LHD 929.0 3067955-XX-C (B)

X890-2 Coaxial
Narrow Camera
X886F 2 2 X886M
DAS85-A BK D462 COAX
LHD || RHD 929.0 1068787-XX-D (V)
X896-2 Analog In
AdasTripleNarrowPocSerialData5v0

DAS85-B BK D302 COAX
LHD 932.0 3067955-XX-C (B)

X891-1 Coaxial
Main Camera (Stereo B)
X891
X886F 3 3 X886M
DAS86-A BK D462 COAX
LHD || RHD 1711.0 1068787-XX-D (V)
X898
X898-1 Analog In
AdasTripleMainPocSerialData5v0

DAS86-B BK D302 COAX
LHD 882.0 3067955-XX-C (B)

X870-1 Coaxial
Repeater Camera - LHS
DAS82-A BK D302 COAX
LHD 2759.0 2567964-XX-B (W)
X823
Side Repeater DAS Left
W X268 X823
X823-1 Analog In
Coax

X870-2 Coaxial
Repeater Camera - RHS
X870
DAS83-A BK D302 COAX
LHD 1131.0 2567964-XX-B (W)
X824
Side Repeater DAS Right
W X269 X824
X824-1 Analog Out
Coax

RADIO
Radio Tuner
B X562 X815 X818

X818-1 Analog In
FM/DAB 2 IN
X818
FM01-A BK D302 COAX
RADIO 1760.0 1068770-XX-D (Q)
X845
RADIO
Antenna - FM/DAB
Q
X845-1 Analog In
FM/DAB 2 OUT

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
RF/Special Cables

PART NUMBER	REV	SHEET	SIZE
	7	38 OF 45	A0

RHD

MCU (RHD)

W,B,A X170A X171A X172A X860A X802A X803A X804A X831A X173A X863A X850A X852A

X803A-1 Digital In
USB
X803A

USB01-C BK USB COAX
RHD 1666.0 3067960-XX-B, 3117690-XX-B (J)

X875F 1 1 X875M

USB01-A BK USB COAX
LHD || RHD 1562.0 3067956-XX-B (C)

USB Ports Front
C
X805B
X805B-1 Analog In
USB 2.0 Data

X804A-1 Coaxial
WIFI
X804A

WIFI01_R-A BK D302 COAX
RHD 4311.0 3067955-XX-C (B)

Antenna - WiFi & LTE RH
B
X828
X828-1 Coaxial
WIFI, BT

X802A-2 Coaxial
LTE SECONDARY

LTE04-B BK D302 COAX
RHD 4297.0 3067955-XX-C (B)

X829
X829-1 Coaxial
LTE

X802A-1 Coaxial
LTE PRIMARY
X802A

LTE03-B BK D302 COAX
RHD 4826.0 3067955-XX-C (B)

Antenna - WiFi & LTE LH
B
X827
X827-1 Coaxial
LTE

X831A-1 Coaxial
BLUETOOTH
X831A

BTH02_R-A BK D302 COAX
RHD 4849.0 3067955-XX-C (B)

X826
X826-1 Coaxial
WIFI, BT

X860A-1 High-Side Drive
12V0

DIS01-B RD 0.50 FLRY
RHD 1139.0 3067960-XX-B, 3117690-XX-B (J)

Center Display
J
X861
X861-1 Power In
12V Power

X860A-2 Ground
GND

DIS02-B BK 0.50 FLRY
RHD 1139.0 3067960-XX-B, 3117690-XX-B (J)

X861-2 Ground Return
Ground

X860A-H Digital Out
Video Out to display
X860A

DIS03-B BK HSD COAX
RHD 1139.0 3067960-XX-B, 3117690-XX-B (J)

X861-H Digital In
Data

X852A-1 Special
USB 3.0
X852A

USB03-B
RHD 600.0 1565714-00-A (TSC)

Glove Box USB Port
Z
X853
X853-1 Signal In
Data

X850A-H Ethernet2Wire
APE-BR-ETH
X850A

ETH01-B BK HMTD COAX
RHD 160.0 2567964-XX-B (W)

RHD

Autopilot ECU (RHD)

W,J,B

X851A-H Ethernet2Wire
APE-BR-ETH
X851A

Antenna - GPS
V
X834
X834-1 Analog In
GPS IN

X801A-1 Coaxial
GPS
X801A

GPS01-C BK D302 COAX
RHD 1937.0 3067955-XX-C (B)

X885M 1 1 X885F

GPS01-A BK D302 COAX
LHD || RHD 1709.0 1068787-XX-D (V)

Decklid External Switch & BUC
T X347 X867
X867
X867-1 Analog In
AdasBucPocSerialData5V0

X830A-1 Coaxial
Back-up Camera
X830A

BUC01-C BK D302 COAX
RHD 4812.0 3067955-XX-C (B)

X866M 1 1 X866F

BUC01-A BK D302 COAX
LHD || RHD 4134.0 2068789-XX-B (T)

B-Pillar Camera - Left
A
X816
X816-1 Analog Out
AdasPocSerialData5v0

X838A-1 Coaxial
B-Pillar Camera - LHS

DAS80-C BK D302 COAX
RHD 2999.0 4067954-XX-C (A)

B-Pillar Camera - Right
B
X817
X817-1 Analog Out
AdasPocSerialData5v0

X838A-2 Coaxial
B-Pillar Camera - RHS
X838A

DAS81-C BK D302 COAX
RHD 2967.0 4067954-XX-C (A)

X822M 1 1 X822F

DAS81-B BK D302 COAX
RHD 1517.0 3067955-XX-C (B)

Interior Camera
V
X880
X880-1 Coaxial
AdasInteriorCamPoc5v0

X881A-1 Coaxial
Interior Camera
X881A

DAS90-C BK D302 COAX
RHD 1899.0 3067955-XX-C (B)

X886F 4 4 X886M

DAS90-A BK D462 COAX
LHD || RHD 1716.0 1068787-XX-D (V)

Triple Camera
V X896 X898
X896
X896-1 Analog In
AdasTripleWidePocSerialData5v0

X890A-1 Coaxial
Fish Eye Camera

DAS84-C BK D302 COAX
RHD 1921.0 3067955-XX-C (B)

X886F 1 1 X886M

DAS84-A BK D462 COAX
LHD || RHD 1709.0 1068787-XX-D (V)

X896-2 Analog In
AdasTripleNarrowPocSerialData5v0

X890A-2 Coaxial
Narrow Camera

DAS85-C BK D302 COAX
RHD 1921.0 3067955-XX-C (B)

X886F 2 2 X886M

DAS85-A BK D462 COAX
LHD || RHD 929.0 1068787-XX-D (V)

X898
X898-1 Analog In
AdasTripleMainPocSerialData5v0

X891A-1 Coaxial
Main Camera (Stereo B)
X891A

DAS86-C BK D302 COAX
RHD 1896.0 3067955-XX-C (B)

X886F 3 3 X886M

DAS86-A BK D462 COAX
LHD || RHD 1711.0 1068787-XX-D (V)

Side Repeater DAS Left
W X268 X823
X823
X823-1 Analog In
Coax

X870A-1 Coaxial
Repeater Camera - LHS

DAS82-B BK D302 COAX
RHD 1079.0 2567964-XX-B (W)

Side Repeater DAS Right
W X269 X824
X824
X824-1 Analog Out
Coax

X870A-2 Coaxial
Repeater Camera - RHS
X870A

DAS83-B BK D302 COAX
RHD 2517.0 2567964-XX-B (W)

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
RF/Special Cables, RHD

PART NUMBER	REV	SHEET	SIZE
	7	39 OF 45	A0

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

X032-31 High-Side Drive
SEAT_FRONT_HEAT_PAD_BACKREST
X032-26 Ground
SEAT_FRONT_HEAT_PAD_BACKREST_GROUND_RETURN

SCL13-A RD 0.50 FLRY
LHST 1746.0 1489060-XX-C (Y)
SCL14-A BU 0.50 FLRY
LHST 1746.0 1489060-XX-C (Y)

Heat Pad Backrest Front
Y
X616-2 Power In
Heat +12V
X616-1 Ground Return
Heat GND
X616

X032-32 High-Side Drive
SEAT_FRONT_HEAT_PAD_CUSHION
X032-48 Ground
SEAT_FRONT_HEAT_PAD_CUSHION_GROUND_RETURN
X032-22 Signal In
SEAT_FRONT_HEAT_PAD_CUSHION_TEMP

SCL15-A YE 0.50 FLRY
LHST 1766.0 1489060-XX-C (Y)
SCL16-A GN 0.50 FLRY
LHST 1766.0 1489060-XX-C (Y)
SCL17-A GY 0.35 FLRY
LHST 1766.0 1489060-XX-C (Y)

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 1489060-XX-C (Y)

X032-9 Half-Bridge
SEAT_FRONT_BACKREST_UP
X032-10 Half-Bridge
SEAT_FRONT_BACKREST_DOWN
X032-4 Signal In
SEAT_FRONT_BACKREST_ENCODER

TWIST_SCL09-A
SCL09-A YE 0.75 FLRY
LHST 2537.0 1489060-XX-C (Y)
SCL10-A BK 0.75 FLRY
LHST 2537.0 1489060-XX-C (Y)
SCL11-A TN 0.35 FLRY
LHST 2537.0 1489060-XX-C (Y)
TWIST_SCL09-A

Seat Backrest Pitch Front
Y
X613-1 Half-Bridge
Power (U+ = SEAT FORWARD, CW)
X613-3 Half-Bridge
Power (U+ = SEAT REARWARD, CCW)
X613-2 Hall Sensor Out
Hall Effect Signal
X613-4 Ground
Hall Effect Ground
X613
SCL80-E BK 0.35 FLRY
LHST 286.0 1489060-XX-C (Y)

X032-34 Half-Bridge
SEAT_FRONT_LIFT_DOWN
X032-33 Half-Bridge
SEAT_FRONT_LIFT_UP
X032-3 Signal In
SEAT_FRONT_LIFT_ENCODER

TWIST_SCL18-A
SCL18-A GN 0.75 FLRY
LHST 1841.0 1489060-XX-C (Y)
SCL19-A WH 0.75 FLRY
LHST 1841.0 1489060-XX-C (Y)
SCL20-A VT 0.35 FLRY
LHST 1841.0 1489060-XX-C (Y)
TWIST_SCL18-A

Lift Motor
Y
X618-3 Motor
Down
X618-1 Motor
Up
X618-2 Hall Sensor Out
Hall effect signal
X618-4 Ground
Hall effect ground
X618
SCL80-C BK 0.35 FLRY
LHST 281.0 1489060-XX-C (Y)

X032-6 Ground
SEAT_FRONT_SHARED_GROUND_RETURN

SCL80-F BK 0.35 FLRY
LHST 193.0 1489060-XX-C (Y)

Z1-SCL80

X032-12 Half-Bridge
SEAT_FRONT_TRACK_FORWARD
X032-13 Half-Bridge
SEAT_FRONT_TRACK_REVERSE
X032-5 Signal In
SEAT_FRONT_TRACK_ENCODER

TWIST_SCL23-A
SCL23-A BU 1.00 FLRY
LHST && PREMST 1939.0 1489060-XX-C (Y)
SCL24-A GY 1.00 FLRY
LHST && PREMST 1939.0 1489060-XX-C (Y)
SCL25-A WH 0.13 MCIV
LHST && PREMST 1939.0 1489060-XX-C (Y)
TWIST_SCL23-A

PREMST
Track Motor
Y
X614-1 Power In
Fore
X614-5 Power In
Aft
X614-2 Ground Return
Hall effect ground
X614-4 Hall Sensor Out
Hall effect signal
X614
SCL80-H BK 0.35 FLRY
LHST && PREMST 957.0 1489060-XX-C (Y)

X032-36 Half-Bridge
SEAT_FRONT_TILT_DOWN
X032-37 Half-Bridge
SEAT_FRONT_TILT_UP
X032-47 Signal In
SEAT_FRONT_TILT_ENCODER

TWIST_SCL40-A
SCL40-A YE 0.75 FLRY
LHST && PREMST 1791.0 1489060-XX-C (Y)
SCL41-A VT 0.75 FLRY
LHST && PREMST 1791.0 1489060-XX-C (Y)
SCL42-A TN 0.35 FLRY
LHST && PREMST 1791.0 1489060-XX-C (Y)
TWIST_SCL40-A

PREMST
Tilt Motor
Y
X621-1 Motor
Down
X621-3 Motor
Up
X621-4 Signal Out
Hall effect signal
X621-2 Ground
Hall effect ground
X621
SCL80-G BK 0.35 FLRY
LHST && PREMST 669.0 1489060-XX-C (Y)

X032-42 Signal In
SEAT_FRONT_LUMBAR_SWITCH
X032-44 Signal In
SEAT_FRONT_TRACK_BACKREST_SWITCH
X032-43 Signal In
SEAT_FRONT_LIFT_TILT_SWITCH

SCL26-A RD 0.13 MCIV
LHST && PREMST 2224.0 1489060-XX-C (Y)
SCL27-A YE 0.35 FLRY
LHST && PREMST 2224.0 1489060-XX-C (Y)
SCL28-A VT 0.13 MCIV
LHST && PREMST 2224.0 1489060-XX-C (Y)

PREMST
Seat Switchpack Front Left
YL
X631-3 Analog Out
Lumbar
X631-2 Analog Out
Track/Backrest
X631-4 Ground Return
Ground
X631-1 Analog Out
Lift/Tilt
X631
SCL80-I BK 0.35 FLRY
LHST && PREMST 892.0 1489060-XX-C (Y)

X032-27 Signal In
SEAT_FRONT_BUCKLE_SENSOR

SCL32-A YE 0.35 FLRY
LHST 2158.0 1489060-XX-C (Y)

LHST
Seatbelt Buckle Switch Front Left
Y
X610-1 Power In
Power In
X610-2 Ground Return
Ground Return
X610
SCL80-D BK 0.35 FLRY
LHST 500.0 1489060-XX-C (Y)

X032-41 Signal In
SEAT_FRONT_OCCUPANCY_SENSOR

SCL29-A TN 0.35 FLRY
LHST && SBR 1728.0 1489060-XX-C (Y)

SBR
Occupancy Sensor Front
Y
X622-1 Analog Out
Signal
X622-2 Ground Return
Return
X622
SCL80-B BK 0.35 FLRY
LHST && SBR 168.0 1489060-XX-C (Y)

X032-49 High-Side Drive
LUMBAR_ECU
X032-18 LIN
LUMBAR_ECU_LIN
X032

SCL01-A RD 0.35 FLRY
LHST && PREMST 2472.0 1489060-XX-C (Y)
SCL02-A BN 0.35 FLRY
LHST && PREMST 2472.0 1489060-XX-C (Y)

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
X619

SCL03-A TN 0.35 FLRY
LHST && PREMST 301.0 1489060-XX-C (Y)
SCL04-A BU 0.35 FLRY
LHST && PREMST 301.0 1489060-XX-C (Y)

PREMST
Lumbar
Y
X620-1 Power In
Power to Pump
X620-3 Ground Return
Ground
X620
SCL80-J BK 0.35 FLRY
LHST && PREMST 1673.0 1489060-XX-C (Y)

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Seats Front Left

PART NUMBER	REV	SHEET	SIZE
	7	40 OF 45	A0

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

X052-52 High-Side Drive
SEAT_FRONT_HEAT_PAD_BACKREST
X052-13 Ground
SEAT_FRONT_HEAT_PAD_BACKREST_GROUND

SCR13-A RD 0.50 FLRY
RHST 1749.0 1489060-XX-C (Y)
SCR14-A BU 0.50 FLRY
RHST 1749.0 1489060-XX-C (Y)

Heat Pad Backrest Front
Y
X616-2 Power In
Heat +12V
X616-1 Ground Return
Heat GND
X616

X052-51 High-Side Drive
SEAT_FRONT_HEAT_PAD_CUSHION
X052-35 Ground
SEAT_FRONT_HEAT_PAD_CUSHION_GROUND
X052-17 Signal In
SEAT_FRONT_HEAT_PAD_CUSHION_TEMP

SCR15-A YE 0.50 FLRY
RHST 1769.0 1489060-XX-C (Y)
SCR16-A GN 0.50 FLRY
RHST 1769.0 1489060-XX-C (Y)
SCR17-A GY 0.35 FLRY
RHST 1769.0 1489060-XX-C (Y)

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
SCR80-A BK 0.35 FLRY
RHST 181.0 1489060-XX-C (Y)

X052-30 Half-Bridge
SEAT_FRONT_BACKREST_UP
X052-29 Half-Bridge
SEAT_FRONT_BACKREST_DOWN
X052-5 Signal In
SEAT_FRONT_BACKREST_ENCODER
TWIST_SCR09-A

SCR09-A YE 0.75 FLRY
RHST 2540.0 1489060-XX-C (Y)
SCR10-A BK 0.75 FLRY
RHST 2540.0 1489060-XX-C (Y)
SCR11-A TN 0.35 FLRY
RHST 2540.0 1489060-XX-C (Y)

Seat Backrest Pitch Front
Y
X613-1 Half-Bridge
Power (U+ = SEAT FORWARD, CW)
X613-3 Half-Bridge
Power (U+ = SEAT REARWARD, CCW)
X613-2 Hall Sensor Out
Hall Effect Signal
X613-4 Ground
Hall Effect Ground
X613
SCR80-D BK 0.35 FLRY
RHST 286.0 1489060-XX-C (Y)

X052-49 Half-Bridge
SEAT_FRONT_LIFT_DOWN
X052-50 Half-Bridge
SEAT_FRONT_LIFT_UP
X052-6 Signal In
SEAT_FRONT_LIFT_ENCODER
TWIST_SCR18-A

SCR18-A GN 0.75 FLRY
RHST 1844.0 1489060-XX-C (Y)
SCR19-A WH 0.75 FLRY
RHST 1844.0 1489060-XX-C (Y)
SCR20-A VT 0.35 FLRY
RHST 1844.0 1489060-XX-C (Y)

Lift Motor
Y
X618-3 Motor
Down
X618-1 Motor
Up
X618-2 Hall Sensor Out
Hall effect signal
X618-4 Ground
Hall effect ground
X618
SCR80-B BK 0.35 FLRY
RHST 281.0 1489060-XX-C (Y)

X052-3 Ground
SEAT_FRONT_SHARED_GROUND

SCR80-E BK 0.35 FLRY
RHST 603.0 1489060-XX-C (Y)

Z1-SCR80

X052-27 Half-Bridge
SEAT_FRONT_TRACK_FORWARD
X052-26 Half-Bridge
SEAT_FRONT_TRACK_REVERSE
X052-4 Signal In
SEAT_FRONT_TRACK_ENCODER
TWIST_SCR23-A

SCR23-A BU 1.00 FLRY
PREMST && RHST 1942.0 1489060-XX-C (Y)
SCR24-A GY 1.00 FLRY
PREMST && RHST 1942.0 1489060-XX-C (Y)
SCR25-A WH 0.13 MCIV
PREMST && RHST 1942.0 1489060-XX-C (Y)

PREMST
Track Motor
Y
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
SCR80-G BK 0.35 FLRY
PREMST && RHST 566.0 1489060-XX-C (Y)

X052-47 Half-Bridge
SEAT_FRONT_TILT_DOWN
X052-46 Half-Bridge
SEAT_FRONT_TILT_UP
X052-36 Signal In
SEAT_FRONT_TILT_ENCODER
TWIST_SCR40-A

SCR40-A YE 0.75 FLRY
PREMST && RHST 1794.0 1489060-XX-C (Y)
SCR41-A VT 0.75 FLRY
PREMST && RHST 1794.0 1489060-XX-C (Y)
SCR42-A TN 0.35 FLRY
PREMST && RHST 1794.0 1489060-XX-C (Y)

PREMST
Tilt Motor
Y
X621-1 Motor
Down
X621-3 Motor
Up
X621-4 Signal Out
Hall effect signal
X621-2 Ground
Hall effect ground
X621
SCR80-F BK 0.35 FLRY
PREMST && RHST 133.0 1489060-XX-C (Y)

X052-41 Signal In
SEAT_FRONT_LUMBAR_SWITCH
X052-39 Signal In
SEAT_FRONT_TRACK_BACKREST_SWITCH
X052-40 Signal In
SEAT_FRONT_LIFT_TILT_SWITCH

SCR26-A RD 0.13 MCIV
PREMST && RHST 2227.0 1489060-XX-C (Y)
SCR27-A YE 0.35 FLRY
PREMST && RHST 2227.0 1489060-XX-C (Y)
SCR28-A VT 0.13 MCIV
PREMST && RHST 2227.0 1489060-XX-C (Y)

PREMST
Seat Switchpack Front Right
YR
X661-3 Analog Out
Lumbar
X661-2 Analog Out
Track/Backrest
X661-1 Analog Out
Lift/Tilt
X661-4 Ground Return
Ground
X661
SCR80-H BK 0.35 FLRY
PREMST && RHST 957.0 1489060-XX-C (Y)

X052-12 Signal In
SEAT_FRONT_BUCKLE_SENSOR

SCR32-A YE 0.35 FLRY
RHST 2164.0 1489060-XX-C (Y)

RHST
Seatbelt Buckle Switch Front Right
YR
X640-1 Power In
Power In
X640-2 Ground Return
Ground Return
X640
SCR80-C BK 0.35 FLRY
RHST 1673.0 1489060-XX-C (Y)

X052-42 Signal In
SEAT_FRONT_OCCUPANCY_SENSOR

SCR29-A TN 0.35 FLRY
RHST && SBR 1731.0 1489060-XX-C (Y)

SBR
Occupancy Sensor Front
Y
X622-1 Analog Out
Signal
X622-2 Ground Return
Return
X622
SCR80-J BK 0.35 FLRY
RHST && SBR 173.0 1489060-XX-C (Y)

X052-32 Signal In
SEAT_FRONT_TRACK_POSITION_SENSOR
X052-33 Ground
SEAT_FRONT_TRACK_POSITION_SENSOR_GROUND
TWIST_SRI07_A-A

+SRI07_A-A BN 0.35 FLRY
RHST && STPS 1877.0 1489060-XX-C (Y)
+SRI08_A-A WH 0.35 FLRY
RHST && STPS 1877.0 1489060-XX-C (Y)

STPS
Seat Track Position Sensor
Y
X624-2 Analog Out
Signal
X624-1 Ground Return
Return
X624

OCS
OCS
Y

X052-20 High-Side Drive
OCCUPANT_CLASSIFICATION_ECU
X052-44 CAN
CHASSIS_CAN_P
X052-45 CAN
CHASSIS_CAN_N
X052-22 Ground
OCCUPANT_CLASSIFICATION_ECU_GROUND
TWIST-CAN_CCH05_FRS-A

SCR30-A BU 0.13 MCIV
OCS && RHST 1721.0 1489060-XX-C (Y)
+CCH05_FRS-A GN 0.13 MCIV
OCS && RHST 1715.0 1489060-XX-C (Y)
+CCH06_FRS-A YE 0.13 MCIV
OCS && RHST 1715.0 1489060-XX-C (Y)
SCR31-A YE 0.13 MCIV
OCS && RHST 1721.0 1489060-XX-C (Y)

X652-4 Power In
Power
X652-2 CAN
CAN-H
X652-1 CAN
CAN-L
X652-3 Ground
Ground
X652

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
X619

X052-34 High-Side Drive
LUMBAR_ECU
X052-21 LIN
LUMBAR_ECU_LIN
X052

SCR01-A RD 0.35 FLRY
PREMST && RHST 2475.0 1489060-XX-C (Y)
SCR02-A BN 0.35 FLRY
PREMST && RHST 2475.0 1489060-XX-C (Y)

SCR03-A TN 0.35 FLRY
PREMST && RHST 301.0 1489060-XX-C (Y)
SCR04-A BU 0.35 FLRY
PREMST && RHST 301.0 1489060-XX-C (Y)

PREMST
Lumbar
Y
X620-1 Power In
Power to Pump
X620-3 Ground Return
Ground
X620
SCR80-I BK 0.35 FLRY
PREMST && RHST 892.0 1489060-XX-C (Y)

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Seats Front Right

PART NUMBER	REV	SHEET	SIZE
	7	41 OF 45	A0

11(A0 TESLA)

Body Controller Right

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

X051-40 Signal In
2R_SEAT_RIGHT_BUCKLE_SENSOR
X051

SCR104-A GN 0.35 FLRY
3030.0 3067955-XX-C (B)

X051-17 High-Side Drive
2R_SEAT_RIGHT_HEAT_PAD_BACKREST
X051

SCR105-A BN 0.50 FLRY
2676.0 3067955-XX-C (B)

X050A-29 Ground
2R_SEAT_SHARED_GROUND
X050A

SCR800-A BK 0.35 FLRY
3020.0 3067955-XX-C (B)

2R Seatbelt Buckle Switch Right
B

X674

X674-1 Hall Sensor In	X674-2 Hall Sensor Out
SBS+	SBS-

X674

2R Heat Pad Backrest Right
B

X677

X677-2 Power In	X677-1 Ground
Heater + 12V	Heater GND

X677

G611-A BK 0.50 FLRY
1093.0 3067955-XX-C (B)

Body Controller Left

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

X030B-7 Signal In
2R_SEAT_LEFT_BUCKLE_SENSOR
X030B

SCL107-A GN 0.35 FLRY
2994.0 4067954-XX-C (A)

X030A-19 Signal In
2R_SEAT_CENTER_BUCKLE_SENSOR
X030A

SCL108-B YE 0.35 FLRY
2791.0 4067954-XX-C (A)

X935F 20 20 X935M

SCL108-A YE 0.35 FLRY
1639.0 3067955-XX-C (B)

X039-8 Ground
2R_SEAT_SHARED_GROUND_RETURN
X039

SCL803-B BK 0.35 FLRY
2657.0 4067954-XX-C (A)

X935F 11 11 X935M

SCL803-A BK 0.35 FLRY
1639.0 3067955-XX-C (B)

X030A-32 High-Side Drive
2R_SEAT_LEFT_BACKREST_HEAT

SCL109-A RD 0.50 FLRY
2677.0 4067954-XX-C (A)

X030A-31 High-Side Drive
2R_SEAT_LEFT_CUSHION_HEAT
X030A

SCL110-A GN 0.50 FLRY
2445.0 4067954-XX-C (A)

X031-27 Signal In
2R_SEAT_LEFT_CUSHION_TEMP
X031

SCL115-A WH 0.35 FLRY
2373.0 4067954-XX-C (A)

X030A-30 High-Side Drive
2R_SEAT_CENTER_CUSHION_HEAT
X030A

SCL111-A GY 0.50 FLRY
2445.0 4067954-XX-C (A)

X031-28 Signal In
2R_SEAT_CENTER_CUSHION_TEMP
X031

SCL116-A YE 0.35 FLRY
2373.0 4067954-XX-C (A)

X030A-29 High-Side Drive
2R_SEAT_RIGHT_CUSHION_HEAT
X030A

SCL112-A VT 0.50 FLRY
2445.0 4067954-XX-C (A)

X031-26 Signal In
2R_SEAT_RIGHT_CUSHION_TEMP
X031

SCL117-A BU 0.35 FLRY
2411.0 4067954-XX-C (A)

X039-2 Ground
2R_SEAT_RIGHT_CUSHION_TEMP_GROUND
X039

SCL800-A GY 0.35 FLRY
2349.0 4067954-XX-C (A)

X031-6 Signal In
2R_SEAT_LEFT_OCCUPANCY_SENSOR

SCL113-A BN 0.35 FLRY
2398.0 4067954-XX-C (A)

X031-16 Signal In
2R_SEAT_CENTER_OCCUPANCY_SENSOR
X031

SCL118-A GN 0.35 FLRY
2398.0 4067954-XX-C (A)

X030A-5 Signal In
2R_SEAT_RIGHT_OCCUPANCY_SENSOR
X030A

SCL114-A RD 0.35 FLRY
2470.0 4067954-XX-C (A)

X031-41 Ground
2R_OCCUPANCY_SENSOR_RETURN

SCL802-A BK 0.35 FLRY
2398.0 4067954-XX-C (A)

X031-40 Ground
2R_SEAT_LEFT_BUCKLE_SENSOR_RETURN
X031

SCL801-A GY 0.35 FLRY
2945.0 4067954-XX-C (A)

2R Seatbelt Buckle Switch Left
A

X673

X673-1 Hall Sensor In	X673-2 Hall Sensor Out
SBS+	SBS-

X673

2R Seatbelt Buckle Switch Center
B

X675

X675-1 Hall Sensor In	X675-2 Hall Sensor Out
SBS+	SBS-

X675

2R Heat Pad Backrest Left
A

X676

X676-2 Power In	X676-1 Ground
Heater + 12V	Heater GND

X676

G609-A BK 0.50 FLRY
1329.0 4067954-XX-C (A)

2R Heat Pad Cushion
A

X686

X686-1 Power In	X686-12 Ground
Heater +12V LH	Ground
X686-7 Analog Out	X686-10 Ground
NTC + LH	NTC -
X686-2 Power In	
Heater +12V CTR	
X686-8 Analog Out	
NTC + CTR	
X686-3 Power In	
Heater +12V RH	
X686-9 Analog Out	
NTC + RH	

X686

G608-A BK 1.50 FLRY
0.0 4067954-XX-C (A)

2R Occupancy Sensor
A

X685

X685-1 Analog Out	X685-4 Ground
Left Occupant Switch	Ground
X685-2 Analog Out	
Center Occupant Switch	
X685-3 Analog Out	
Right Occupant Switch	

X685

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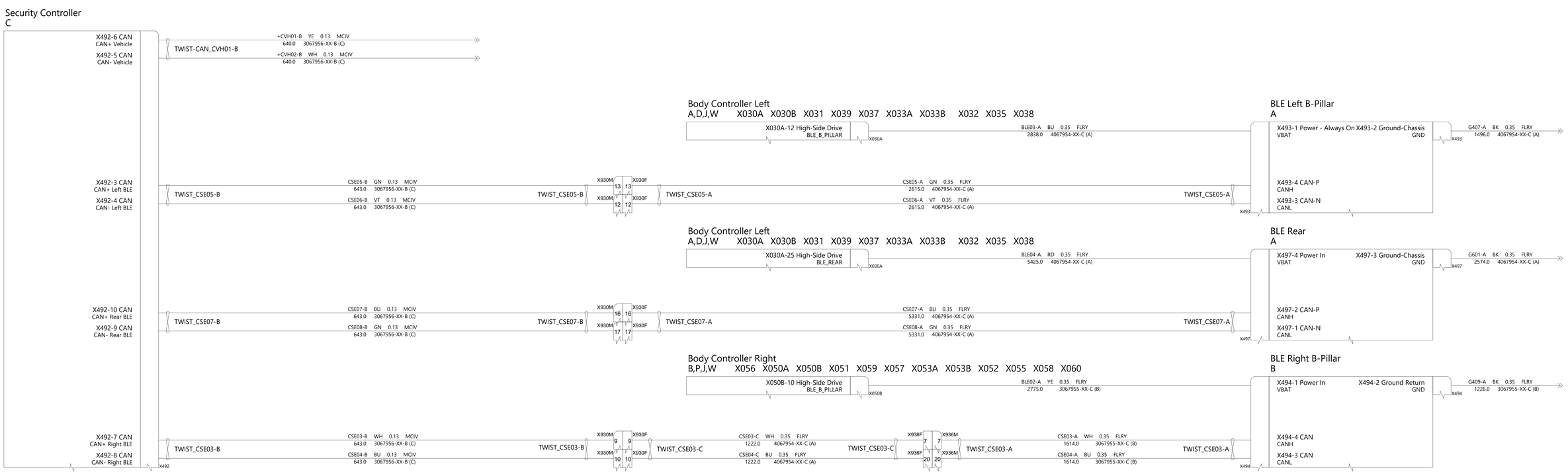
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Seats Second Row

PART NUMBER	REV	SHEET	SIZE
	7	42 OF 45	A0

11(A0 TESLA)



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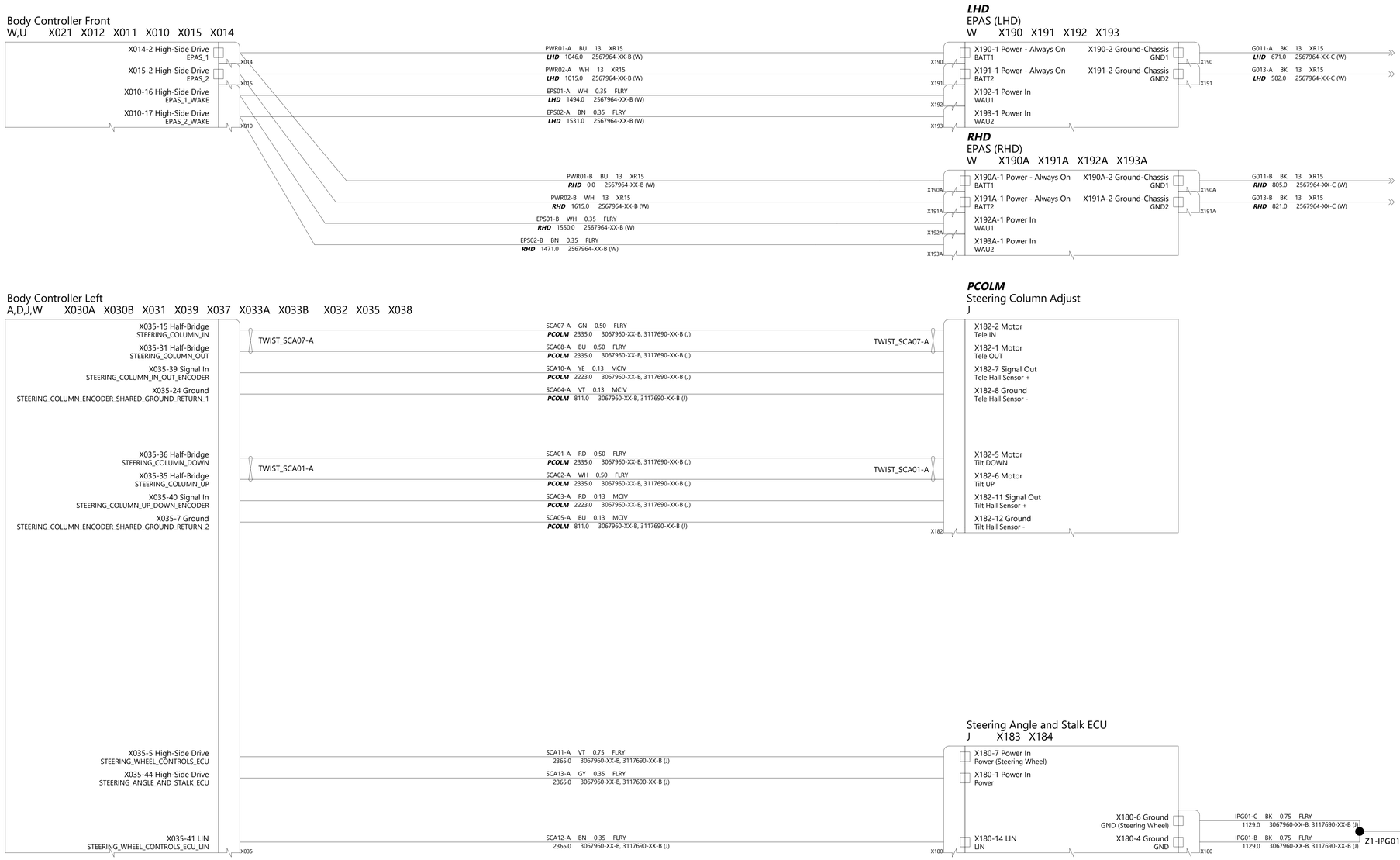
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Security Controls

PART NUMBER	REV	SHEET	SIZE
	7	43 OF 45	A0



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Steering

PART NUMBER	REV	SHEET	SIZE
	7	44 OF 45	A0

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

X057-3 LIN
ULTRASONIC_SENSOR_COMM_1
PKA11-B BN 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 2 — X901F 2
PKA11-A BN 0.35 FLRY
2274.0 2067958-XX-B (F)
PKA01-F RD 0.35 FLRY
1708.0 2067958-XX-B (F)
PKA02-F YE 0.35 FLRY
1768.0 2067958-XX-B (F)
X130
Ultrasonic Sensor LSF F
X130-1 Power In
Power In
X130-2 LIN
LIN
X130-3 Ground Return
Ground Return

X057-4 LIN
ULTRASONIC_SENSOR_COMM_2
PKA12-B BU 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 3 — X901F 3
PKA12-A BU 0.35 FLRY
1969.0 2067958-XX-B (F)
PKA01-E RD 0.35 FLRY
556.0 2067958-XX-B (F)
PKA02-E YE 0.35 FLRY
496.0 2067958-XX-B (F)
X131
Ultrasonic Sensor LOF F
X131-1 Power In
Power In
X131-2 LIN
LIN
X131-3 Ground Return
Ground Return

X057-17 LIN
ULTRASONIC_SENSOR_COMM_3
PKA13-B GN 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 4 — X901F 4
PKA13-A GN 0.35 FLRY
1666.0 2067958-XX-B (F)
PKA01-D RD 0.35 FLRY
1403.0 2067958-XX-B (F)
PKA02-D YE 0.35 FLRY
1463.0 2067958-XX-B (F)
X132
Ultrasonic Sensor LIF F
X132-1 Power In
Power In
X132-2 LIN
LIN
X132-3 Ground Return
Ground Return

X057-26 High-Side Drive
ULTRASONIC_SENSORS_FRONT
PKA01-G RD 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 10 — X901F 10
PKA01-H RD 0.35 FLRY
576.0 2067958-XX-B (F)
Z1-PKA01
X057-6 Ground
ULTRASONIC_SENSORS_FRONT_GROUND
PKA02-G YE 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 15 — X901F 15
PKA02-H YE 0.35 FLRY
516.0 2067958-XX-B (F)
Z1-PKA02
PKA01-C RD 0.35 FLRY
1100.0 2067958-XX-B (F)
PKA02-C YE 0.35 FLRY
1160.0 2067958-XX-B (F)
X133
Ultrasonic Sensor RIF F
X133-1 Power In
Power In
X133-2 LIN
LIN
X133-3 Ground Return
Ground Return

X057-18 LIN
ULTRASONIC_SENSOR_COMM_4
PKA14-B WH 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 5 — X901F 5
PKA14-A WH 0.35 FLRY
844.0 2067958-XX-B (F)
PKA01-A RD 0.35 FLRY
278.0 2067958-XX-B (F)
PKA02-A YE 0.35 FLRY
338.0 2067958-XX-B (F)
X134
Ultrasonic Sensor ROF F
X134-1 Power In
Power In
X134-2 LIN
LIN
X134-3 Ground Return
Ground Return

X057-19 LIN
ULTRASONIC_SENSOR_COMM_5
PKA15-B GY 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 6 — X901F 6
PKA15-A GY 0.35 FLRY
516.0 2067958-XX-B (F)
PKA01-B RD 0.35 FLRY
253.0 2067958-XX-B (F)
PKA02-B YE 0.35 FLRY
193.0 2067958-XX-B (F)
X135
Ultrasonic Sensor RSF F
X135-1 Power In
Power In
X135-2 LIN
LIN
X135-3 Ground Return
Ground Return

X057-16 LIN
ULTRASONIC_SENSOR_COMM_6
X057
PKA16-B VT 0.35 FLRY
1822.0 2567964-XX-B (W)
X901M 7 — X901F 7
PKA16-A VT 0.35 FLRY
443.0 2067958-XX-B (F)

X050A-17 LIN
ULTRASONIC_SENSOR_COMM_7
PKA31-B YE 0.35 FLRY
4629.0 3067955-XX-C (B)
X949M 3 — X949F 3
PKA31-A YE 0.35 FLRY
1062.0 1067959-XX-A (G)
PKA21-E RD 0.35 FLRY
1190.0 1067959-XX-A (G)
PKA22-E BK 0.35 FLRY
1130.0 1067959-XX-A (G)
X145
Ultrasonic Sensor RSR G
X145-1 Power In
Power In
X145-2 LIN
LIN
X145-3 Ground Return
Ground Return

X050A-15 LIN
ULTRASONIC_SENSOR_COMM_8
PKA32-B TN 0.35 FLRY
4629.0 3067955-XX-C (B)
X949M 6 — X949F 6
PKA32-A TN 0.35 FLRY
566.0 1067959-XX-A (G)
PKA21-A RD 0.35 FLRY
293.0 1067959-XX-A (G)
PKA22-A BK 0.35 FLRY
233.0 1067959-XX-A (G)
X144
Ultrasonic Sensor ROR G
X144-1 Power In
Power In
X144-2 LIN
LIN
X144-3 Ground Return
Ground Return

X050A-3 LIN
ULTRASONIC_SENSOR_COMM_9
X050A
PKA33-B GN 0.35 FLRY
4629.0 3067955-XX-C (B)
X949M 4 — X949F 4
PKA33-A GN 0.35 FLRY
421.0 1067959-XX-A (G)
PKA21-B RD 0.35 FLRY
271.0 1067959-XX-A (G)
PKA22-B BK 0.35 FLRY
331.0 1067959-XX-A (G)
X143
Ultrasonic Sensor RIR G
X143-1 Power In
Power In
X143-2 LIN
LIN
X143-3 Ground Return
Ground Return

X051-45 High-Side Drive
ULTRASONIC_SENSORS_REAR
PKA21-G RD 0.35 FLRY
4629.0 3067955-XX-C (B)
X949M 1 — X949F 1
PKA21-H RD 0.35 FLRY
511.0 1067959-XX-A (G)
Z3-PKA21
X051-44 Ground
ULTRASONIC_SENSORS_REAR_GROUND
X051
PKA22-G BK 0.35 FLRY
4629.0 3067955-XX-C (B)
X949M 8 — X949F 8
PKA22-H BK 0.35 FLRY
451.0 1067959-XX-A (G)
Z4-PKA22
PKA21-C RD 0.35 FLRY
694.0 1067959-XX-A (G)
PKA22-C BK 0.35 FLRY
634.0 1067959-XX-A (G)
X142
Ultrasonic Sensor LIR G
X142-1 Power In
Power In
X142-2 LIN
LIN
X142-3 Ground Return
Ground Return

X050A-5 LIN
ULTRASONIC_SENSOR_COMM_10
PKA34-B WH 0.35 FLRY
4629.0 3067955-XX-C (B)
X949M 2 — X949F 2
PKA34-A WH 0.35 FLRY
772.0 1067959-XX-A (G)
PKA01-D RD 0.35 FLRY
668.0 1067959-XX-A (G)
PKA22-D BK 0.35 FLRY
728.0 1067959-XX-A (G)
X141
Ultrasonic Sensor LOR G
X141-1 Power In
Power In
X141-2 LIN
LIN
X141-3 Ground Return
Ground Return

X050A-4 LIN
ULTRASONIC_SENSOR_COMM_11
PKA35-B GY 0.35 FLRY
4629.0 3067955-XX-C (B)
X949M 7 — X949F 7
PKA35-A GY 0.35 FLRY
1169.0 1067959-XX-A (G)
PKA21-F RD 0.35 FLRY
1163.0 1067959-XX-A (G)
PKA22-F BK 0.35 FLRY
1223.0 1067959-XX-A (G)
X140
Ultrasonic Sensor LSR G
X140-1 Power In
Power In
X140-2 LIN
LIN
X140-3 Ground Return

X050A-16 LIN
ULTRASONIC_SENSOR_COMM_12
X050A
PKA36-B VT 0.35 FLRY
4629.0 3067955-XX-C (B)
X949M 5 — X949F 5
PKA36-A VT 0.35 FLRY
1664.0 1067959-XX-A (G)

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Ultrasonics

PART NUMBER	REV	SHEET	SIZE
	7	46 OF 46	A0

1/1(A0 TESLA)