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Table 1: Abbreviations

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

Table 2: Harness Designators

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

Table 3: Wire Color Designators

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

Table 4: Wire Type Designators

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

General Notes:

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

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

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

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

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

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

TERMINAL PLATING

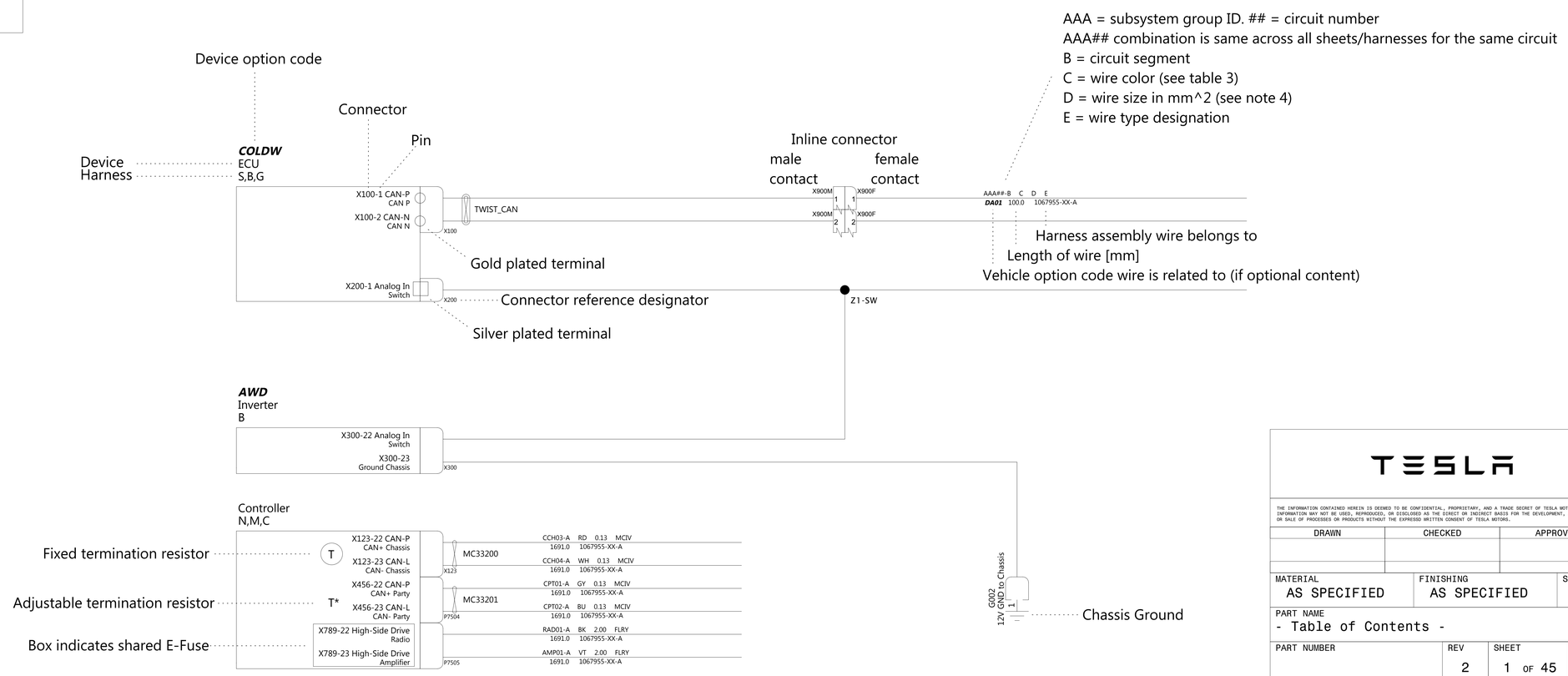
○ GOLD TERMINAL NECESSARY

□ SILVER PLATING NECESSARY

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

Table 5: Option Codes

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



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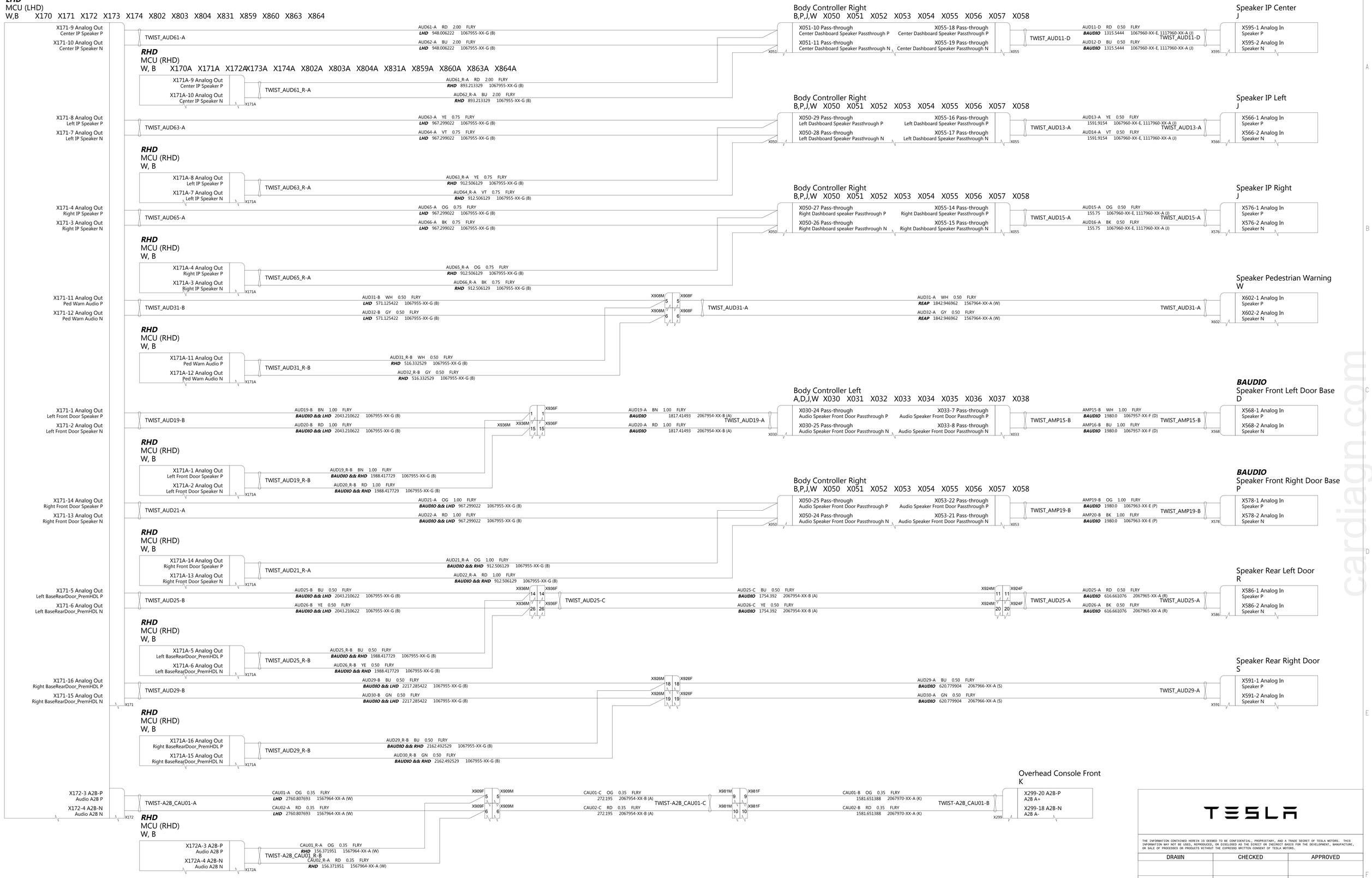
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
- Table of Contents -

PART NUMBER	REV	SHEET	SIZE
	2	1 OF 45	A0

cardiagn.com



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MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Audio, Base

PART NUMBER	REV	SHEET	SIZE
	2	2 OF 45	A0

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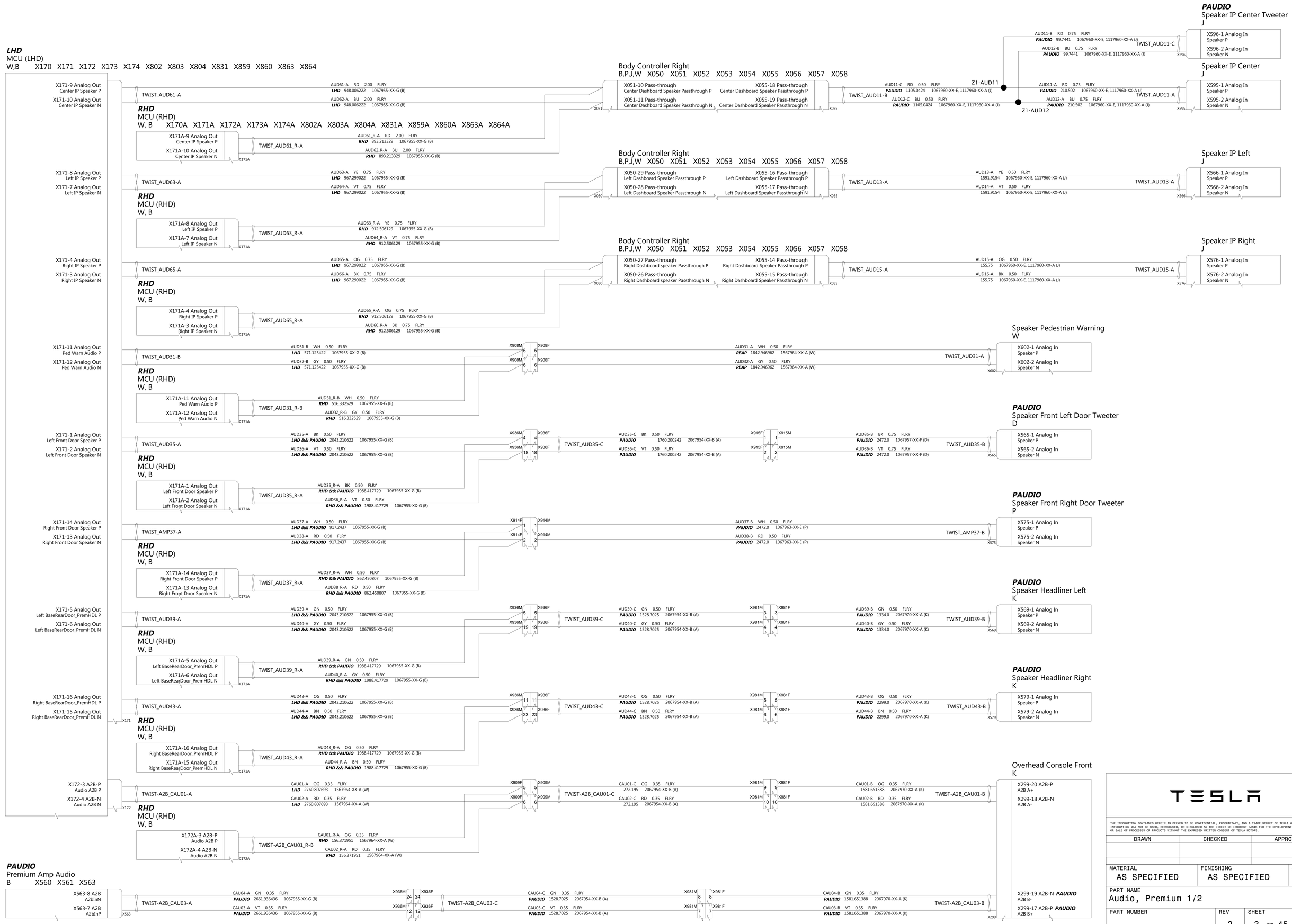

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MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Audio, Premium 1/2

PART NUMBER	REV	SHEET	SIZE
	2	3 OF 45	A0

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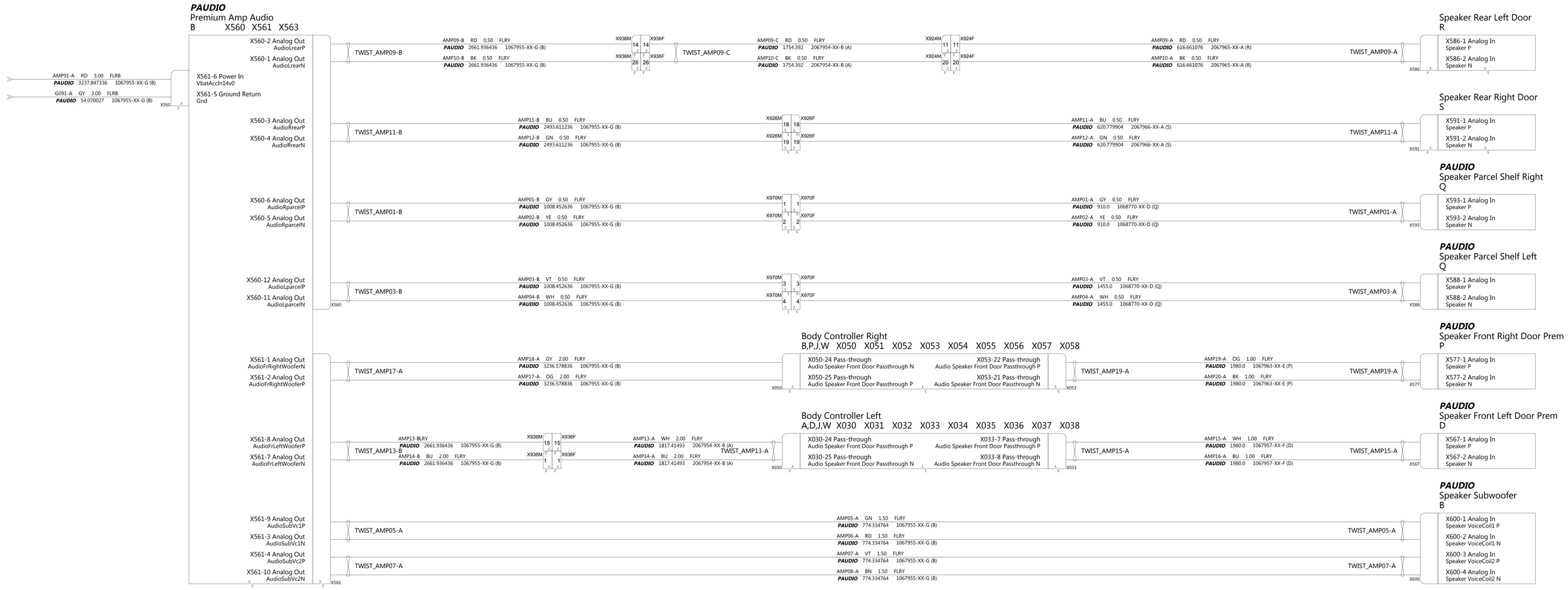

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MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Audio, Premium 2/2

PART NUMBER	REV	SHEET	SIZE
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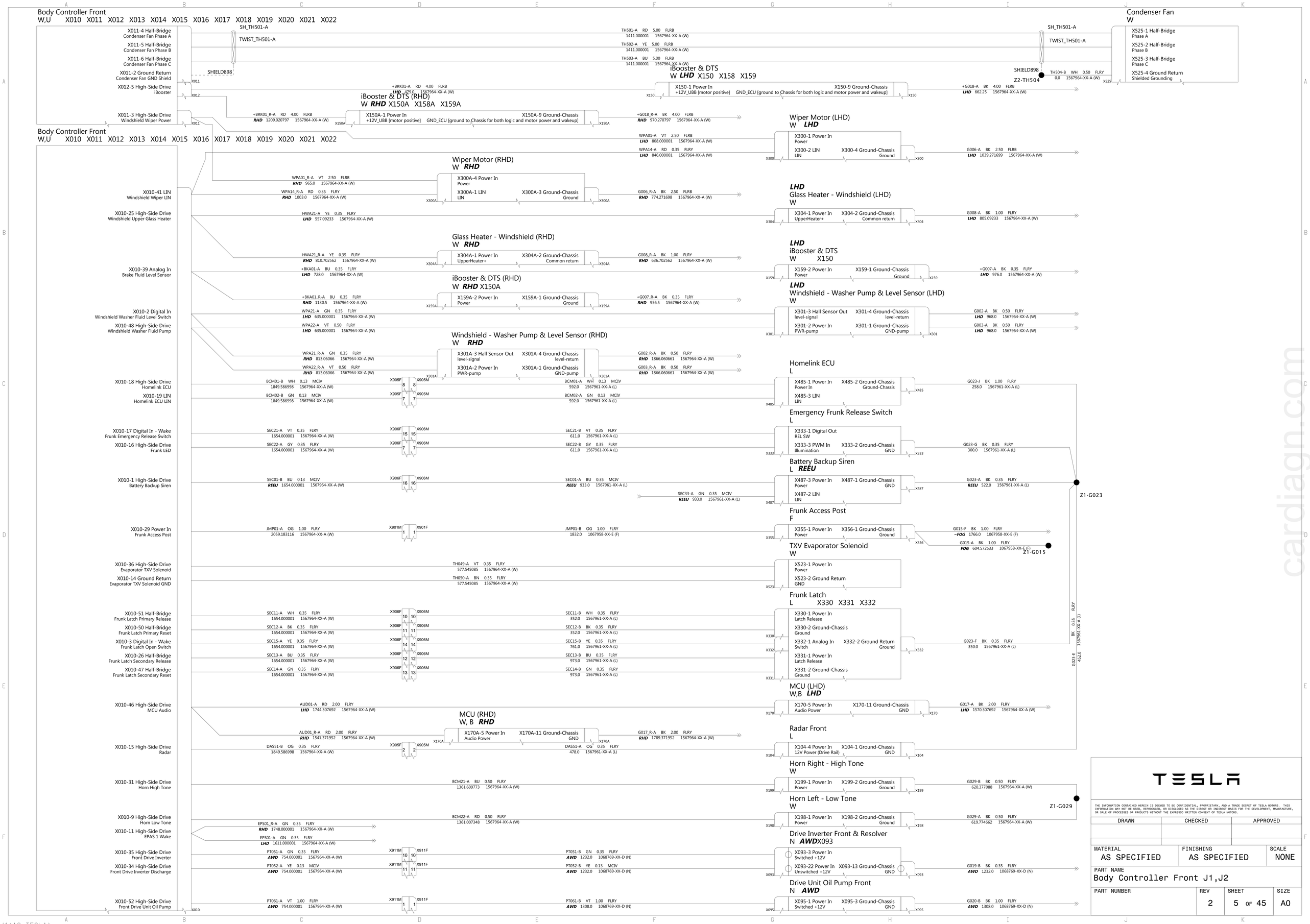
Body Controller Front
W,U X010 X011 X012 X013 X014 X015 X016 X017 X018 X019 X020 X021 X022
X011-4 Half-Bridge Condenser Fan Phase A
X011-5 Half-Bridge Condenser Fan Phase B
X011-6 Half-Bridge Condenser Fan Phase C
X011-2 Ground Return Condenser Fan GND Shield
X012-5 High-Side Drive iBooster
X011-3 High-Side Drive Windshield Wiper Power
SH_TH501-A
TWIST_TH501-A
SHIELD898
TH501-A RD 5.00 FLRB 1411.000001 1567964-XX-A (W)
TH502-A YE 5.00 FLRB 1411.000001 1567964-XX-A (W)
TH503-A BU 5.00 FLRB 1411.000001 1567964-XX-A (W)
Condenser Fan
W
X525-1 Half-Bridge Phase A
X525-2 Half-Bridge Phase B
X525-3 Half-Bridge Phase C
X525-4 Ground Return Shielded Grounding
TH504-B WH 0.50 FLRY 0.0 1567964-XX-A (W)
Z2-TH504
+BRK01-A RD 4.00 FLRB LHD 479.0 1567964-XX-A (W)
iBooster & DTS
W LHD X150 X158 X159
X150-1 Power In +12V_UBB [motor positive]
X150-9 Ground-Chassis GND_ECU [ground to Chassis for both logic and motor power and wakeup]
+G018-A BK 4.00 FLRB LHD 662.25 1567964-XX-A (W)
iBooster & DTS (RHD)
W RHD X150A X158A X159A
X150A-1 Power In +12V_UBB [motor positive]
X150A-9 Ground-Chassis GND_ECU [ground to Chassis for both logic and motor power and wakeup]
+BRK01_R-A RD 4.00 FLRB RHD 1209.020797 1567964-XX-A (W)
+G018_R-A BK 4.00 FLRB RHD 970.270797 1567964-XX-A (W)
Wiper Motor (LHD)
W LHD
X300-1 Power In Power
X300-2 LIN LIN
X300-4 Ground-Chassis Ground
WPA01-A VT 2.50 FLRB LHD 808.000001 1567964-XX-A (W)
WPA14-A RD 0.35 FLRY LHD 846.000001 1567964-XX-A (W)
G006-A BK 2.50 FLRB LHD 1039.271699 1567964-XX-A (W)
Body Controller Front
W,U X010 X011 X012 X013 X014 X015 X016 X017 X018 X019 X020 X021 X022
Wiper Motor (RHD)
W RHD
X300A-4 Power In Power
X300A-1 LIN LIN
X300A-3 Ground-Chassis Ground
WPA01_R-A VT 2.50 FLRB RHD 965.0 1567964-XX-A (W)
WPA14_R-A RD 0.35 FLRY RHD 1003.0 1567964-XX-A (W)
G006_R-A BK 2.50 FLRB RHD 774.271698 1567964-XX-A (W)
X010-41 LIN Windshield Wiper LIN
X010-25 High-Side Drive Windshield Upper Glass Heater
HWA21-A YE 0.35 FLRY LHD 557.09233 1567964-XX-A (W)
LHD Glass Heater - Windshield (LHD) W
X304-1 Power In UpperHeater+
X304-2 Ground-Chassis Common return
G008-A BK 1.00 FLRY LHD 805.09233 1567964-XX-A (W)
Glass Heater - Windshield (RHD)
W RHD
X304A-1 Power In UpperHeater+
X304A-2 Ground-Chassis Common return
HWA21_R-A YE 0.35 FLRY RHD 810.702562 1567964-XX-A (W)
G008_R-A BK 1.00 FLRY RHD 636.702562 1567964-XX-A (W)
X010-39 Analog In Brake Fluid Level Sensor
+BKA01-A BU 0.35 FLRY LHD 728.0 1567964-XX-A (W)
LHD iBooster & DTS W X150
X159-2 Power In Power
X159-1 Ground-Chassis Ground
+G007-A BK 0.35 FLRY LHD 976.0 1567964-XX-A (W)
iBooster & DTS (RHD)
W RHD X150A
X159A-2 Power In Power
X159A-1 Ground-Chassis Ground
+BKA01_R-A BU 0.35 FLRY RHD 1130.5 1567964-XX-A (W)
+G007_R-A BK 0.35 FLRY RHD 956.5 1567964-XX-A (W)
LHD Windshield - Washer Pump & Level Sensor (LHD) W
X010-2 Digital In Windshield Washer Fluid Level Switch
X010-48 High-Side Drive Windshield Washer Fluid Pump
WPA21-A GN 0.35 FLRY LHD 635.000001 1567964-XX-A (W)
WPA22-A VT 0.50 FLRY LHD 635.000001 1567964-XX-A (W)
X301-3 Hall Sensor Out level-signal
X301-4 Ground-Chassis level-return
X301-2 Power In PWR-pump
X301-1 Ground-Chassis GND-pump
G002-A BK 0.50 FLRY LHD 968.0 1567964-XX-A (W)
G003-A BK 0.50 FLRY LHD 968.0 1567964-XX-A (W)
Windshield - Washer Pump & Level Sensor (RHD)
W RHD
X301A-3 Hall Sensor Out level-signal
X301A-4 Ground-Chassis level-return
X301A-2 Power In PWR-pump
X301A-1 Ground-Chassis GND-pump
WPA21_R-A GN 0.35 FLRY RHD 813.06066 1567964-XX-A (W)
WPA22_R-A VT 0.50 FLRY RHD 813.06066 1567964-XX-A (W)
G002_R-A BK 0.50 FLRY RHD 1866.060661 1567964-XX-A (W)
G003_R-A BK 0.50 FLRY RHD 1866.060661 1567964-XX-A (W)
Homelink ECU
L
X010-18 High-Side Drive Homelink ECU
X010-19 LIN Homelink ECU LIN
BCM01-B WH 0.13 MCIV 1849.586998 1567964-XX-A (W)
BCM02-B GN 0.13 MCIV 1849.586998 1567964-XX-A (W)
BCM01-A WH 0.13 MCIV 592.0 1567961-XX-A (L)
BCM02-A GN 0.13 MCIV 592.0 1567961-XX-A (L)
X485-1 Power In Power In
X485-2 Ground-Chassis Ground-Chassis
X485-3 LIN LIN
G023-J BK 1.00 FLRY 258.0 1567961-XX-A (L)
Emergency Frunk Release Switch
L
X010-17 Digital In - Wake Frunk Emergency Release Switch
X010-16 High-Side Drive Frunk LED
SEC21-A VT 0.35 FLRY 1654.000001 1567964-XX-A (W)
SEC22-A GY 0.35 FLRY 1654.000001 1567964-XX-A (W)
SEC21-B VT 0.35 FLRY 611.0 1567961-XX-A (L)
SEC22-B GY 0.35 FLRY 611.0 1567961-XX-A (L)
X333-1 Digital Out REL SW
X333-3 PWM In Illumination
X333-2 Ground-Chassis GND
G023-G BK 0.35 FLRY 300.0 1567961-XX-A (L)
Battery Backup Siren
L REEU
X010-1 High-Side Drive Battery Backup Siren
SEC01-B BU 0.13 MCIV REEU 1654.000001 1567964-XX-A (W)
SEC01-A BU 0.35 MCIV REEU 933.0 1567961-XX-A (L)
SEC33-A GN 0.35 MCIV REEU 933.0 1567961-XX-A (L)
X487-3 Power In Power
X487-1 Ground-Chassis GND
X487-2 LIN LIN
G023-A BK 0.35 FLRY REEU 522.0 1567961-XX-A (L)
Z1-G023
Frunk Access Post
F
X010-29 Power In Frunk Access Post
JMP01-A OG 1.00 FLRY 2059.183116 1567964-XX-A (W)
JMP01-B OG 1.00 FLRY 1832.0 1067958-XX-E (F)
X355-1 Power In Power
X356-1 Ground-Chassis Ground
G015-F BK 1.00 FLRY FOG 1766.0 1067958-XX-E (F)
G015-A BK 1.00 FLRY FOG 604.572533 1067958-XX-E (F)
Z1-G015
TXV Evaporator Solenoid
W
X010-36 High-Side Drive Evaporator TXV Solenoid
X010-14 Ground Return Evaporator TXV Solenoid GND
TH049-A VT 0.35 FLRY 577.545085 1567964-XX-A (W)
TH050-A BN 0.35 FLRY 577.545085 1567964-XX-A (W)
X523-1 Power In Power
X523-2 Ground Return GND
Frunk Latch
L X330 X331 X332
X010-51 Half-Bridge Frunk Latch Primary Release
X010-50 Half-Bridge Frunk Latch Primary Reset
X010-3 Digital In - Wake Frunk Latch Open Switch
X010-26 Half-Bridge Frunk Latch Secondary Release
X010-47 Half-Bridge Frunk Latch Secondary Reset
SEC11-A WH 0.35 FLRY 1654.000001 1567964-XX-A (W)
SEC12-A BK 0.35 FLRY 1654.000001 1567964-XX-A (W)
SEC15-A YE 0.35 FLRY 1654.000001 1567964-XX-A (W)
SEC13-A BU 0.35 FLRY 1654.000001 1567964-XX-A (W)
SEC14-A GN 0.35 FLRY 1654.000001 1567964-XX-A (W)
SEC11-B WH 0.35 FLRY 352.0 1567961-XX-A (L)
SEC12-B BK 0.35 FLRY 352.0 1567961-XX-A (L)
SEC15-B YE 0.35 FLRY 761.0 1567961-XX-A (L)
SEC13-B BU 0.35 FLRY 973.0 1567961-XX-A (L)
SEC14-B GN 0.35 FLRY 973.0 1567961-XX-A (L)
X330-1 Power In Latch Release
X330-2 Ground-Chassis Ground
X332-1 Analog In Switch
X332-2 Ground Return Ground
X331-1 Power In Latch Release
X331-2 Ground-Chassis Ground
G023-F BK 0.35 FLRY 350.0 1567961-XX-A (L)
MCU (LHD)
W,B LHD
X010-46 High-Side Drive MCU Audio
AUD01-A RD 2.00 FLRY LHD 1744.307692 1567964-XX-A (W)
X170-5 Power In Audio Power
X170-11 Ground-Chassis GND
G017-A BK 2.00 FLRY LHD 1570.307692 1567964-XX-A (W)
MCU (RHD)
W, B RHD
X170A-5 Power In Audio Power
X170A-11 Ground-Chassis GND
AUD01_R-A RD 2.00 FLRY RHD 1541.371952 1567964-XX-A (W)
G017_R-A BK 2.00 FLRY RHD 1789.371952 1567964-XX-A (W)
Radar Front
L
X010-15 High-Side Drive Radar
DAS51-B OG 0.35 FLRY 1849.586998 1567964-XX-A (W)
DAS51-A OG 0.35 FLRY 478.0 1567961-XX-A (L)
X104-4 Power In 12V Power (Drive Rail)
X104-1 Ground-Chassis GND
Horn Right - High Tone
W
X010-31 High-Side Drive Horn High Tone
BCM21-A BU 0.50 FLRY 1361.609773 1567964-XX-A (W)
X199-1 Power In Power
X199-2 Ground-Chassis Ground
G029-B BK 0.50 FLRY 620.377088 1567964-XX-A (W)
Horn Left - Low Tone
W
Z1-G029
X010-9 High-Side Drive Horn Low Tone
BCM22-A RD 0.50 FLRY 1361.007348 1567964-XX-A (W)
X198-1 Power In Power
X198-2 Ground-Chassis Ground
G029-A BK 0.50 FLRY 619.774662 1567964-XX-A (W)
X010-11 High-Side Drive EPAS 1 Wake
EPS01_R-A GN 0.35 FLRY RHD 1748.000001 1567964-XX-A (W)
EPS01-A GN 0.35 FLRY LHD 1611.000001 1567964-XX-A (W)
Drive Inverter Front & Resolver
N AWDX093
X010-35 High-Side Drive Front Drive Inverter
X010-34 High-Side Drive Front Drive Inverter Discharge
PT051-A GN 0.35 FLRY AWD 754.000001 1567964-XX-A (W)
PT052-A YE 0.13 MCIV AWD 754.000001 1567964-XX-A (W)
PT051-B GN 0.35 FLRY AWD 1232.0 1068769-XX-D (N)
PT052-B YE 0.13 MCIV AWD 1232.0 1068769-XX-D (N)
X093-3 Power In Switched +12V
X093-22 Power In Unswitched +12V
X093-13 Ground-Chassis GND
G019-B BK 0.35 FLRY AWD 1232.0 1068769-XX-D (N)
Drive Unit Oil Pump Front
N AWD
X010-52 High-Side Drive Front Drive Unit Oil Pump
PT061-A VT 1.00 FLRY AWD 754.000001 1567964-XX-A (W)
PT061-B VT 1.00 FLRY AWD 1308.0 1068769-XX-D (N)
X095-1 Power In Switched +12V
X095-3 Ground-Chassis GND
G020-B BK 1.00 FLRY AWD 1308.0 1068769-XX-D (N)
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DRAWN
CHECKED
APPROVED
MATERIAL AS SPECIFIED
FINISHING AS SPECIFIED
SCALE NONE
PART NAME Body Controller Front J1,J2
PART NUMBER
REV 2
SHEET 5 OF 45
SIZE A0

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Front J3, Cables

PART NUMBER	REV	SHEET	SIZE
	2	6 OF 45	A0

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Body Controller Front
W,U X010 X011 X012 X013 X014 X015 X016 X017 X018 X019 X020 X021 X022

X013-3 CAN-P
Vehicle CAN P
X013-4 CAN-N
Vehicle CAN N
TWIST-CAN_CVH01-A
+CVH01-A YE 0.13 MCIV
AWD || BINLT || PINLT || RWD 1038.56007 1567964-XX-A (W)
+CVH02-A WH 0.13 MCIV
AWD || BINLT || PINLT || RWD 942.467866 1567964-XX-A (W)
Z1-+CVH01
Z1-+CVH02

X013-14 CAN-P
Vehicle CAN P
X013-15 CAN-N
Vehicle CAN N
TWIST-CAN_CVH03-A
+CVH03-A BU 0.13 MCIV
1494.000001 1567964-XX-A (W)
+CVH04-A GY 0.13 MCIV
1494.000001 1567964-XX-A (W)

X013-1 Ground Return
Batt Temp Sensor Return
BMON2-A BU 0.35 FLXA
446.432836 1567964-XX-A (W)

X013-12 Analog In
12V Battery Temp Sensor
BMON1-A BU 0.35 FLXA
446.432836 1567964-XX-A (W)

Side Repeater DAS Left
W X268 X823

X013-18 High-Side Drive
Side Repeater Left
EXL08-A GN 0.35 FLRY
1436.000001 1567964-XX-A (W)
X268-1 Power In
Power
X268-2 Ground Return
Ground
X823-1 Analog In
Coax
DAS82_R-A BK D302 COAX
RHD 1536.189958 1567964-XX-A (W)
DAS82-A BK D302 COAX
LHD 2717.56504 1567964-XX-A (W)
G024-A BK 0.50 FLRY
1790.0 1567964-XX-A (W)

Headlamp Left
W

X013-22 High-Side Drive
Headlight Left
EXL01-A WH 1.00 FLRY
1479.790571 1567964-XX-A (W)
X013-21 LIN
Headlight Left LIN
EXL04-A BU 0.13 MCIV
1479.790571 1567964-XX-A (W)
X260-1 Power In
Power
X260-2 LIN
LIN
X260-3 Ground-Chassis
Ground
G012-A BK 1.00 FLRY
233.79057 1567964-XX-A (W)

FOG
Fascia Lamp Left
F

X013-23 High-Side Drive
Side Marker Left
EXL06-A VT 0.35 FLRY
FOG 2038.183116 1567964-XX-A (W)
X901M 11 X901F
EXL06-B VT 0.35 FLRY
FOG 2026.0 1067958-XX-E (F)
X013-19 High-Side Drive
Fog Light Left
EXL07-A BU 0.35 FLRY
FOG 2038.183116 1567964-XX-A (W)
X901M 12 X901F
EXL07-B BU 0.35 FLRY
FOG 2026.0 1067958-XX-E (F)
X262-1 Power In
Side marker
X262-2 Power In
Fog
X262-3 Ground-Chassis
Ground
G015-B BK 0.35 FLRY
FOG 864.572533 1067958-XX-E (F)

Side Repeater DAS Right
W X269 X824

X013-11 High-Side Drive
Side Repeater Right
EXL58-A YE 0.35 FLRY
795.559017 1567964-XX-A (W)
X269-1 Power In
Power
X269-2 Ground Return
Ground
X824-1 Analog Out
Coax
DAS83_R-A BK D302 COAX
RHD 2774.932612 1567964-XX-A (W)
DAS83-A BK D302 COAX
LHD 1852.307692 1567964-XX-A (W)
G025-A BK 0.50 FLRY
1103.742133 1567964-XX-A (W)

FOG
Fascia Lamp Right
F

X013-9 High-Side Drive
Side Marker Right
EXL56-A VT 0.35 FLRY
FOG 2038.183116 1567964-XX-A (W)
X901M 13 X901F
EXL56-B VT 0.35 FLRY
FOG 610.0 1067958-XX-E (F)
X013-10 High-Side Drive
Fog Light Right
EXL57-A OG 0.35 FLRY
FOG 2038.183116 1567964-XX-A (W)
X901M 14 X901F
EXL57-B OG 0.35 FLRY
FOG 610.0 1067958-XX-E (F)
X263-1 Power In
Side marker
X263-2 Power In
Fog
X263-3 Ground-Chassis
Ground
G015-C BK 0.35 FLRY
FOG 941.427467 1067958-XX-E (F)
Z1-G015

Frunk Access Post
F

X356-1 Ground-Chassis
Ground
G015-A BK 1.00 FLRY
FOG 604.572533 1067958-XX-E (F)
G015-F BK 1.00 FLRY
~FOG 1766.0 1067958-XX-E (F)

Headlamp Right
W

X013-7 High-Side Drive
Headlight Right
EXL51-A RD 1.00 FLRY
1930.213893 1567964-XX-A (W)
X013-8 LIN
Headlight Right LIN
EXL54-A GN 0.13 MCIV
1930.213893 1567964-XX-A (W)
X261-1 Power In
Power
X261-2 LIN
LIN
X261-3 Ground-Chassis
Ground
G016-A BK 1.00 FLRY
296.030777 1567964-XX-A (W)

Active Louvre
L

X013-36 Half-Bridge
Active Louver Phase A
SH_TH201-A
TWIST_TH201-A
TH201-A RD 0.35 FLRY
1633.000001 1567964-XX-A (W)
X906F 2 X906M
SH_TH201-A
TWIST_TH201-A
SH_TH201-B
TWIST_TH201-B
TH201-B RD 0.35 FLRY
545.0 1567961-XX-A (L)
SH_TH201-B
TWIST_TH201-B
X506-4 Half-Bridge
Phase 1
X013-35 Half-Bridge
Active Louver Phase B
TH202-A YE 0.35 FLRY
1633.000001 1567964-XX-A (W)
X906F 1 X906M
TH202-B YE 0.35 FLRY
545.0 1567961-XX-A (L)
X506-3 Half-Bridge
Phase 2
X013-34 Half-Bridge
Active Louver Phase C
TH203-A VT 0.35 FLRY
1633.000001 1567964-XX-A (W)
X906F 3 X906M
TH203-B VT 0.35 FLRY
545.0 1567961-XX-A (L)
X506-2 Half-Bridge
Phase 3
X013-20 Not connected
Active Louver GND Shield
SHIELD899
SHIELD899
Z1-TH204
TH204-B GY 0.35 FLRY
0.0 1567964-XX-A (W)
X906F 4 X906M
TH204-C GY 0.35 FLRY
0.0 1567961-XX-A (L)
SHIELD900
Z36-TH204
Z38-TH204
TH204-D GY 0.35 FLRY
0.0 1567961-XX-A (L)
X506-1 Ground-Chassis
GND

Ambient Air Temp
F

X013-2 Analog In
Ambient Air Temp
AAT01-B RD 0.50 FLRY
2038.183116 1567964-XX-A (W)
X901M 8 X901F
AAT01-A RD 0.50 FLRY
935.0 1067958-XX-E (F)
X527-1 Analog Out
Ambient Sensor +
X013-27 Ground Return
Ambient Air Temp Return
AAT02-B BK 0.50 FLRY
2038.183116 1567964-XX-A (W)
X901M 9 X901F
AAT02-A BK 0.50 FLRY
935.0 1067958-XX-E (F)
X527-2 Ground Return
Ground

LHD
EPAS (LHD)
W X191 X192 X193

X013-33 High-Side Drive
EPAS 2 Wake
EPS02-A BN 0.35 FLRY
LHD 1619.000001 1567964-XX-A (W)
X193-1 Power In ***LHD***
WAU2

RHD
EPAS (RHD)
W X191A X192A X193A

EPS02_R-A BN 0.35 FLRY
RHD 1750.000001 1567964-XX-A (W)
X193A-1 Power In ***RHD***
WAU2

LHD
iBooster & DTS
W X150 X158 X159

X013-24 High-Side Drive
iBooster Wake
+BRK05-A YE 0.35 FLRY
LHD 447.0 1567964-XX-A (W)
X150-20 Power In
Wake

RHD
iBooster & DTS (RHD)
W X150A X158A X159A

+BRK05_R-A YE 0.35 FLRY
RHD 1177.020797 1567964-XX-A (W)
X150A-20 Power In
Wake

X013

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Front J4

PART NUMBER	REV	SHEET	SIZE
	2	7 OF 45	A0

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Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X030-41 High-Side Drive
Body Side Brake Light
EXL22-A GY 0.35 FLRY
3653.56723 2067954-XX-B (A)

X030-44 High-Side Drive
Body Side Turn Signal
EXL23-A VT 0.35 FLRY
3653.56723 2067954-XX-B (A)

X030-42 High-Side Drive
Body Side Tail Light
EXL21-A RD 0.35 FLRY
3653.56723 2067954-XX-B (A)

Tail Light Left Body
A
X270 — X270-5 Power In: Not connected (SAE), Stop (ECE); X270-1 Ground-Chassis: Ground; X270-3 Power In: Turn/Stop (SAE), Turn (ECE); X270-2 Power In: Tail (SAE/ECE)
G652-A BK 0.50 FLRY
538.3108 2067954-XX-B (A)

X030-18 High-Side Drive
Trunk Interior LED
INL71-A VT 0.35 FLRY
3645.25653 2067954-XX-B (A)

Trunk Internal Illumination Left
A
X296 — X296-1 Power In: Power; X296-2 Analog In: Ground
G651-A BK 0.50 FLRY
530.0001 2067954-XX-B (A)

X030-28 High-Side Drive
Charge Port ECU
+CP001-A OG 0.35 FLRY
3510.25643 2067954-XX-B (A)

Charge Port ECU
A X096 X687 X688
X096 — X096-10 Power - Always On: 12V; X096-9 Ground-Chassis: GND
+G653-A BK 0.50 FLRY
395.0 2067954-XX-B (A)

X031-9 Analog In
Seat Rear Right Occupancy Sensor
RS013-A BU 0.13 MCIV
2294.11093 2067954-XX-B (A)

X031-8 Analog In
Seat Rear Center Occupancy Sensor
RS012-A GN 0.13 MCIV
2294.11093 2067954-XX-B (A)

X031-7 Analog In
Seat Rear Left Occupancy Sensor
RS011-A VT 0.13 MCIV
2294.11093 2067954-XX-B (A)

Occupancy Sensors Rear Seat
2nd Row Seat OCS
X685 — X685-3 Analog Out: Right Occupant Switch; X685-4 Ground Return: Ground; X685-2 Analog Out: Center Occupant Switch; X685-1 Analog Out: Left Occupant Switch
RS002-B GY 0.35 FLRY
3.0 2067954-XX-B (A)

X031-12 Analog In
Seat Rear Left Buckle Sensor
RS001-A OG 0.35 FLRY
2439.61093 2067954-XX-B (A)

X030-2 Ground Return
Seat Rear Shared Ground Return
RS002-C GY 0.35 FLRY
2249.44143 2067954-XX-B (A)

Seatbelt Buckle Switch Rear Left
A
X673 — X673-1 Power In: Power In; X673-2 Hall Sensor Out: Hall Sensor Out
RS002-A GY 0.35 FLRY
148.5 2067954-XX-B (A)
Z1-RS002

X030-27 High-Side Drive
Seat Rear Left Heat Pad Backrest
RS035-A GN 0.50 FLRY
COLDW 2180.94143 2067954-XX-B (A)

Heat Pad Backrest Rear Left
A ***COLDW***
X676 — X676-2 Power In: Heater + 12V; X676-1 Ground-Chassis: Heater GND
G404-A BK 0.50 FLRY
COLDW 1414.278 2067954-XX-B (A)

X030-47 High-Side Drive
USB Ports Front
AUX02-K YE 1.00 FLRY
1714.54713 2067954-XX-B (A)
X930F 15 — X930M 15
AUX02-G YE 2.00 FLRY
BINLT || PINLT 604.960417 2067956-XX-A (C)

Z1-AUX02

PINLT
USB Ports Front
C
X196 — X196-1 Power In: 12V Battery Input; X196-3 Ground-Chassis: Ground; X196-2 Power In: 12V Battery Input; X196-4 Ground-Chassis: Ground
AUX02-A YE 0.75 FLRY, Size at pin: 0.75
PINLT 490.039583 2067956-XX-A (C)
AUX02-C YE 0.75 FLRY, Size at pin: 0.75
PINLT 490.039583 2067956-XX-A (C)
Size at pin: 0.75
G406-A BK 0.75 FLRY
PINLT 932.368056 2067956-XX-A (C)
G406-C BK 0.75 FLRY
PINLT 932.368056 2067956-XX-A (C)

BINLT
USB Ports Front (B)
C
X196A — X196A-1 Power In: 12V Battery Input; X196A-3 Ground-Chassis: Ground; X196A-2 Power In: 12V Battery Input; X196A-4 Ground-Chassis: Ground
AUX02-J YE 0.75 FLRY, Size at pin: 0.75
BINLT 969.960417 2067956-XX-A (C)
AUX02-I YE 0.75 FLRY, Size at pin: 0.75
BINLT 969.960417 2067956-XX-A (C)
Size at pin: 0.75
G406-G BK 0.75 FLRY
BINLT 832.368056 2067956-XX-A (C)
G406-H BK 0.75 FLRY
BINLT 832.368056 2067956-XX-A (C)
Z1-G406

PINLT
USB Ports Rear
C
X195A — X195A-1 Power In: 12V Battery Input; X195A-3 Ground-Chassis: Ground; X195A-2 Power In: 12V Battery Input; X195A-4 Ground-Chassis: Ground
AUX02-B YE 0.75 FLRY, Size at pin: 0.75
PINLT 622.750986 2067956-XX-A (C)
AUX02-D YE 0.75 FLRY, Size at pin: 0.75
PINLT 622.750986 2067956-XX-A (C)
Size at pin: 0.75
G406-B BK 0.75 FLRY
PINLT 180.422513 2067956-XX-A (C)
G406-D BK 0.75 FLRY
PINLT 180.422513 2067956-XX-A (C)

X030-50 High-Side Drive
12V Power Socket
AUX01-A BU 2.00 FLRY
BINLT || PINLT 1714.54713 2067954-XX-B (A)
X930F 1 — X930M 1
AUX01-B BU 2.00 FLRY
PINLT 660.0 2067956-XX-A (C)

PINLT
12V Power Socket Center Console
C
X197 — X197-A Power In: Power; X197-C Ground-Chassis: Ground
AUX03-B BK 2.00 FLRY
PINLT 660.0 2067956-XX-A (C)
X930M 26 — X930F 26

BINLT
12V Power Socket Center Console (B)
C
X197A — X197A-A Power In: Power; X197A-C Ground-Chassis: Ground
AUX01-C BU 2.00 FLRY
BINLT 610.0 2067956-XX-A (C)
AUX03-C BK 2.00 FLRY
BINLT 610.0 2067956-XX-A (C)

X030-13 Ground Return
12V Power Socket Ground Return
AUX03-A BK 2.00 FLRY
BINLT || PINLT 1714.54713 2067954-XX-B (A)

X031-24 High-Side Drive
Center Console Bin Front Switch LED
INL63-B OG 0.35 FLRY
PINLT 1756.21663 2067954-XX-B (A)
X930F 2 — X930M 2
INL63-A OG 0.35 FLRY
PINLT 940.0 2067956-XX-A (C)

PINLT
Center Console Front Bin Switch
C
X293 — X293-2 Ground Return: Ground; X293-1 Digital In: Switch
INL62-A GY 0.35 FLRY
PINLT 285.0 2067956-XX-A (C)

PINLT
Center Console Front Bin LED
C
X291 — X291-1 PWM In: Power; X291-2 Ground Return: Ground
Size at pin: 0.35
G405-C BK 0.35 FLRY
PINLT 820.866493 2067956-XX-A (C)

X031-25 High-Side Drive
Center Console Bin Rear Switch LED
INL61-B BN 0.35 FLRY
1756.21663 2067954-XX-B (A)
X930F 8 — X930M 8
INL61-A BN 0.35 FLRY
335.0 2067956-XX-A (C)

Center Console Rear Bin Switch
C
X294 — X294-2 Ground Return: Ground; X294-1 Digital In: Switch
INL64-A BU 0.35 FLRY
PINLT 665.0 2067956-XX-A (C)

PINLT
Center Console Rear Bin LED
C
X292 — X292-1 Power In: Power; X292-2 Analog In: Ground
Size at pin: 0.35
G405-B BK 0.35 FLRY
PINLT 435.866493 2067956-XX-A (C)

BINLT
Center Console Rear Bin LED (B)
C
INL64-B BU 0.35 FLRY
BINLT 700.0 2067956-XX-A (C)
X292A — X292A-1 Power In: Power; X292A-2 Analog In: Ground
Size at pin: 0.35
G405-G BK 0.35 FLRY
BINLT 470.866493 2067956-XX-A (C)
Z1-G405

X030-35 High-Side Drive
Security Controller
SEC91-A YE 0.13 MCIV
BINLT || PINLT 1714.54713 2067954-XX-B (A)
X930F 4 — X930M 4
SEC91-B YE 0.13 MCIV
PINLT 600.0 2067956-XX-A (C)

PINLT
Security Controller
C
X492 — X492-1 Power In: Power; X492-2 Ground-Chassis: Ground
Size at pin: 0.35
G405-A BK 0.35 FLRY
PINLT 445.866493 2067956-XX-A (C)

BINLT
Security Controller (B)
C
SEC91-C YE 0.13 MCIV
BINLT 585.0 2067956-XX-A (C)
X492A — X492A-1 Power In: Power; X492A-2 Ground-Chassis: Ground
Size at pin: 0.35
G405-F BK 0.35 FLRY
BINLT 430.866493 2067956-XX-A (C)

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Left J1, Center Console

PART NUMBER	REV	SHEET	SIZE
	2	8 OF 45	A0

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Left J2, OHC

PART NUMBER	REV	SHEET	SIZE
	2	9 OF 45	A0

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Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Body Controller Right J1

PART NUMBER	REV	SHEET	SIZE
	2	10 OF 45	A0

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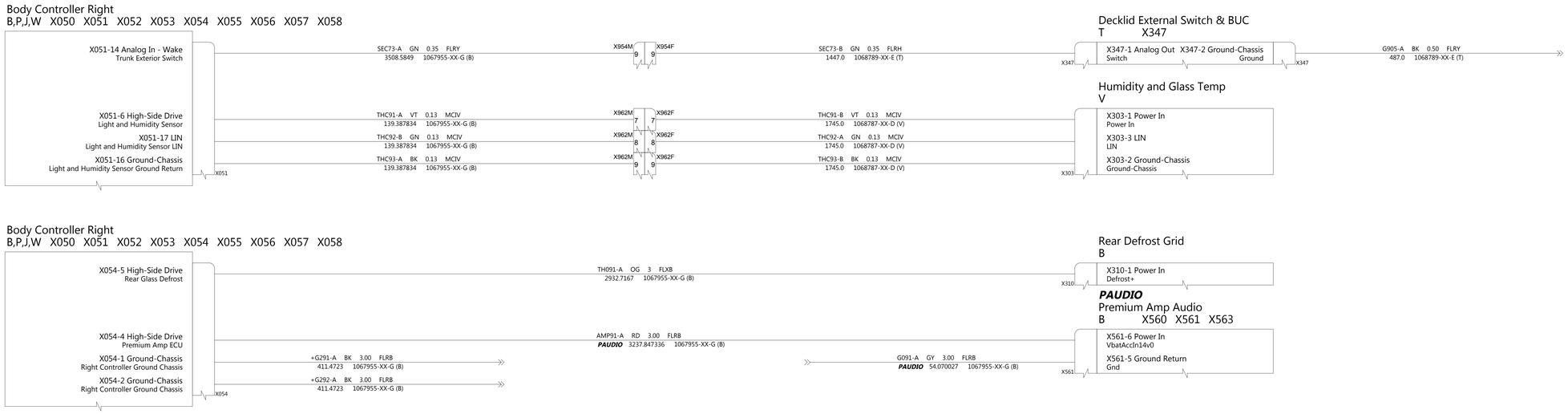

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Body Controller Right J2, J5

PART NUMBER	REV	SHEET	SIZE
	2	11 OF 45	A0

Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X035-24 High-Side Drive
Footwell LED Front

X037-10 High-Side Drive
Restraint Control Module

INL41-A RD 0.35 FLRY
165.555 1067960-XX-E, 1117960-XX-A (J)

+SRI96-A YE 0.35 FLRY
2650.500001 1567964-XX-A (W)

Frunk Cut Loop

X908F 10 | 10 X908M

Footwell LED Front Left
J

X280-1 Power In
Power

X280-2 Analog In
Ground

IPG01-E BK 0.35 FLRY
650.278 1067960-XX-E, 1117960-XX-A (J)

Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

X050-40 Pass-through
Restraint Control Module Passthrough 2

+SRI96-B YE 0.35 FLRY
405.1736 1067955-XX-G (B)

Rear Cut Loop

Rear Cut Loop

X057-26 High-Side Drive
HV Contactors

+BMS02-B OG 1.00 FLRY
116.5 1567964-XX-A (W)

X908F 12 | 12 X908M

+BMS02-A OG 1.00 FLRY
2202.9667 1067955-XX-G (B)

HV Battery
X007 X098

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

X057-23 High-Side Drive
Restraint Control Module

+SRI97-A RD 0.35 FLRY
116.5 1567964-XX-A (W)

X908F 15 | 15 X908M

Frunk Cut Loop

Rear Cut Loop

X051-13 Pass-through
Restraint Control Module Passthrough 1

+SRI97-B RD 0.35 FLRY
385.8808 1067955-XX-G (B)

Restraints Controller
A,J X200 X201

X055-9 Pass-through
Restraint Control Module Passthrough 2

+SRI99-A BN 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)

X200-19 Power In
Power (IGN)

X201-41 Ground-Chassis
GND (ECU)

+G403-A BK 0.50 FLRY
979.9287 2067954-XX-B (A)

X055-5 Pass-through
Restraint Control Module Passthrough 1

+SRI98-A RD 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)

X200-20 Power In
Power (Permanent)

Footwell LED Front Right
J

X055-11 High-Side Drive
Footwell LED Front

INL42-A GY 0.35 FLRY
260.03 1067960-XX-E, 1117960-XX-A (J)

X281-1 Power In
Power

X281-2 Analog In
Ground

Size at pin: 0.50

IPG01-H BK 0.35 FLRY
1366.4554 1067960-XX-E, 1117960-XX-A (J)

Lateral Vanes Left
J

X055-30 Half-Bridge
HVAC Left Vane Duct Open

THC33-A OG 0.35 FLRY
1555.6484 1067960-XX-E, 1117960-XX-A (J)

X559-3 Half-Bridge
Duct Open

X055-23 Vref Output
HVAC Left Vane Position 5v

THC13-A GY 0.35 FLRY
1555.6484 1067960-XX-E, 1117960-XX-A (J)

X559-4 Vref Output
Duct Position 5v

X055-25 Analog In
HVAC Left Vane Duct Position

THC34-A GN 0.35 FLRY
1555.6484 1067960-XX-E, 1117960-XX-A (J)

X559-5 Analog In
Duct Position

X055-8 Ground Return
HVAC Left Vane Position Ground Return

THC14-A BK 0.35 FLRY
1555.6484 1067960-XX-E, 1117960-XX-A (J)

X559-6 Ground Return
Duct Position Ground

X055-31 Half-Bridge
HVAC Left Vane Duct Close

THC35-A WH 0.35 FLRY
1555.6484 1067960-XX-E, 1117960-XX-A (J)

X559-7 Half-Bridge
Duct Close

Lateral Vanes Right
J

X055-32 Half-Bridge
HVAC Right Vane Duct Open

THC36-A BN 0.35 FLRY
155.75 1067960-XX-E, 1117960-XX-A (J)

X558-3 Half-Bridge
Duct Open

X055-6 Vref Output
HVAC Right Vane Position 5v

THC15-A OG 0.35 FLRY
155.75 1067960-XX-E, 1117960-XX-A (J)

X558-4 Vref Output
Duct Position 5v

X055-24 Analog In
HVAC Right Vane Duct Position

THC37-A BU 0.35 FLRY
155.75 1067960-XX-E, 1117960-XX-A (J)

X558-5 Analog In
Duct Position

X055-7 Ground Return
HVAC Right Vane Position Ground Return

THC16-A VT 0.35 FLRY
155.75 1067960-XX-E, 1117960-XX-A (J)

X558-6 Ground Return
Duct Position Ground

X055-33 Half-Bridge
HVAC Right Vane Duct Close

THC38-A YE 0.35 FLRY
155.75 1067960-XX-E, 1117960-XX-A (J)

X558-7 Half-Bridge
Duct Close

GPTC01-A BK 3.00 FLRB
1269.271628 1067960-XX-E, 1117960-XX-A (J)

GND PTC TO BODY G026 1

GND PTC G025 1

Cabin Thermistors
J

X055-26 Analog In
HVAC Cabin Temp 3

THC61-A BU 0.13 MCIV
967.9676 1067960-XX-E, 1117960-XX-A (J)

X542-1 Analog Out
Temp Out 3

X055-27 Analog In
HVAC Cabin Temp 1

THC62-A YE 0.13 MCIV
967.9676 1067960-XX-E, 1117960-XX-A (J)

X542-3 Analog Out
Temp Out 1

X055-28 Analog In
HVAC Cabin Temp 2

THC63-A RD 0.13 MCIV
967.9676 1067960-XX-E, 1117960-XX-A (J)

X542-4 Analog Out
Temp Out 2

X055-29 Ground Return
Shared HVAC Ground Return

THC65-A BN 0.13 MCIV
967.9676 1067960-XX-E, 1117960-XX-A (J)

X542-2 Ground Return
Common Ground

Glove Box - Latch
J

X055-37 High-Side Drive
Glove Box Latch Release

INL53-A VT 0.50 FLRY
1156.0743 1067960-XX-E, 1117960-XX-A (J)

X186-1 High-Side Drive
Anode

X186-2 Ground-Chassis
Cathode

X055-20 Ground Return
Glove Box Latch Return

INL54-A BN 0.50 FLRY
1156.0743 1067960-XX-E, 1117960-XX-A (J)

Glove Box - Ajar Sensor
J

Glove Box - LED
J

X055-10 High-Side Drive
Glove Box LED

INL51-A OG 0.35 FLRY
1158.4697 1067960-XX-E, 1117960-XX-A (J)

X187-1 Analog In
Analog In

X187-3 Analog In
Analog In

INL52-A WH 0.35 FLRY
163.1939 1067960-XX-E, 1117960-XX-A (J)

X188-1 Power In
Power

X188-2 Analog In
Ground

IPG01-G BK 0.35 FLRY
1008.9162 1067960-XX-E, 1117960-XX-A (J)

PTC Heater
J,W X535

X055-38 High-Side Drive
HVAC PTC Heater

THC81-A WH 0.13 MCIV
1509.6004 1067960-XX-E, 1117960-XX-A (J)

X535-1 Power In
12V Battery

X535-4 Ground Return
GND

IPG01-D BK 0.35 FLRY
847.675 1067960-XX-E, 1117960-XX-A (J)

+CVH05-A BU 0.13 MCIV
1509.6004 1067960-XX-E, 1117960-XX-A (J)

TWIST-CAN_CVH05-A

+CVH06-A VT 0.13 MCIV
1509.6004 1067960-XX-E, 1117960-XX-A (J)

X535-2 CAN
CAN HIGH

X535-3 CAN
CAN LOW

Steering Angle and Stalk ECU
J X180 X183 X184

X180-4 Ground-Chassis
GND

Size at pin: 0.75

IPG01-B BK 0.75 FLRY
292.464 1067960-XX-E, 1117960-XX-A (J)

X180-6 Ground-Chassis
GND (Steering Wheel)

Size at pin: 0.75

IPG01-C BK 0.75 FLRY
292.464 1067960-XX-E, 1117960-XX-A (J)

Z1-IPG01

IPG01-F BK 0.35 FLRY
RHD && REAP 236.061553 1067960-XX-E, 1117960-XX-A (J)

RHD && REAP
ETC
J

ETC02-A GN 0.35 FLRY
RHD && REAP 736.784553 1067960-XX-E, 1117960-XX-A (J)

ETC01-A RD 0.35 FLRY
RHD && REAP 736.784553 1067960-XX-E, 1117960-XX-A (J)

X695-1 Power In
ACC

X695-2 Ground Return
GND

Size at pin: 0.35

X695-3 Power - Always On
BATT+

Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X035-20 High-Side Drive
Accessory Feed 2

OBD01-A GN 0.50 FLRY
LHD && REAP 217.545085 1067960-XX-E, 1117960-XX-A (J)

X035-33 High-Side Drive
Accessory Feed 1

OBD02-A RD 0.50 FLRY
LHD && REAP 217.545085 1067960-XX-E, 1117960-XX-A (J)

X035-15 LIN
OBD LIN

OBD04-A WH 0.50 FLRY
LHD && REAP 217.545085 1067960-XX-E, 1117960-XX-A (J)

X035-25 High-Side Drive
Accessory Feed - Always On

OBD03-A YE 0.50 FLRY
LHD && REAP 217.545085 1067960-XX-E, 1117960-XX-A (J)

X035-34 CAN-P
OBD CAN P

OBD05-A BN 0.50 FLRY
LHD && REAP 217.545085 1067960-XX-E, 1117960-XX-A (J)

TWIST-CAN_OBD03-A

X035-35 CAN-N
OBD CAN N

OBD06-A VT 0.50 FLRY
LHD && REAP 217.545085 1067960-XX-E, 1117960-XX-A (J)

LHD && REAP
OBD-II
J

X181-3 Power In
Accessory

X181-16 Power In
VBATT

X181-8 LIN
LIN

X181-11 Power-Always On
Accessory - Always On

X181-6 CAN-P
CAN-P

X181-4 Ground-Chassis
Ground

X181-14 CAN-N
CAN-N

X181-5 Ground-Chassis
Ground

IPG01-I BK 0.35 FLRY
LHD && REAP 292.268085 1067960-XX-E, 1117960-XX-A (J)

IPG01-J BK 0.35 FLRY
LHD && REAP 292.268085 1067960-XX-E, 1117960-XX-A (J)

X035-11 Ground Return
Dashboard Harness Ground Return

IPG01-A BK 2.00 FLRY
500.723 1067960-XX-E, 1117960-XX-A (J)

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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
	2	12 OF 45	A0

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HCU/ESP
W

X151-19 Digital Out
LF WSS SIG

X151-8 Digital In
LF WSS RTN

TWIST_ABS01-A

+ABS01-A YE 0.35 FLRY
1538.0 1567964-XX-A (W)

+ABS02-A WH 0.35 FLRY
1538.0 1567964-XX-A (W)

TWIST_ABS01-A

X154

Wheel Speed Sensor LF
W

X154-1 Power In
Power In

X154-2 Signal Return
Signal Return

X151-16 Digital Out
RF WSS SIG

X151-4 Digital In
RF WSS RTN

TWIST_ABS03-A

+ABS03-A BU 0.35 FLRY
2677.183117 1567964-XX-A (W)

+ABS04-A GY 0.35 FLRY
2677.183117 1567964-XX-A (W)

TWIST_ABS03-A

X155

Wheel Speed Sensor RF
W

X155-1 Power In
Power In

X155-2 Signal Return
Signal Return

X151-31 Digital Out
LR WSS SIG

X151-18 Digital In
LR WSS RTN

TWIST_ABS05-B

+ABS05-B OG 0.35 FLRY
1989.500001 1567964-XX-A (W)

+ABS06-B GN 0.35 FLRY
1989.500001 1567964-XX-A (W)

X908F 16 16 X908M
X908F 17 17 X908M

TWIST_ABS05-C

+ABS05-C OG 0.35 FLRY
2891.4966 1067955-XX-G (B)

+ABS06-C GN 0.35 FLRY
2891.4966 1067955-XX-G (B)

X952M 2 2 X952F
X952M 3 3 X952F

+ABS05-A OG 0.35 FLRY
1368.0 1067968-XX-E (X)

+ABS06-A GN 0.35 FLRY
1368.0 1067968-XX-E (X)

TWIST_ABS05-A

X156

Wheel Speed Sensor LR
X

X156-1 Power In
Power In

X156-2 Signal Return
Signal Return

X151-17 Digital Out
RR WSS SIG

X151-29 Digital In
RR WSS RTN

TWIST_ABS07-B

+ABS07-B WH 0.35 FLRY
1989.500001 1567964-XX-A (W)

+ABS08-B VT 0.35 FLRY
1989.500001 1567964-XX-A (W)

X908F 3 3 X908M
X908F 4 4 X908M

TWIST_ABS07-C

+ABS07-C WH 0.35 FLRY
2891.4966 1067955-XX-G (B)

+ABS08-C VT 0.35 FLRY
2891.4966 1067955-XX-G (B)

X952M 4 4 X952F
X952M 5 5 X952F

+ABS07-A WH 0.35 FLRY
1124.0 1067968-XX-E (X)

+ABS08-A VT 0.35 FLRY
1124.0 1067968-XX-E (X)

TWIST_ABS07-A

X157

Wheel Speed Sensor RR
X

X157-1 Power In
Power In

X157-2 Signal Return
Signal Return

X151-1 Power In
+12V_MR

+ABS91-A OG 4 FLXB
816.000001 1567964-XX-A (W)

X151-13 Ground-Chassis
GND_MR

G030-A BK 4 FLXB
721.0 1567964-XX-A (W)

X151-25 Power In
+12V_VR

+ABS92-A YE 1.50 FLRY
865.000001 1567964-XX-A (W)

X151-38 Ground-Chassis
GND_ECU

G031-A BK 1.50 FLRY
721.0 1567964-XX-A (W)

X151-14 CAN
CAN - Yaw (Priv)

X151-26 CAN
CAN + Yaw

X151-33 CAN
CAN + Chassis

X151-20 CAN
CAN - Chassis

X151

TWIST_CAN_CPT01-N

+CPT02-N WH 0.35 FLRY
315.356343 1567964-XX-A (W)

+CPT01-N BU 0.35 FLRY
312.450249 1567964-XX-A (W)

Z2-+CPT02

Z2-+CPT01

+CPT02-M WH 0.35 FLRY
LHD 338.643658 1567964-XX-A (W)

+CPT01-M BU 0.35 FLRY
LHD 341.549752 1567964-XX-A (W)

TWIST_CAN_CPT01-M

TWIST_CAN_CCH01-A

+CCH01-A YE 0.35 FLRY
627.539909 1567964-XX-A (W)

+CCH02-A BU 0.35 FLRY
633.961708 1567964-XX-A (W)

Z1-+CCH01

Z1-+CCH02

+CCH01-C YE 0.35 FLRY
LHD 681.53991 1567964-XX-A (W)

+CCH02-C BU 0.35 FLRY
LHD 687.961709 1567964-XX-A (W)

TWIST_CAN_CCH01-C

LHD
iBooster & DTS
W X150 X158 X159

X150-10 CAN-N
Party_CAN1 Negative (-)

X150-18 CAN-P
Party_CAN1 Positive (+)

X150-25 CAN
Veh_CAN2 Positive (+)

X150-16 CAN-N
Veh_CAN2 Negative (-)

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

X150-9 Ground-Chassis
GND_ECU [ground to Chassis for both logic and motor power and wakeup]

X150

+BRK01-A RD 4.00 FLRB
LHD 479.0 1567964-XX-A (W)

+G018-A BK 4.00 FLRB
LHD 662.25 1567964-XX-A (W)

LHD
iBooster & DTS
W X150 X158 X159

X158-2 Power In
VRef_U5V [power from ECU]

X158-1 Hall Sensor Out
PTS1 [digital out]

X158-3 Hall Sensor Out
PTS2 [digital out]

X158-4 Ground Return
AGnd_Pos [ground to ECU]

X158

+ABS21-A GN 0.50 FLRY
LHD 404.0 1567964-XX-A (W)

+ABS22-A YE 0.50 FLRY
LHD 404.0 1567964-XX-A (W)

+ABS23-A BU 0.50 FLRY
LHD 404.0 1567964-XX-A (W)

+ABS24-A GY 0.50 FLRY
LHD 404.0 1567964-XX-A (W)

X150

X150-2 Vref Output
VRef_U5VExt [DTS power from ECU]

X150-22 Hall Sensor In
PTS1 [hall effect signal 1]

X150-23 Hall Sensor In
PTS2 [hall effect signal 2]

X150-8 Ground Return
AGnd_Pos [DTS ground from ECU]

RHD
iBooster & DTS (RHD)
W X150A X158A X159A

Z3-+CPT02

Z3-+CPT01

TWIST-CAN_CPT01-S

+CPT02-S WH 0.13 MCIV
RHD 749.254435 1567964-XX-A (W)

+CPT01-S BU 0.13 MCIV
RHD 781.476878 1567964-XX-A (W)

Z1-+CCH05

Z1-+CCH06

TWIST-CAN_CCH05-D

+CCH05-D VT 0.13 MCIV
RHD 1172.333297 1567964-XX-A (W)

+CCH06-D RD 0.13 MCIV
RHD 1179.495156 1567964-XX-A (W)

X150A-10 CAN-N
Party_CAN1 Negative (-)

X150A-18 CAN-P
Party_CAN1 Positive (+)

X150A-25 CAN
Veh_CAN2 Positive (+)

X150A-16 CAN-N
Veh_CAN2 Negative (-)

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

X150A-9 Ground-Chassis
GND_ECU [ground to Chassis for both logic and motor power and wakeup]

X150A

+BRK01_R-A RD 4.00 FLRB
RHD 1209.020797 1567964-XX-A (W)

+G018_R-A BK 4.00 FLRB
RHD 970.270797 1567964-XX-A (W)

RHD
iBooster & DTS (RHD)
W X150A X158A X159A

X158A-2 Power In
VRef_U5V [power from ECU]

X158A-1 Hall Sensor Out
PTS1 [digital out]

X158A-3 Hall Sensor Out
PTS2 [digital out]

X158A-4 Ground Return
AGnd_Pos [ground to ECU]

X158A

+ABS21_R-A GN 0.50 FLRY
RHD 485.055876 1567964-XX-A (W)

+ABS22_R-A YE 0.50 FLRY
RHD 485.055876 1567964-XX-A (W)

+ABS23_R-A BU 0.50 FLRY
RHD 485.055876 1567964-XX-A (W)

+ABS24_R-A GY 0.50 FLRY
RHD 485.055876 1567964-XX-A (W)

X150A

X150A-2 Vref Output
VRef_U5VExt [DTS power from ECU]

X150A-22 Hall Sensor In
PTS1 [hall effect signal 1]

X150A-23 Hall Sensor In
PTS2 [hall efect signal 2]

X150A-8 Ground Return
AGnd_Pos [DTS ground from ECU]

Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X030-51 Half-Bridge
Parking Brake Apply

X030-52 Half-Bridge
Parking Brake Release

X030

TWIST_ABS51-A

+ABS51-A RD 1.50 FLRY
4058.56163 2067954-XX-B (A)

+ABS52-A BK 1.50 FLRY
4058.56163 2067954-XX-B (A)

TWIST_ABS51-A

X162

EPB Left
A

X162-1 Power In
Power - Apply

X162-2 Power In
Power - Release

Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

X050-32 Half-Bridge
Parking Brake Apply

X050-31 Half-Bridge
Parking Brake Release

X050

TWIST_ABS53-A

+ABS53-A GN 1.50 FLRY
4386.4394 1067955-XX-G (B)

+ABS54-A BK 1.50 FLRY
4386.4394 1067955-XX-G (B)

TWIST_ABS53-A

X163

EPB Right
B

X163-1 Power In
Power In

X163-2 Power In
Power In

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Brake Controls

PART NUMBER	REV	SHEET	SIZE
	2	13 OF 45	A0

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HCU/ESP
W
X151-33 CAN CAN + Chassis
X151-20 CAN CAN - Chassis
X151
TWIST-CAN_CCH01-A
+CCH01-A YE 0.35 FLRY 627.539909 1567964-XX-A (W)
+CCH02-A BU 0.35 FLRY 633.961708 1567964-XX-A (W)
Z1-+CCH01
Z1-+CCH02
+CCH01-E YE 0.13 MCIV 1288.539909 1567964-XX-A (W)
+CCH02-E BU 0.13 MCIV 1294.961708 1567964-XX-A (W)
TWIST-CAN_CCH01-E
X037
Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038
X037-13 Pass-through Chassis CAN Passthrough P
X037-14 Pass-through Chassis CAN Passthrough N

LHD
iBooster & DTS
W X150X158X159
+CCH01-C YE 0.35 FLRY ***LHD*** 681.53991 1567964-XX-A (W)
+CCH02-C BU 0.35 FLRY ***LHD*** 687.961709 1567964-XX-A (W)
TWIST-CAN_CCH01-C
X150
X150-25 CAN Veh_CAN2 Positive (+)
X150-16 CAN-N Veh_CAN2 Negative (-)

LHD
EPAS (LHD)
W X190 X191 X192 X193
+CCH01-B YE 0.13 MCIV ***LHD*** 758.460091 1567964-XX-A (W)
+CCH02-B BU 0.13 MCIV ***LHD*** 752.038292 1567964-XX-A (W)
TWIST-CAN_CCH01-B
X193
X193-2 CAN-P CAN2_HI
X193-3 CAN-N CAN2_LO

RHD
Autopilot ECU (RHD)
W,J,B,A X120A X121A X122A X800A X801A X830A X838A X870A X881A X890A X981A
X121A-9 CAN-P CH-CAN-H
X121A-10 CAN-N CH-CAN-L
X121A
TWIST-CAN_CCH01-G
+CCH01-G YE 0.13 MCIV ***RHD*** 1312.202429 1567964-XX-A (W)
+CCH02-G BU 0.13 MCIV ***RHD*** 1318.624228 1567964-XX-A (W)

RHD
EPAS (RHD)
W X190A X191A X192A X193A
+CCH01-F YE 0.13 MCIV ***RHD*** 889.460091 1567964-XX-A (W)
+CCH02-F BU 0.13 MCIV ***RHD*** 883.038292 1567964-XX-A (W)
TWIST-CAN_CCH01-F
X193A
X193A-2 CAN-P CAN2_HI
X193A-3 CAN-N CAN2_LO

+CCH03-A GY 0.13 MCIV 1019.671168 2067954-XX-B (A)
+CCH04-A BN 0.13 MCIV 1019.612795 2067954-XX-B (A)
Z1-+CCH03
Z1-+CCH04
+CCH03-C GY 0.13 MCIV 935.440664 2067954-XX-B (A)
+CCH04-C BN 0.13 MCIV 935.499037 2067954-XX-B (A)
TWIST-CAN_CCH03-C
X031
X031-18 Pass-through Chassis CAN Passthrough P
X031-19 Pass-through Chassis CAN Passthrough N

+CCH03-E GY 0.13 MCIV 2451.202966 2067954-XX-B (A)
+CCH04-E BN 0.13 MCIV 2451.144593 2067954-XX-B (A)

TPMS
A
X148-3 CAN CAN H
X148-4 CAN CAN L
X148
TWIST-CAN_CCH03-E

Restraints Controller
A,J X200 X201
X201-48 CAN-P CAN+ Chassis
X201-47 CAN-N CAN- Chassis
X201
+CCH03-D GY 0.35 FLRY 852.820966 2067954-XX-B (A)
+CCH04-D BN 0.35 FLRY 852.762593 2067954-XX-B (A)
TWIST-CAN_CCH03-D

PASSN
OCS
Y X241
X652-2 CAN CAN-H
X652-1 CAN CAN-L
X652
TWIST_CCH01_FLS-A
+CCH01_FLS-A GN 0.13 MCIV ***LHST && PASSN*** 1715.0 1076116-XX-F (Y)
+CCH02_FLS-A YE 0.13 MCIV ***LHST && PASSN*** 1715.0 1076116-XX-F (Y)
X032
X032-39 Pass-through Chassis CAN Passthrough P
X032-38 Pass-through Chassis CAN Passthrough N

TWIST-CAN_CCH03-A
X935F 9 X935M
X935F 10 X935M
+CCH03-B GY 0.13 MCIV 1360.244 1067955-XX-G (B)
+CCH04-B BN 0.13 MCIV 1360.244 1067955-XX-G (B)
TWIST-CAN_CCH03-B
X051
Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058
X051-24 CAN-P Chassis CAN P
X051-23 CAN-N Chassis CAN N

Park ECU Chassis CAN internal to controller

LHD
Autopilot ECU
W,J,B X003 X120 X121 X122 X800 X801 X830 X838 X870 X881 X890 X891
X121-9 CAN-P CH-CAN-H
X121-10 CAN-N CH-CAN-L
X121
TWIST-CAN_CCH05-B
+CCH05-B VT 0.13 MCIV ***LHD*** 303.995192 1567964-XX-A (W)
+CCH06-B RD 0.13 MCIV ***LHD*** 296.833333 1567964-XX-A (W)
Z1-+CCH05
Z1-+CCH06
+CCH05-C VT 0.13 MCIV ***LHD*** 283.3125 1567964-XX-A (W)
+CCH06-C RD 0.13 MCIV ***LHD*** 290.474359 1567964-XX-A (W)
TWIST-CAN_CCH05-C
X057
X057-13 CAN-P Chassis CAN P
X057-14 CAN-N Chassis CAN N

PASSN
OCS
Y X241
X652-2 CAN CAN-H
X652-1 CAN CAN-L
X652
TWIST_CCH05_FRS-A
+CCH05_FRS-A GN 0.13 MCIV ***PASSN && RHST*** 1715.0 1076116-XX-F (Y)
+CCH06_FRS-A YE 0.13 MCIV ***PASSN && RHST*** 1715.0 1076116-XX-F (Y)
X052
X052-44 CAN-P Chassis CAN P
X052-45 CAN-N Chassis CAN N

LHD
MCU (LHD)
W,B X170 X171 X172 X173 X174 X802 X803 X804 X831 X859 X860 X863 X864
X170-1 CAN-P CH-CAN-H
X170-2 CAN-N CH-CAN-L
X170
TWIST-CAN_CCH05-A
+CCH05-A VT 0.13 MCIV 153.995192 1567964-XX-A (W)
+CCH06-A RD 0.13 MCIV 146.833333 1567964-XX-A (W)

RHD
MCU (RHD)
W, B X170A X171A X172A X173A X174A X802A X803A X804A X831A X859A X860A X863A X864A
X170A-1 CAN-P CH-CAN-H
X170A-2 CAN-N CH-CAN-L
X170A
TWIST-CAN_CCH05-E
+CCH05-E VT 0.13 MCIV ***RHD*** 2743.684452 1567964-XX-A (W)
+CCH06-E RD 0.13 MCIV ***RHD*** 2750.846311 1567964-XX-A (W)

+CCH05-D VT 0.13 MCIV ***RHD*** 1172.333297 1567964-XX-A (W)
+CCH06-D RD 0.13 MCIV ***RHD*** 1179.495156 1567964-XX-A (W)
TWIST-CAN_CCH05-D

RHD
iBooster & DTS (RHD)
W X150A X158A X159A
X150A
X150A-25 CAN Veh_CAN2 Positive (+)
X150A-16 CAN-N Veh_CAN2 Negative (-)

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: CAN Chassis

PART NUMBER	REV	SHEET	SIZE
	2	14 OF 45	A0

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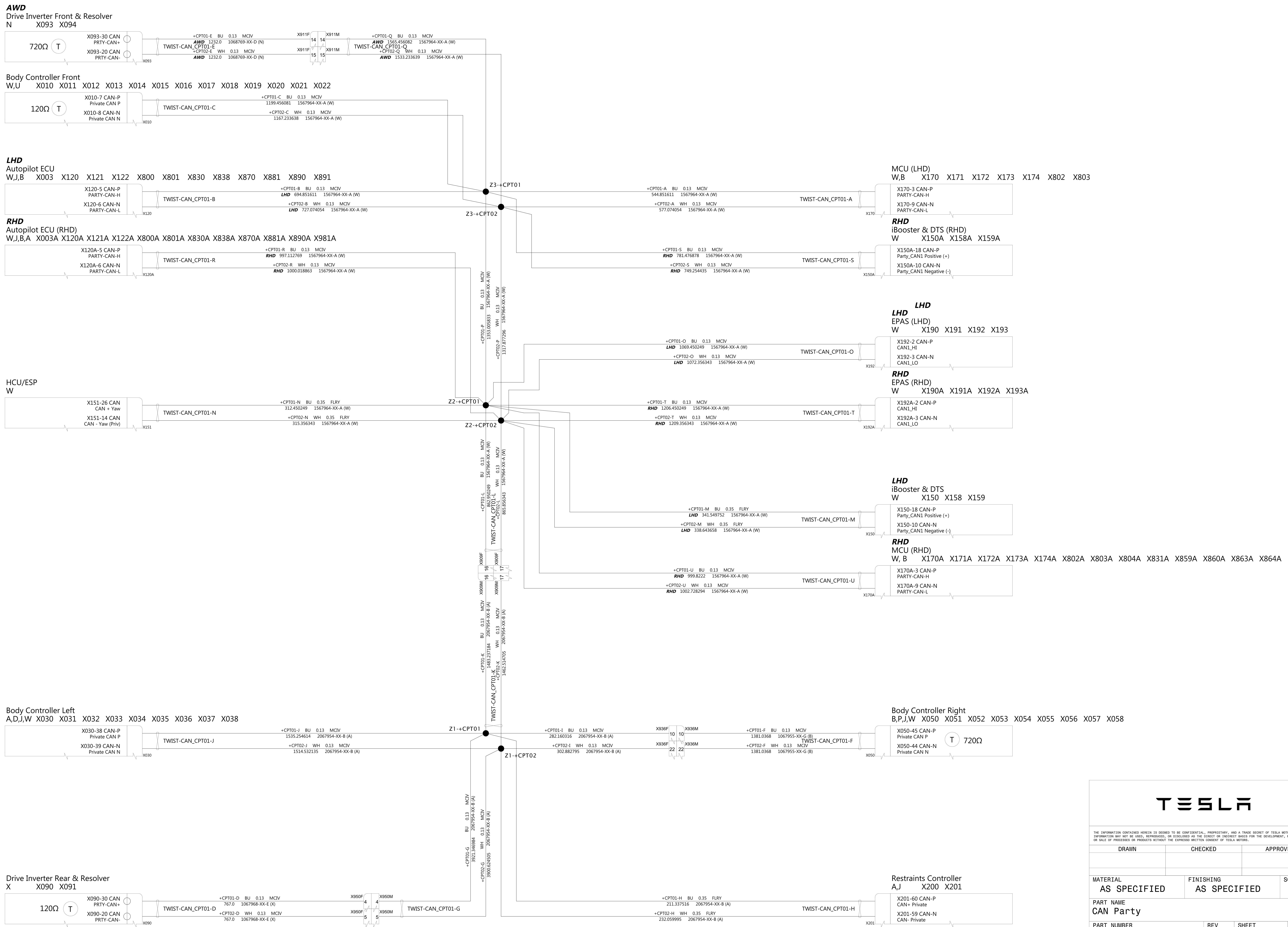

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
CAN Party

PART NUMBER	REV	SHEET	SIZE
	2	15 OF 45	A0

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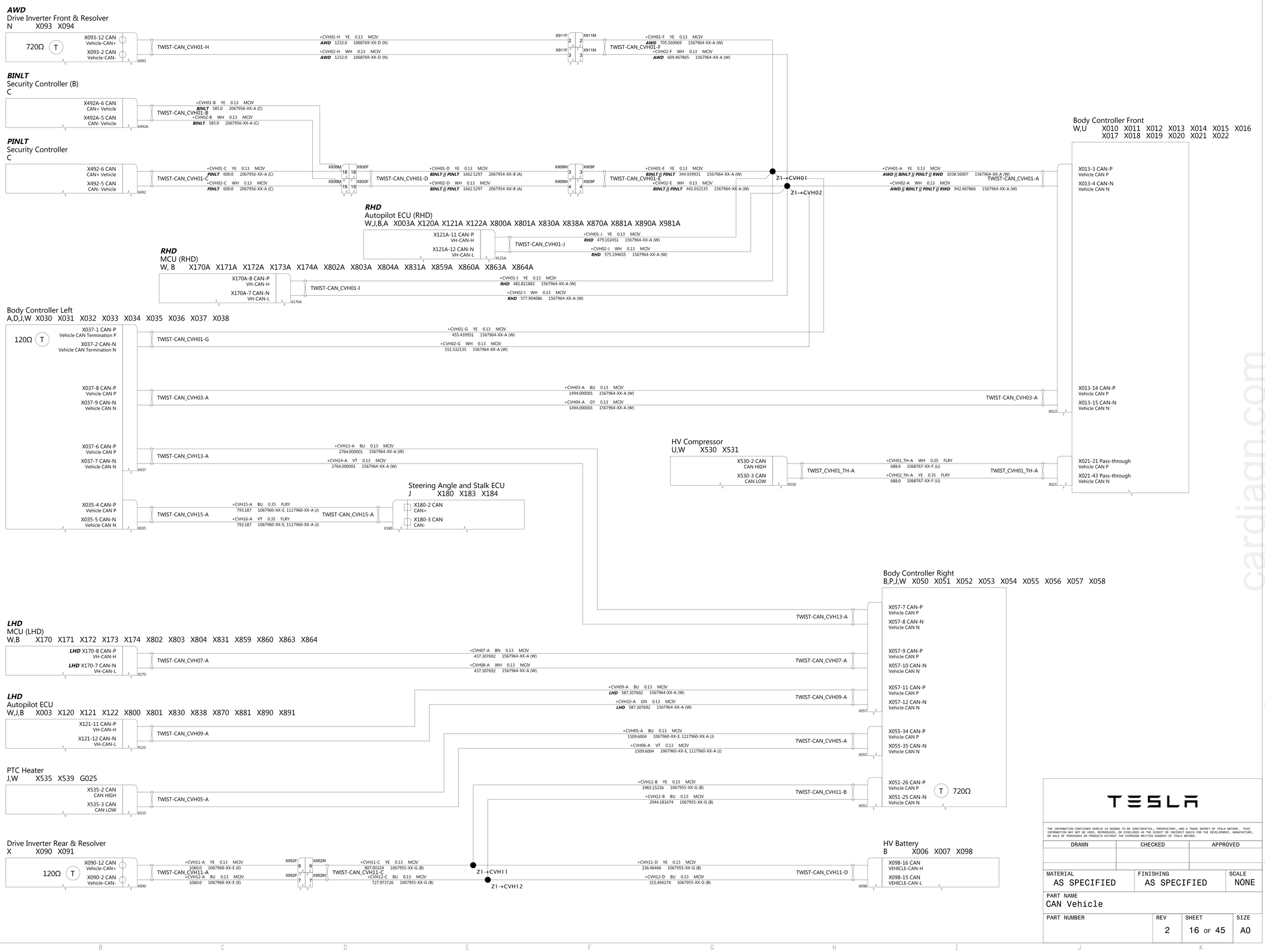

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: CAN Vehicle

PART NUMBER	REV	SHEET	SIZE
	2	16 OF 45	A0

CPSAE
Charge Port Inlet, SAE
E

Charge Port ECU
A X096 X687 X688

X311-PROX Analog Out Prox	X311	HVI11-A YE/GY 0.50 FLRY ***CPSAE*** 17.25 1096173-XX-B (E)	X688-4 Analog In Prox-IN-1-H
		HVI12-B YE/GY 0.50 FLRY ***CPSAE*** 17.25 1096173-XX-B (E)	X688-7 Analog In Prox-IN-1-L
X311-PILOT PWM Out Pilot		HVI13-A WH/VT 0.50 FLRY ***CPSAE*** 17.25 1096173-XX-B (E)	X688-16 PWM In PILOT-IN-1
X311-GND Ground Chassis Ground		HVI14-A GN 0.50 FLRY ***CPSAE*** 17.25 1096173-XX-B (E)	X688-18 Ground Return EVSE-PE
G043-1 Ground-Return Ground		HVI15-A GN 8 XLPE ***CPSAE*** 4.0 1096173-XX-B (E)	
X316-1 Analog Out Temp-In-1	X316	HVI05-A WH 0.35 FLRY ***CPSAE*** 15.75 1096173-XX-B (E)	X688-20 Analog In TEMP-IN-1
		HVI06-B WH/VT 0.50 FLRY ***CPSAE*** 15.75 1096173-XX-B (E)	X688-14 Ground Return GND THERM 1
X317-1 Analog Out Temp-In-2	X317	HVI07-A BK 0.50 FLRY ***CPSAE*** 16.25 1096173-XX-B (E)	X688-21 Analog In TEMP-IN-2
		HVI08-A BK 0.50 FLRY ***CPSAE*** 16.25 1096173-XX-B (E)	X688-19 Ground Return GND THERM 2
X312-3 High-Side Drive Latch 1 Drive 1	X312	HVI04-A VT 0.50 FLRY ***CPSAE*** 17.75 1096173-XX-B (E)	X688-12 High-Side Drive LATCH 1 DRIVE 1
X312-2 Digital Out Latch 1 Switch		HVI03-A RD/GN 0.50 FLRY ***CPSAE*** 17.75 1096173-XX-B (E)	X688-23 Digital In LATCH 1 SWITCH
X312-1 High-Side Drive Latch 1 Drive 2		HVI02-A BU 0.50 FLRY ***CPSAE*** 17.75 1096173-XX-B (E)	X688-24 High-Side Drive LATCH 1 DRIVE 2

CPIEC
Charge Port, IEC
E

Charge Port ECU
A X687 X688

X313-1 Analog Out Prox	X313	HVI11-B YE/GY 0.50 FLRY ***CPIEC*** 20.809017 1452298-XX-C (E)	X688-4 Analog In Prox-IN-1-H
		HVI12-C YE/GY 0.50 FLRY ***CPIEC*** 20.809017 1452298-XX-C (E)	X688-7 Analog In Prox-IN-1-L
X314-1 PWM In Pilot	X314	HVI13-B WH/VT 0.50 FLRY ***CPIEC*** 21.309017 1452298-XX-C (E)	X688-16 PWM In PILOT-IN-1
X315-1 Ground Return Ground	X315	HVI14-B GN 0.50 FLRY ***CPIEC*** 21.809017 1452298-XX-C (E)	X688-18 Ground Return EVSE-PE
X316-1 Analog Out TEMP-IN-1	X316	HVI05-B WH 0.35 FLRY ***CPIEC*** 22.309017 1452298-XX-C (E)	X688-20 Analog In TEMP-IN-1
		HVI06-C WH/VT 0.50 FLRY ***CPIEC*** 22.309017 1452298-XX-C (E)	X688-14 Ground Return GND THERM 1
X312A-3 High-Side Drive Latch 1 Drive 1	X312A	HVI04-B VT 0.50 FLRY ***CPIEC*** 20.309017 1452298-XX-C (E)	X688-12 High-Side Drive LATCH 1 DRIVE 1
X312A-2 Digital Out Latch 1 Switch		HVI03-B RD/GN 0.50 FLRY ***CPIEC*** 20.309017 1452298-XX-C (E)	X688-23 Digital In LATCH 1 SWITCH
X312A-1 High-Side Drive Latch 1 Drive 2		HVI02-B BU 0.50 FLRY ***CPIEC*** 20.309017 1452298-XX-C (E)	X688-24 High-Side Drive LATCH 1 DRIVE 2
X318-1 Analog Out TEMP-IN-3	X318	HVI09-A OG 0.35 FLRY ***CPIEC*** 22.809017 1452298-XX-C (E)	X688-22 Analog In TEMP-IN-3
		HVI10-A OG 0.35 FLRY ***CPIEC*** 22.809017 1452298-XX-C (E)	X688-8 Ground Return GND-THERM-3

CPGB
Charge Port, GB
E

Charge Port ECU
A X687 X688

X313-1 Analog Out Prox	X313	HVI11-C YE/GY 0.50 FLRY ***CPGB*** 26.059017 1459111-XX-B (E)	X688-4 Analog In Prox-IN-1-H
		HVI12-A YE/GY 0.50 FLRY ***CPGB*** 26.059017 1459111-XX-B (E)	X688-7 Analog In Prox-IN-1-L
X314-1 PWM In Pilot	X314	HVI13-C WH/VT 0.50 FLRY ***CPGB*** 27.559017 1459111-XX-B (E)	X688-16 PWM In PILOT-IN-1
X315-1 Ground Return Ground	X315	HVI14-C GN 0.50 FLRY ***CPGB*** 29.059017 1459111-XX-B (E)	X688-18 Ground Return EVSE-PE
X316-1 Analog Out Therm-DC	X316	HVI05-C WH 0.35 FLRY ***CPGB*** 29.559017 1459111-XX-B (E)	X688-20 Analog In TEMP-IN-1
		HVI06-A WH/VT 0.50 FLRY ***CPGB*** 29.559017 1459111-XX-B (E)	X688-14 Ground Return GND THERM 1
X312B-3 High-Side Drive Latch 1 Drive 1	X312B	HVI04-C VT 0.50 FLRY ***CPGB*** 25.559017 1459111-XX-B (E)	X688-12 High-Side Drive LATCH 1 DRIVE 1
X312B-2 Digital Out Latch 1 Switch		HVI03-C RD/GN 0.50 FLRY ***CPGB*** 25.559017 1459111-XX-B (E)	X688-23 Digital In LATCH 1 SWITCH
X312B-1 High-Side Drive Latch 1 Drive 2		HVI02-C BU 0.50 FLRY ***CPGB*** 25.559017 1459111-XX-B (E)	X688-24 High-Side Drive LATCH 1 DRIVE 2
X318-1 Analog Out Therm-AC	X318	HVI09-B OG 0.35 FLRY ***CPGB*** 30.059017 1459111-XX-B (E)	X688-22 Analog In TEMP-IN-3
		HVI10-B OG 0.35 FLRY ***CPGB*** 30.059017 1459111-XX-B (E)	X688-8 Ground Return GND-THERM-3
X313A-1 Analog Out Prox-CC1	X313A	HVI16-A GY 0.50 FLXA ***CPGB*** 26.559017 1459111-XX-B (E)	X688-2 Analog In PROX-CC1
X313B-1 Analog Out Prox-CC2	X313B	HVI17-A BN 0.50 FLXA ***CPGB*** 27.059017 1459111-XX-B (E)	X688-3 Analog In PROX-CC2
X314A-1 CAN-P Pilot S+	X313A	HVI18-A BK 0.50 FLXA ***CPGB*** 28.059017 1459111-XX-B (E)	X688-9 CAN-P CAN-H-S+
X314B-1 CAN-N Pilot S-	X313B	HVI19-A WH 0.50 FLXA ***CPGB*** 28.559017 1459111-XX-B (E)	X688-10 CAN-N CAN-H-S-

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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
	2	17 OF 45	A0

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Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X033-22 Ground Return
Window Front Hall Ground Return

X033-25 Half-Bridge
Window Front Motor Up

X033-26 Half-Bridge
Window Front Motor Down

X033-20 Hall Sensor In
Window Front Hall A

X033-21 Hall Sensor In
Window Front Hall B

TWIST_DCL01-A

DCL12-A BK 0.13 MCIV
2081.0 1067957-XX-F (D)

DCL01-A RD 1.50 FLRY
2081.0 1067957-XX-F (D)

DCL02-A OG 1.50 FLRY
2081.0 1067957-XX-F (D)

DCL13-A GN 0.13 MCIV
2081.0 1067957-XX-F (D)

DCL14-A BU 0.13 MCIV
2081.0 1067957-XX-F (D)

TWIST_DCL01-A

Window Lift Motor Front Left
D

X373-3 Ground Return
HALL REFERENCE

X373-1 Half-Bridge
MOTOR +

X373-5 Half-Bridge
MOTOR -

X373-2 Hall Sensor Out
HALL A

X373-4 Hall Sensor Out
HALL B

X373

X033-9 Digital In - Wake
Door Front Latch Open Puddle LED

X033-33 Digital In
Door Front Latch Endstop Switch

X033-24 Half-Bridge
Door Front Latch Release

X033-23 Half-Bridge
Door Front Latch Reset

DCL21-A VT 0.35 FLRY
1594.0 1067957-XX-F (D)

Puddle LED Front Left
D

X371-1 Power In
Power

X371-2 Analog In
Ground

X371

DCL22-A BN 0.35 FLRY
1620.0 1067957-XX-F (D)

DCL23-A WH 0.50 FLRY
1620.0 1067957-XX-F (D)

DCL24-A GY 0.50 FLRY
1620.0 1067957-XX-F (D)

DCL25-A OG 0.35 FLRY
1360.0 1067957-XX-F (D)

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-G BK 0.35 FLRY
1012.77945 1067957-XX-F (D)

X033-15 Analog In
Window Switchpack FL

X033-31 Analog In
Window Switchpack RR

X033-16 Analog In
Window Switchpack RL

X033-30 Analog In
Window Switchpack FR

X033-6 High-Side Drive
Door Front Window Switch LED

DCL31-A GN 0.13 MCIV
RHD 1853.0 1067957-XX-F (D)

DCL31-B GN 0.13 MCIV
LHD 1845.0 1067957-XX-F (D)

DCL32-A VT 0.13 MCIV
LHD 1845.0 1067957-XX-F (D)

DCL33-A BN 0.13 MCIV
LHD 1845.0 1067957-XX-F (D)

DCL34-A WH 0.13 MCIV
LHD 1845.0 1067957-XX-F (D)

DCL35-A GY 0.13 MCIV
LHD 1845.0 1067957-XX-F (D)

DCL35-B GY 0.13 MCIV
RHD 1853.0 1067957-XX-F (D)

LHD Window Switch Driver Front Left
D

X365-1 Analog Out
Front Left Window

X365-4 Analog Out
Rear Right Window

X365-3 Analog Out
Rear Left Window

X365-2 Analog Out
Front Right Window

X365-5 Power In
Illumination

X365-6 Ground Return

Size at pin: 0.35

X365

DCL80-A BK 0.35 FLRY
LHD 1237.77945 1067957-XX-F (D)

RHD Window Switch Pass Front Left
D

DCL31-A GN 0.13 MCIV
RHD 1853.0 1067957-XX-F (D)

DCL35-B GY 0.13 MCIV
RHD 1853.0 1067957-XX-F (D)

X369-2 Analog Out
Switch

X369-1 Power In
LED

X369-3 Ground Return
Ground

X369

DCL80-J BK 0.35 FLRY
RHD 1245.77945 1067957-XX-F (D)

X033-32 Analog In - Wake
Door Front Interior Handle Switch

X033-2 High-Side Drive
Door Front Interior Handle Switch LED

DCL41-A WH 0.13 MCIV
2094.0 1067957-XX-F (D)

DCL42-A YE 0.13 MCIV
2094.0 1067957-XX-F (D)

Interior Open Switch Front Left
D

X366-3 Digital Out
Switch

X366-2 PWM In
Illumination

X366-1 Ground Return
Ground

X366

DCL80-F BK 0.35 FLRY
1486.77945 1067957-XX-F (D)

X033-17 PWM In - Wake
Door Front Exterior Handle Sensor

X033-3 High-Side Drive
Door Front Exterior Handle Sensor 5v

DCL43-A BU 0.35 FLRY
1826.0 1067957-XX-F (D)

DCL44-A OG 0.35 FLRY
1826.0 1067957-XX-F (D)

Exterior Open Switch Front Left
D

X367-2 Analog Out
Out1

X367-4 Power In
Us

X367-1 Ground Return
GND

X367

DCL80-H BK 0.35 FLRY
1218.77945 1067957-XX-F (D)

X033-28 Half-Bridge
Mirror Tilt Up Down

X033-14 Half-Bridge
Mirror Tilt Common

X033-13 Half-Bridge
Mirror Tilt Left Right

DCL51-A VT 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)

DCL52-A YE 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)

DCL53-A WH 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)

DCL51-B VT 0.13 MCIV
BMIRR 1901.0 1067957-XX-F (D)

DCL52-B YE 0.13 MCIV
BMIRR 1901.0 1067957-XX-F (D)

DCL53-B WH 0.13 MCIV
BMIRR 1901.0 1067957-XX-F (D)

BMIRR Mirror Left Base
D

X374-1 Half-Bridge
Motor Tilt (Up- Down+)

X374-5 Half-Bridge
Motor Common

X374-3 Half-Bridge
Motor Pan (Left- Right+)

X374

DCL80-D BK 0.35 FLRY
PMIRR 1293.77945 1067957-XX-F (D)

DCL80-B BK 0.35 FLRY
PMIRR 1293.77945 1067957-XX-F (D)

DCL80-C BK 0.35 FLRY
PMIRR 1293.77945 1067957-XX-F (D)

DCL80-E BK 0.35 FLRY
PMIRR 1272.77945 1067957-XX-F (D)

Z1-DCL80

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

X033-18 High-Side Drive
Mirror Heat

DCL55-A RD 0.35 FLRY
PMIRR 1901.0 1067957-XX-F (D)

X376-1 High-Side Drive
Heater (+)

X376-13 Ground Return
Heater (-)

X033-1 Vref Output
Mirror Dim

DCL56-A BN 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)

X376-14 High-Side Drive
EC (+)

X376-7 Ground Return
EC (-)

X376

X033-10 Half-Bridge
Mirror Fold

X033-11 Half-Bridge
Mirror Unfold

X033-4 Vref Output
Mirror Tilt Position 5V

X033-35 Analog In
Mirror Tilt Position Up Down

X033-34 Analog In
Mirror Tilt Position Left Right

DCL58-A GN 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)

DCL59-A BU 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)

DCL60-A VT 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)

DCL61-A YE 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)

DCL62-A GY 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (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

PMIRR Door Map Pocket LED Front Left
D

X033-29 High-Side Drive
Door Front Map Pocket LED

DCL71-A RD 0.35 FLRY
PMIRR 1880.0 1067957-XX-F (D)

X370-1 PWM In
Power

X370-2 Ground Return
Ground

Size at pin: 0.35

X370

X033-27 Ground Return
Shared Door Ground Return

DCL80-I BK 1.50 FLRY
607.22055 1067957-XX-F (D)

X033

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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
	2	18 OF 45	A0

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Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

X053-7 Ground Return
Window Front Hall Ground Return

X053-35 Half-Bridge
Window Front Motor Up

X053-34 Half-Bridge
Window Front Motor Down

X053-9 Hall Sensor In
Window Front Hall A

X053-8 Hall Sensor In
Window Front Hall B

TWIST_DCR01-A

DCR12-A BK 0.13 MCIV
2081.0 1067963-XX-E (P)

DCR01-A RD 1.50 FLRY
2081.0 1067963-XX-E (P)

DCR02-A OG 1.50 FLRY
2081.0 1067963-XX-E (P)

DCR13-A GN 0.13 MCIV
2081.0 1067963-XX-E (P)

DCR14-A WH 0.13 MCIV
2081.0 1067963-XX-E (P)

TWIST_DCR01-A

Window Lift Motor Front Right
P

X403-3 Ground Return
HALL REFERENCE

X403-1 Half-Bridge
MOTOR +

X403-5 Half-Bridge
MOTOR -

X403-2 Hall Sensor Out
HALL A

X403-4 Hall Sensor Out
HALL B

X403

Puddle LED Front Right
P

X401-1 Power In
Power

X401-2 Analog In
Ground

X401

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

X053-27 Digital In
Door Front Latch Endstop Switch

X053-36 Half-Bridge
Door Front Latch Release

X053-37 Half-Bridge
Door Front Latch Reset

DCR21-A VT 0.35 FLRY
1594.0 1067963-XX-E (P)

DCR22-A BN 0.35 FLRY
1620.0 1067963-XX-E (P)

DCR23-A WH 0.50 FLRY
1620.0 1067963-XX-E (P)

DCR24-A GY 0.50 FLRY
1620.0 1067963-XX-E (P)

DCR25-A OG 0.35 FLRY
1360.0 1067963-XX-E (P)

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-G BK 0.35 FLRY
996.728117 1067963-XX-E (P)

X053-14 Analog In
Window Switchpack FL

X053-29 Analog In
Window Switchpack RR

X053-13 Analog In
Window Switchpack RL

X053-30 Analog In
Window Switchpack FR

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

DCR31-A RD 0.13 MCIV
RHD 1845.0 1067963-XX-E (P)

DCR32-A VT 0.13 MCIV
RHD 1845.0 1067963-XX-E (P)

DCR33-A BN 0.13 MCIV
RHD 1845.0 1067963-XX-E (P)

DCR36-B YE 0.13 MCIV
RHD 1845.0 1067963-XX-E (P)

DCR35-B GY 0.13 MCIV
RHD 1845.0 1067963-XX-E (P)

DCR36-A YE 0.13 MCIV
LHD 1853.0 1067963-XX-E (P)

DCR35-A GY 0.13 MCIV
LHD 1853.0 1067963-XX-E (P)

RHD
Window Switch Driver Front Right
P

X395-1 Analog Out
Front Left Window

X395-4 Analog Out
Rear Right Window

X395-3 Analog Out
Rear Left Window

X395-2 Analog Out
Front Right Window

X395-5 Power In
Illumination

X395-6 Ground Return
Ground

X395

DCR80-J BK 0.35 FLRY
RHD 1221.728117 1067963-XX-E (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-A BK 0.35 FLRY
LHD 1229.728117 1067963-XX-E (P)

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

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

DCR41-A GY 0.13 MCIV
2094.0 1067963-XX-E (P)

DCR42-A YE 0.13 MCIV
2094.0 1067963-XX-E (P)

Interior Open Switch Front Right
P

X396-3 Digital Out
Switch

X396-2 PWM In
Illumination

X396-1 Ground Return
Ground

X396

DCR80-F BK 0.35 FLRY
1470.728117 1067963-XX-E (P)

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

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

DCR43-A BU 0.35 FLRY
1826.0 1067963-XX-E (P)

DCR44-A GN 0.35 FLRY
1826.0 1067963-XX-E (P)

Exterior Open Switch Front Right
P

X397-2 Analog Out
Out1

X397-4 Power In
Us

X397-1 Ground Return
GND

X397

DCR80-H BK 0.35 FLRY
1202.728117 1067963-XX-E (P)

BMIRR
Mirror Right Base
P

X404-1 Half-Bridge
Motor Tilt (Up- Down+)

X404-5 Half-Bridge
Motor Common

X404-3 Half-Bridge
Motor Pan (Left- Right+)

X404

X053-32 Half-Bridge
Mirror Tilt Up Down

X053-15 Half-Bridge
Mirror Tilt Common

X053-16 Half-Bridge
Mirror Tilt Left Right

DCR51-B VT 0.13 MCIV
BMIRR 1901.0 1067963-XX-E (P)

DCR52-B BU 0.13 MCIV
BMIRR 1901.0 1067963-XX-E (P)

DCR53-B WH 0.13 MCIV
BMIRR 1901.0 1067963-XX-E (P)

DCR51-A VT 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

DCR52-A BU 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

DCR53-A WH 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

DCR80-D BK 0.35 FLRY
PMIRR 1277.728117 1067963-XX-E (P)

DCR80-B BK 0.35 FLRY
PMIRR 1277.728117 1067963-XX-E (P)

DCR80-C BK 0.35 FLRY
PMIRR 1277.728117 1067963-XX-E (P)

DCR80-E BK 0.35 FLRY
PMIRR 1256.728117 1067963-XX-E (P)

Z1-DCR80

PMIRR
Mirror Right Premium
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

X406-1 High-Side Drive
Heater (+)

X406-13 Ground Return
Heater (-)

X406-14 High-Side Drive
EC (+)

X406-7 Ground Return
EC (-)

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

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

X406-4 Vref Input
Position Vref 5V

X406-5 Analog Out
Position Vertical (Tilt)

X406-12 Analog Out
Position Horizontal (Pan)

X406

X053-11 High-Side Drive
Mirror Heat

DCR55-A RD 0.35 FLRY
PMIRR 1901.0 1067963-XX-E (P)

X053-6 Vref Output
Mirror Dim

DCR56-A BN 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

X053-19 Half-Bridge
Mirror Fold

X053-18 Half-Bridge
Mirror Unfold

X053-3 Vref Output
Mirror Tilt Position 5V

X053-25 Analog In
Mirror Tilt Position Up Down

X053-26 Analog In
Mirror Tilt Position Left Right

DCR58-A YE 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

DCR59-A BN 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

DCR60-A VT 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

DCR61-A BU 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

DCR62-A GY 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

PMIRR
Door Map Pocket LED Front Right
P

X400-1 PWM In
Power

X400-2 Ground Return
Ground

Size at pin: 0.35

X400

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

DCR71-A RD 0.35 FLRY
PMIRR 1880.0 1067963-XX-E (P)

X053-33 Ground Return
Shared Door Ground Return

X053

DCR80-1 BK 1.50 FLRY
623.271883 1067963-XX-E (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
	2	19 OF 45	A0

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Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X031-16 PWM In - Wake
Door Rear Exterior Handle Sensor

X031-39 High-Side Drive
Door Rear Exterior Handle Sensor 5v

X031-14 Analog In
Window Switch Rear

X031-37 High-Side Drive
Door Rear Window Switch LED

X031-15 Analog In - Wake
Door Rear Interior Handle Switch

X031-38 High-Side Drive
Door Rear Interior Handle Switch LED

X031-40 Digital In - Wake
Door Rear Latch Open Puddle LED

X031-17 Digital In
Door Rear Latch Endstop Switch

X030-30 Half-Bridge
Door Rear Latch Release

X030-29 Half-Bridge
Door Rear Latch Reset

X030-48 Half-Bridge
Window Rear Motor Up

X030-49 Half-Bridge
Window Rear Motor Down

X030-22 Hall Sensor In
Window Rear Hall A

X030-21 Hall Sensor In
Window Rear Hall B

X030-20 High-Side Drive
Door Rear Map Pocket LED

X030-1 Ground Return
Door Rear Shared Ground Return

Exterior Open Switch Rear Left
R

X425-2 Analog Out
Out1
X425-4 Power In
Us
X425-1 Ground Return
GND

Window Switch RL
R

X432-2 Analog Out
Switch
X432-3 Ground Return
Ground
X432-1 Power In
LED

Interior Open Switch Rear Left
R

X426-3 Digital Out
Switch
X426-2 PWM In
Illumination
X426-1 Ground Return
Ground

Puddle LED Rear Left
R

X436-1 Power In
Power
X436-2 Analog In

Latch Rear Left
R

X427-8 Digital Out
AJAR/OPEN
X427-1 Digital Out
UNLATCH CAM POSITION
X427-4 Half-Bridge
UNLATCH OPEN
X427-3 Half-Bridge
UNLATCH RESET
X427-7 Signal Return
GND

Window Lift Motor Rear Left
R

X433-1 Half-Bridge
MOTOR +
X433-5 Half-Bridge
MOTOR -
X433-2 Hall Sensor Out
HALL A
X433-4 Hall Sensor Out
HALL B
X433-3 Ground Return
HALL REFERENCE

PINLT
Door Map Pocket LED Rear Left
R

X435-1 PWM In
Power
X435-2 Ground Return
Ground

Z1-DCL180

Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

X051-21 PWM In - Wake
Door Rear Exterior Handle Sensor

X051-36 High-Side Drive
Door Rear Exterior Handle Sensor 5v

X051-19 Analog In
Window Switch Rear

X051-34 High-Side Drive
Door Rear Window Switch LED

X051-20 Analog In - Wake
Door Rear Interior Handle Switch

X051-35 High-Side Drive
Door Rear Interior Handle Switch LED

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

X051-22 Digital In
Door Rear Latch Endstop Switch

X050-9 Half-Bridge
Door Rear Latch Release

X050-10 Half-Bridge
Door Rear Latch Reset

X050-35 Half-Bridge
Window Rear Motor Up

X050-34 Half-Bridge
Window Rear Motor Down

X050-17 Hall Sensor In
Window Rear Hall A

X050-18 Hall Sensor In
Window Rear Hall B

X050-19 High-Side Drive
Door Rear Map Pocket LED

X050-8 Ground Return
Door Rear Shared Ground Return

Exterior Open Switch Rear Right
S

X455-2 Analog Out
Out1
X455-4 Power In
Us
X455-1 Ground Return
GND

Window Switch RR
S

X462-2 Analog Out
Switch
X462-3 Ground Return
Ground
X462-1 Power In
LED

Interior Open Switch Rear Right
S

X456-3 Digital Out
Switch
X456-2 PWM In
Illumination
X456-1 Ground Return
Ground

Puddle LED Rear Right
S

X466-1 Power In
X466-2 Analog In
Ground

Latch Rear Right
S

X457-8 Digital Out
AJAR/OPEN
X457-1 Digital Out
UNLATCH CAM POSITION
X457-4 Half-Bridge
UNLATCH OPEN
X457-3 Half-Bridge
UNLATCH RESET
X457-7 Signal Return
GND

Window Lift Motor Rear Right
S

X463-1 Half-Bridge
MOTOR +
X463-5 Half-Bridge
MOTOR -
X463-2 Hall Sensor Out
HALL A
X463-4 Hall Sensor Out
HALL B
X463-3 Ground Return
HALL REFERENCE

PINLT
Door Map Pocket LED Rear Right
S

X465-1 PWM In
Power
X465-2 Ground Return
Gnd

Z1-DCR180

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: Doors Rear

PART NUMBER	REV	SHEET	SIZE
	2	20 OF 45	A0

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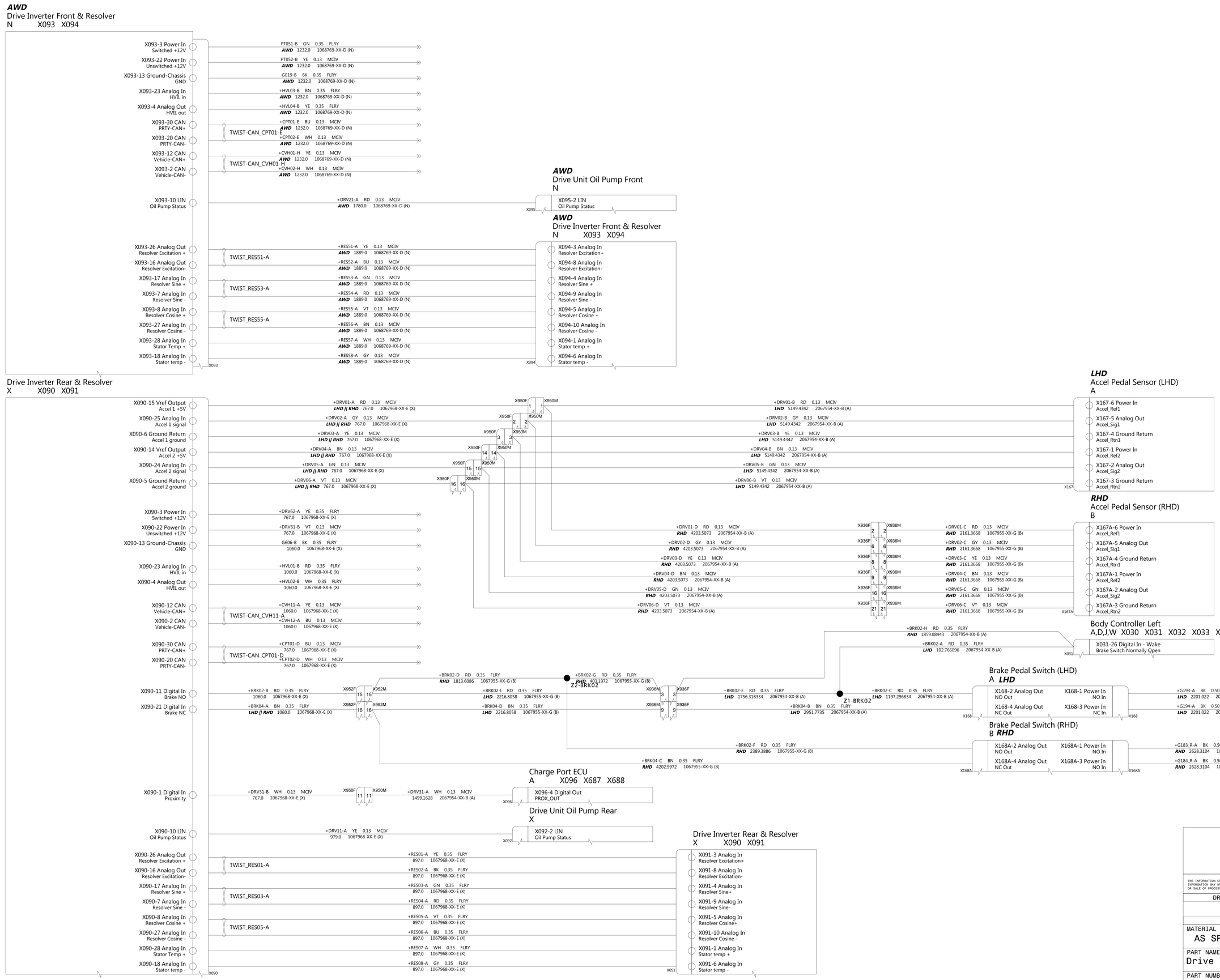

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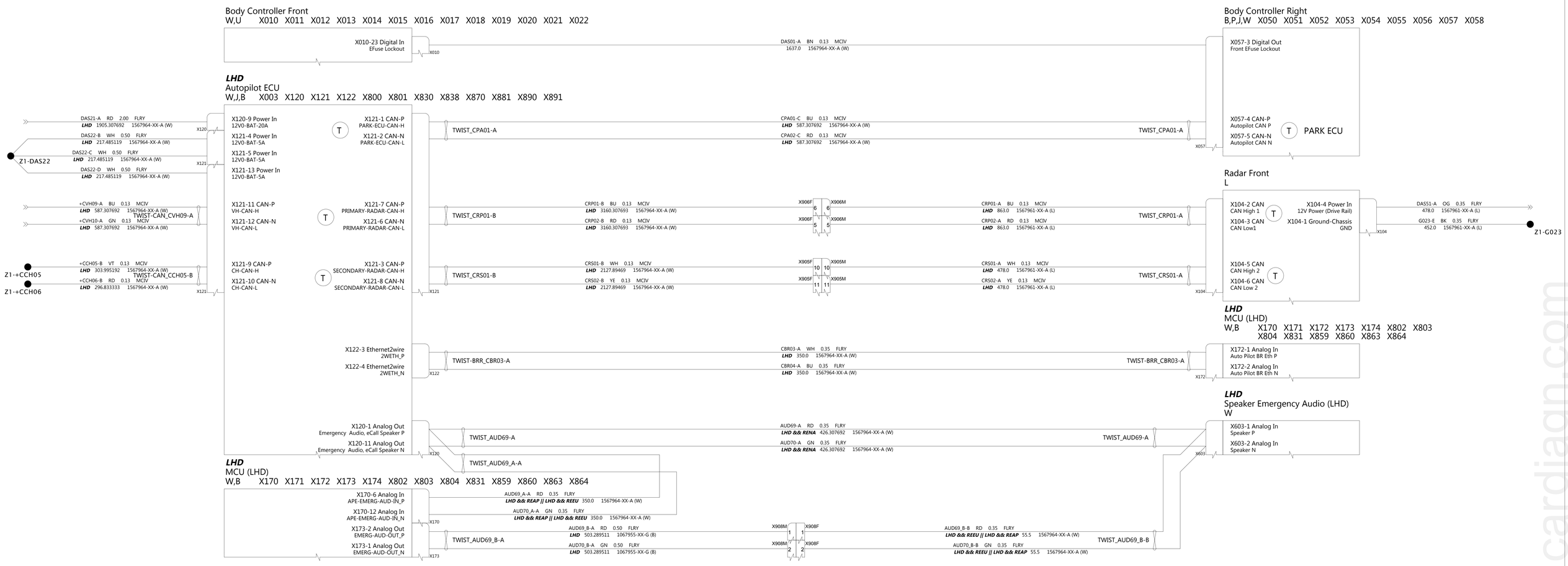
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Drive Inverters

PART NUMBER	REV	SHEET	SIZE
	2	21 OF 45	A0

cardiagn.com



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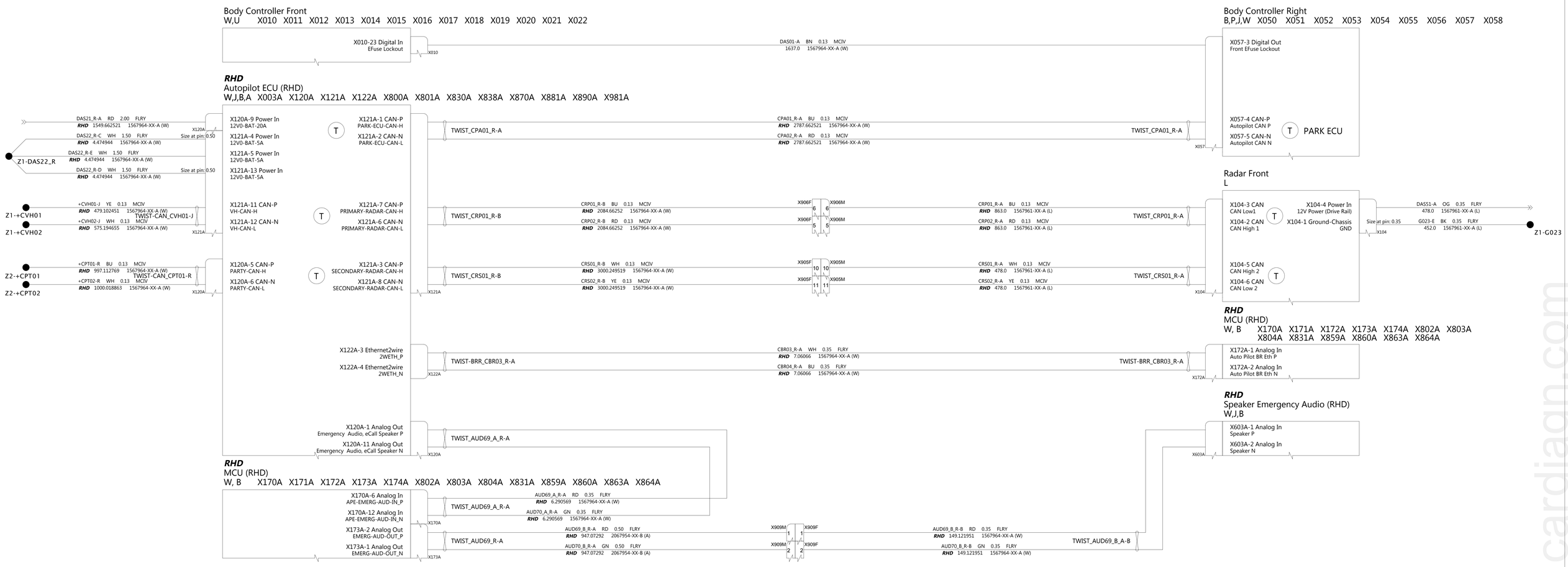
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Driver Assistance

PART NUMBER	REV	SHEET	SIZE
	2	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
	2	23 OF 45	A0

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Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X030-16 Ground Return
Headliner Shared Ground Return
X030

G702-G BK 0.35 FLRY
ECALL 324.21243 2067954-XX-B (A)

X981M 16 | 16 X981F

G702-E BK 0.50 FLRY
ECALL 1109.0 2067970-XX-A (K)

Vanity LED Right
K

X290-2 Ground Return
GND
X290

G702-D BK 0.35 FLRY
ECALL 1170.0 2067970-XX-A (K)

Vanity LED Left
K

X289-2 Ground Return
GND
X289

G702-B BK 0.35 FLRY
ECALL 195.0 2067970-XX-A (K)

Overhead Console Rear
K

X288-1 Ground Return
Ground
X288

G702-A BK 0.35 FLRY
ECALL 1514.0 2067970-XX-A (K)

Z1-G702

G702-C BK 0.35 FLRY
ECALL 472.25 2067970-XX-A (K)

Overhead Console Front eCall
K

X299-13 Ground Return
Ground Return
X299-6 High-Side Drive ***ECALL***
E-Call LED +
X299-12 Ground Return ***ECALL***
E-Call LED -
X299-14 Analog Out ***ECALL***
E-Call SOS Switch
X299-15 Analog Out ***ECALL***
E-Call Mic +
X299-16 Analog Out ***ECALL***
E-Call Mic -
X299

LHD
MCU (LHD)
W,B X170 X171 X172 X173 X174 X802 X803 X804 X831 X859 X860 X863 X864

ECALL X174-5 Analog Out
ECALL-SOS-LED_P
ECALL X174-4 Analog In
ECALL-SOS-LED_N
ECALL X174-6 Digital In
GSM-ECALL-nRSQT
ECALL X173-4 Analog In
ECALL-MIC-IN_P
ECALL X173-3 Analog In
ECALL-MIC-IN_N
X174 X173

TWIST_ECL04-B

ECL01-B WH 0.35 FLRY
ECALL && LHD 1979.933728 1067955-XX-G (B)
ECL02-B GN 0.35 FLRY
ECALL && LHD 1979.933728 1067955-XX-G (B)
ECL03-B VT 0.35 FLRY
ECALL && LHD 1979.933728 1067955-XX-G (B)
ECL04-B YE 0.35 FLRY
ECALL && LHD 1979.624711 1067955-XX-G (B)
ECL05-B BU 0.35 FLRY
ECALL && LHD 1979.624711 1067955-XX-G (B)

X937F 3 | 3 X937M
X937F 4 | 4 X937M
X937F 5 | 5 X937M
X937F 1 | 1 X937M
X937F 2 | 2 X937M

TWIST_ECL04-C

ECL01-C WH 0.35 FLRY
ECALL && LHD 1527.4525 2067954-XX-B (A)
ECL02-C GN 0.35 FLRY
ECALL && LHD 1527.4525 2067954-XX-B (A)
ECL03-C VT 0.35 FLRY
ECALL && LHD 1527.4525 2067954-XX-B (A)
ECL04-C YE 0.35 FLRY
ECALL && LHD 1527.4525 2067954-XX-B (A)
ECL05-C BU 0.35 FLRY
ECALL && LHD 1527.4525 2067954-XX-B (A)

X981M 17 | 17 X981F
X981M 12 | 12 X981F
X981M 15 | 15 X981F
X981M 13 | 13 X981F
X981M 14 | 14 X981F

TWIST_ECL04-A

ECL01-A WH 0.35 FLRY
ECALL 1581.25 2067970-XX-A (K)
ECL02-A GN 0.35 FLRY
ECALL 1581.25 2067970-XX-A (K)
ECL03-A VT 0.35 FLRY
ECALL 1581.25 2067970-XX-A (K)
ECL04-A YE 0.35 FLRY
ECALL 1581.25 2067970-XX-A (K)
ECL05-A BU 0.35 FLRY
ECALL 1581.25 2067970-XX-A (K)
X299

RHD
MCU (RHD)
W, B X170A X171A X172A X173A X174A X802A X803A X804A X831A X859A X860A X863A X864A

ECALL X174A-5 Analog Out
ECALL-SOS-LED_P
ECALL X174A-4 Analog In
ECALL-SOS-LED_N
ECALL X174A-6 Digital In
GSM-ECALL-nRSQT
ECALL X173A-4 Analog In
ECALL-MIC-IN_P
ECALL X173A-3 Analog In
ECALL-MIC-IN_N
X174A X173A

TWIST_ECL04_R-A

ECL01_R-B WH 0.35 FLRY
ECALL && RHD 1198.76792 2067954-XX-B (A)
ECL02_R-A GN 0.35 FLRY
ECALL && RHD 1198.76792 2067954-XX-B (A)
ECL03_R-B VT 0.35 FLRY
ECALL && RHD 1198.76792 2067954-XX-B (A)
ECL04_R-A YE 0.35 FLRY
ECALL && RHD 1199.26792 2067954-XX-B (A)
ECL05_R-A BU 0.35 FLRY
ECALL && RHD 1199.26792 2067954-XX-B (A)

ECALL
eCall Backup Battery
C

ECALL X174-2 Analog In
BKP-BATT-NTC_P
ECALL X174-1 Analog In
BKP-BATT-NTC_N
ECALL X173-6 Power In
BKP-BATT-P
ECALL X173-5 Power In
BKP-BATT-N
X174

ECL13-B YE 0.35 FLRY
ECALL && LHD 1979.933728 1067955-XX-G (B)
ECL12-B GN 0.35 FLRY
ECALL && LHD 1979.933728 1067955-XX-G (B)
ECL10-B RD 0.35 FLRY
ECALL && LHD 1979.624711 1067955-XX-G (B)
ECL11-B BK 0.35 FLRY
ECALL && LHD 1979.624711 1067955-XX-G (B)

X937F 8 | 8 X937M
X937F 7 | 7 X937M
X937F 9 | 9 X937M
X937F 10 | 10 X937M

ECL13-C YE 0.35 FLRY
ECALL && LHD 401.6178 2067954-XX-B (A)
ECL12-C GN 0.35 FLRY
ECALL && LHD 401.6178 2067954-XX-B (A)
ECL10-C RD 0.35 FLRY
ECALL && LHD 401.6178 2067954-XX-B (A)
ECL11-C BK 0.35 FLRY
ECALL && LHD 401.6178 2067954-XX-B (A)

X930F 23 | 23 X930M
X930F 22 | 22 X930M
X930F 20 | 20 X930M
X930F 21 | 21 X930M

ECL13-A YE 0.35 FLRY
ECALL 527.5 2067956-XX-A (C)
ECL12-A GN 0.35 FLRY
ECALL 527.5 2067956-XX-A (C)
ECL10-A RD 0.35 FLRY
ECALL 527.5 2067956-XX-A (C)
ECL11-A BK 0.35 FLRY
ECALL 527.5 2067956-XX-A (C)
X693

X693-2 Analog In
NTC +
X693-3 Analog In
NTC -
X693-4 Power - Always On
Battery +
X693-1 Ground Return
Battery -

RHD
MCU (RHD)
W, B X170A X171A X172A X173A X174A X802A X803A X804A X831A X859A X860A X863A X864A

ECALL X174A-2 Analog In
BKP-BATT-NTC_P
ECALL X174A-1 Analog In
BKP-BATT-NTC_N
ECALL X173A-6 Power In
BKP-BATT-P
ECALL X173A-5 Power In
BKP-BATT-N
X174A X173A

ECL13_R-B YE 0.35 FLRY
ECALL && RHD 2589.10262 2067954-XX-B (A)
ECL12_R-B GN 0.35 FLRY
ECALL && RHD 2589.10262 2067954-XX-B (A)
ECL10_R-B RD 0.35 FLRY
ECALL && RHD 2589.60262 2067954-XX-B (A)
ECL11_R-B BK 0.35 FLRY
ECALL && RHD 2589.60262 2067954-XX-B (A)

Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

Restraints Controller
A,J X200 X201

ECALL X173-8 PWM In
RCM-ENS-IN

+ENS10_B-B YE 0.35 FLRY
ECALL && LHD 503.289511 1067955-XX-G (B)

X908M 11 | 11 X908F

+ENS10_B-A YE 0.35 FLRY
ECALL && LHD 116.5 1567964-XX-A (W)

X057 X057-25 Pass-through eCall Passthrough
X055-21 Pass-through eCall Passthrough X055

+ENS10_A-A YE 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)
X200

X200-13 Low-Side Drive ***ECALL***
ENS (GTW)

RHD
MCU (RHD)
W, B X170A X171A X172A X173A X174A X802A X803A X804A X831A X859A X860A X863A X864A

ECALL X173A-8 PWM In
RCM-ENS-IN
X173A

+ENS10_B_R-B YE 0.35 FLRY
ECALL && RHD 947.07292 2067954-XX-B (A)

X909M 9 | 9 X909F

+ENS10_B_R-A YE 0.35 FLRY
ECALL && RHD 2653.500001 1567964-XX-A (W)

LHD
Speaker Emergency Audio (LHD)
W

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

TWIST_AUD69_B-A

AUD69_B-A RD 0.50 FLRY
LHD 503.289511 1067955-XX-G (B)
AUD70_B-A GN 0.50 FLRY
LHD 503.289511 1067955-XX-G (B)

X908M 1 | 1 X908F
X908M 2 | 2 X908F

AUD69_B-B RD 0.35 FLRY
LHD && RHD REEU || LHD && RHD REAP 55.5 1567964-XX-A (W)
AUD70_B-B GN 0.35 FLRY
LHD && RHD REEU || LHD && RHD REAP 55.5 1567964-XX-A (W)

TWIST_AUD69_B-B

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

LHD
Autopilot ECU
W,J,B X003 X120 X121 X122 X800 X801 X830 X838 X870 X881 X890 X891

X170-6 Analog In
APE-EMERG-AUD-IN_P
X170-12 Analog In
APE-EMERG-AUD-IN_N
X170

TWIST_AUD69_A-A

AUD69_A-A RD 0.35 FLRY
LHD && RHD REAP || LHD && RHD REEU 350.0 1567964-XX-A (W)
AUD70_A-A GN 0.35 FLRY
LHD && RHD REAP || LHD && RHD REEU 350.0 1567964-XX-A (W)

TWIST_AUD69_A-A

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

RHD
MCU (RHD)
W, B X170A X171A X172A X173A X174A X802A X803A X804A X831A X859A X860A X863A X864A

X173A-2 Analog Out
EMERG-AUD-OUT_P
X173A-1 Analog Out
EMERG-AUD-OUT_N
X173A

TWIST_AUD69_R-A

AUD69_B_R-A RD 0.50 FLRY
RHD 947.07292 2067954-XX-B (A)
AUD70_B_R-A GN 0.50 FLRY
RHD 947.07292 2067954-XX-B (A)

X909M 1 | 1 X909F
X909M 2 | 2 X909F

AUD69_B_R-B RD 0.35 FLRY
RHD 149.121951 1567964-XX-A (W)
AUD70_B_R-B GN 0.35 FLRY
RHD 149.121951 1567964-XX-A (W)

TWIST_AUD69_B_A-B

RHD
Speaker Emergency Audio (RHD)
W,J,B

X603A-1 Analog In
Speaker P
X603A-2 Analog In
Speaker N
X603A

RHD
Autopilot ECU (RHD)
W,J,B,A X003A X120A X121A X122A X800A X801A X830A X838A X870A X881A X890A X981A

X170A-6 Analog In
APE-EMERG-AUD-IN_P
X170A-12 Analog In
APE-EMERG-AUD-IN_N
X170A

TWIST_AUD69_A_R-A

AUD69_A_R-A RD 0.35 FLRY
RHD 6.290569 1567964-XX-A (W)
AUD70_A_R-A GN 0.35 FLRY
RHD 6.290569 1567964-XX-A (W)

TWIST_AUD69_A_R-A

X120A-1 Analog Out
Emergency Audio, eCall Speaker P
X120A-11 Analog Out
Emergency Audio, eCall Speaker N
X120A

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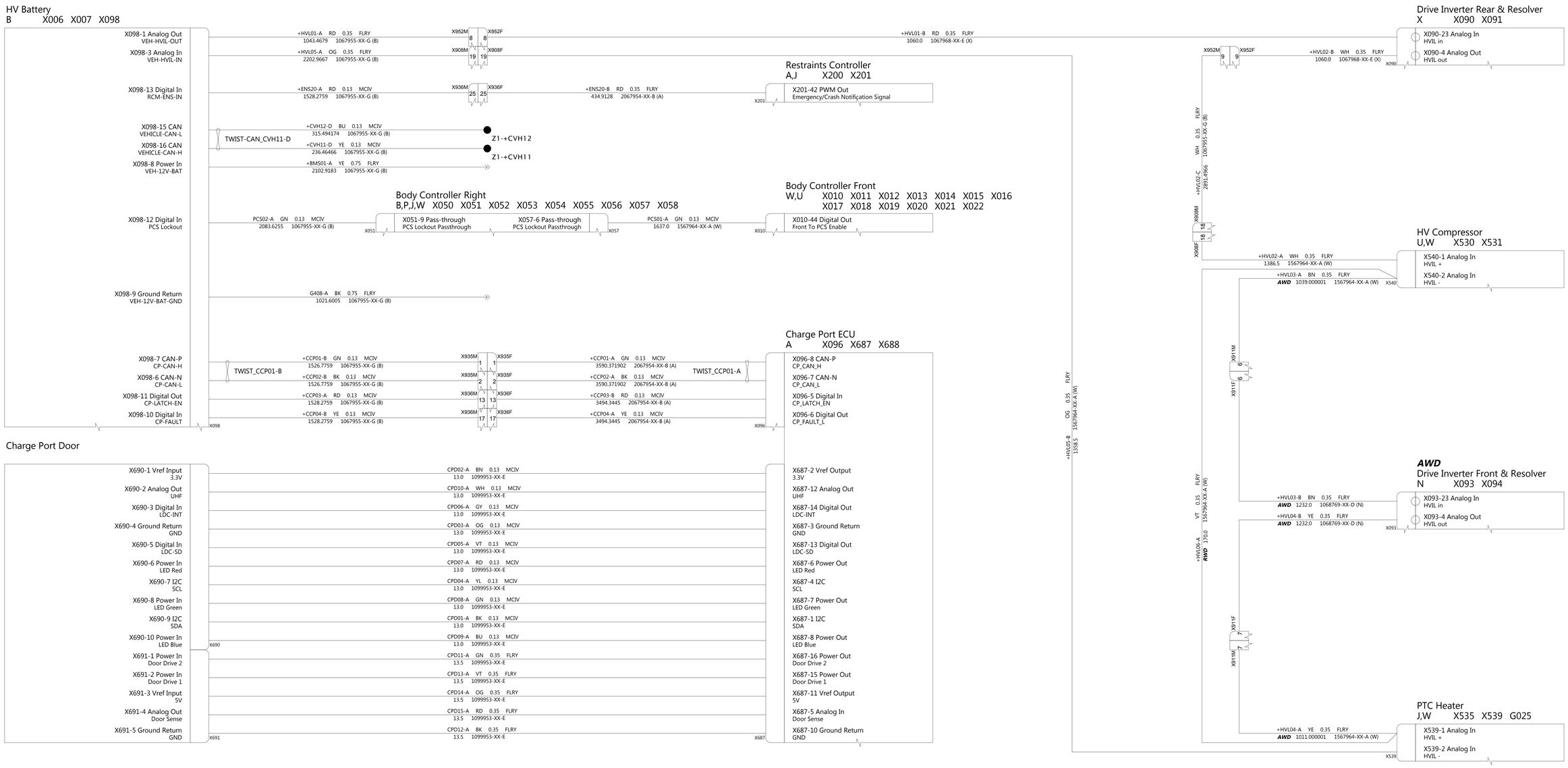
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
eCall

PART NUMBER	REV	SHEET	SIZE
	2	24 OF 45	A0

carpages.com



Charge Port Door

carpidf.com

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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
	2	25 OF 45	A0

PCS
H

X420-1 Power In PCS-ISO-VCC	TWIST_HVP07-A	W20-A WH 0.35 TWP 1281.0 TS-0006673-D (H)	TWIST_HVP07-A	X479-29 Power - Always On PCS-ISO-VCC
X420-2 Digital Out IPC-CAN-PCS-TX		W06-A GN 0.35 TWP 1281.0 TS-0006673-D (H)		X479-6 CAN IPC-CAN-PCS-TX
X420-6 Digital In PCS-ENABLE-L		W02-A WH 0.35 TWP 1281.0 TS-0006673-D (H)		X479-2 Digital Out PCS-ENABLE-L
X420-4 Digital In PWM-ENABLE-DCDC		W01-A WH 0.35 TWP 1281.0 TS-0006673-D (H)		X479-1 Digital Out PWM-ENABLE-DCDC
X420-5 Digital In PWM-ENABLE-CHG		W12-A WH 0.35 TWP 1281.0 TS-0006673-D (H)		X479-15 Digital Out PWM-ENABLE-CHG
X420-10 CAN-P CP-CAN-TCVR_p	TWIST_HVP08-A	W19-A WH 0.35 TWP 1281.0 TS-0006673-D (H)	TWIST_HVP08-A	X479-26 CAN-P CP-CAN-TCVR_p
X420-11 CAN-N CP-CAN-TCVR_n		W11-A OG 0.35 TWP 1281.0 TS-0006673-D (H)		X479-12 CAN-N CP-CAN-TCVR_n
X420-12 Ground-Chassis PCS-ISO-GND	TWIST_HVP06-A	W21-A WH 0.35 TWP 1281.0 TS-0006673-D (H)	TWIST_HVP06-A	X479-30 Ground Return PCS-ISO-GND
X420-3 Digital In IPC-CAN-PCS-RX		W05-A VT 0.35 TWP 1281.0 TS-0006673-D (H)		X479-5 CAN IPC-CAN-PCS-RX

X420

AWD
HV-FDU
H

X423-2 Analog In INTERNAL-HVIL-IN		W18-A WH 0.35 TWP *AWD* 771.0 TS-0006673-D (H)	X479-24 Analog Out INTERNAL-HVIL-OUT
X423-3 Analog Out INTERNAL-HVIL-OUT		W49-A WH 0.35 TWP *AWD* 545.0 TS-0006673-D (H)	

X423

HV-RDU
H

X422-2 Analog In INTERNAL-HVIL-IN		W60-A WH 0.35 TWP *RWD* 606.0 TS-0006673-D (H)	
X422-3 Analog Out INTERNAL-HVIL-OUT		W50-A WH 0.35 TWP 375.0 TS-0006673-D (H)	

X422

HV-ANCIL
H

X421-2 Analog In INTERNAL-HVIL-IN			X479-7 Analog In INTERNAL-HVIL-IN
X421-3 Analog Out INTERNAL-HVIL-OUT		W07-A WH 0.35 TWP 821.0 TS-0006673-D (H)	

X421

CHARGER-INLET
H

X424-2 Analog In INTERNAL-HVIL-IN		W10-A WH 0.35 TWP 1106.0 TS-0006673-D (H)	X479-10 Analog Out CP-HV-CABLES-OK-OUT
X424-3 Analog Out INTERNAL-HVIL-OUT		W13-A WH 0.35 TWP 1106.0 TS-0006673-D (H)	X479-16 Digital Out CP-HV-CABLES-OK-IN

X424 X479

BMB-DAISY-A
H

X471-1 Digital In +	TWIST_HVP03-A	W43-A GN 0.13 9093 1160.0 TS-0006673-D (H)	TWIST_HVP03-A	X482-1 Analog Out BMB-DIR-A p
X471-2 Digital In -		W44-A WH 0.13 9093 1160.0 TS-0006673-D (H)		X482-2 Analog Out BMB-DIR-A n

X471 X482

BMB-DAISY-B
H

X472-1 Digital In +	TWIST_HVP02-A	W45-A GN 0.13 9093 1350.0 TS-0006673-D (H)	TWIST_HVP02-A	X483-1 Analog Out BMB-PRI-DIR-B p
X472-2 Digital In -		W46-A WH 0.13 9093 1350.0 TS-0006673-D (H)		X483-2 Analog Out BMB-PRI-DIR-B n

X472 X483

HV Controller
H X478 X479 X480 X481 X482 X483 X484

X481-4 Analog In CP-HV-SENSE-NEG	X481	W37-A WH 0.35 WDIC 840.0 TS-0006673-D (H)		FAS-CHR-CONTACT-P1 H: X477-10 Analog Out CP-HV-SENSE-NEG
X478-3 Analog In CP-HV-SENSE-POS	X478	W40-A WH 0.35 WDIC 840.0 TS-0006673-D (H)		X477-1 Analog Out CP-HV-SENSE-POS
X479-3 Signal Return FC-CTR-NEG-AUX-RET		W03-A WH 0.35 WDIC 1001.0 TS-0006673-D (H)		X477-9 Digital Out FC-CTR-NEG-AUX-RET
X479-4 Signal Return FC-CTR-POS-AUX-RET		W04-A WH 0.35 WDIC 1001.0 TS-0006673-D (H)		X477-5 Digital Out FC-CTR-POS-AUX-RET
X479-17 Digital In FC-CTR-NEG-AUX-OPEN		W14-A WH 0.35 WDIC 1001.0 TS-0006673-D (H)		X477-6 Digital Out FC-CTR-NEG-AUX-OPEN
X479-18 Digital In FC-CTR-POS-AUX-OPEN		W15-A WH 0.35 WDIC 1001.0 TS-0006673-D (H)		X477-2 Digital Out FC-CTR-POS-AUX-OPEN
X479-35 Power - Always On FC-CTR-POS-A	TWIST_HVP09-A	W24-A RD 0.75 WDIC 1001.0 TS-0006673-D (H)	TWIST_HVP09-A	X477-3 PWM In FC-CTR-POS-A
X479-36 Low-Side Drive FC-CTR-POS-B		W25-A WH 0.75 WDIC 1001.0 TS-0006673-D (H)		X477-4 PWM In FC-CTR-POS-B
X479-37 Low-Side Drive FC-CTR-NEG-B	TWIST_HVP10-A	W26-A BK 0.75 WDIC 1001.0 TS-0006673-D (H)	TWIST_HVP10-A	X477-8 PWM In FC-CTR-NEG-B
X479-43 Power - Always On FC-CTR-NEG-A		W29-A WH 0.75 WDIC 1001.0 TS-0006673-D (H)		X477-7 PWM In FC-CTR-NEG-A

X477

X479-8 Analog Out FLOOD-SW1-PWR		W08-A WH/RD 0.35 TWP 821.0 TS-0006673-D (H)		COOLANT-V1 H: X467-1 Hall Sensor In Hall Sensor In
X479-22 Signal Return FLOOD-SW1-RET		W16-A WH 0.35 TWP 821.0 TS-0006673-D (H)		X467-2 Hall Sensor Out Hall Sensor Out

X467

X479-9 Analog Out FLOOD-SW2-PWR		W09-A WH/RD 0.35 TWP 921.0 TS-0006673-D (H)		COOLANT-V2 H: X468-1 Hall Sensor In Hall Sensor In
X479-23 Signal Return FLOOD-SW2-RET		W17-A WH 0.35 TWP 921.0 TS-0006673-D (H)		X468-2 Hall Sensor Out Hall Sensor Out

X468

X479-33 Power - Always On POS-CONTACTOR-A	TWIST_HVP11-A	W22-A YE 0.75 WDIC 1256.0 TS-0006673-D (H)	TWIST_HVP11-A	POS-SWITCH H: X474-1 PWM In PWM In
X479-41 Low-Side Drive POS-CONTACTOR-B	X479	W27-A WH 0.75 WDIC 1256.0 TS-0006673-D (H)	X474	X474-2 PWM Out PWM Out
X478-6 Analog In PACK-HV-SENSE-POS		W42-A WH 0.35 WDIC 1020.0 TS-0006673-D (H)		X473-4 Analog Out Analog Out
X478-12 Analog In DC-LINK-SENSE-POS	X478	W41-A WH 0.35 WDIC 1020.0 TS-0006673-D (H)	X473	X473-1 Analog Out Analog Out

X479-34 Power - Always On NEG-CONTACTOR-A	TWIST_HVP12-A	W23-A BU 0.75 WDIC 931.0 TS-0006673-D (H)	TWIST_HVP12-A	NEG-SWITCH H: X476-1 PWM In PWM In
X479-42 Low-Side Drive NEG-CONTACTOR-B	X479	W28-A WH 0.75 WDIC 931.0 TS-0006673-D (H)	X476	X476-2 PWM Out PWM Out
X481-1 Analog In PACK-HV-SENSE-NEG		W39-A WH 0.35 WDIC 775.0 TS-0006673-D (H)		X475-4 Analog Out Analog Out
X481-7 Analog In DC-LINK-SENSE-NEG	X481	W38-A WH 0.35 WDIC 775.0 TS-0006673-D (H)	X475	X475-1 Analog Out Analog Out

X480-3 Analog In SHUNT-TEMP-RET		W36-A WH/RD 0.35 WDLC 465.0 TS-0006673-D (H)		SHUNT-P1 H: X469-1 Analog Out SHUNT-TEMP-RET
X480-7 Analog In SHUNT-TEMP		W31-A WH/RD 0.35 WDLC 465.0 TS-0006673-D (H)		X469-6 Analog Out SHUNT-TEMP
X480-4 Analog In SHUNT-SENSE-NEG	TWIST_HVP05-A	W34-A WH/RD 0.35 WDLC 465.0 TS-0006673-D (H)	TWIST_HVP05-A	X469-3 Analog Out SHUNT-SENSE-N
X480-5 Analog In SHUNT-SENSE-POS		W33-A WH/RD 0.35 WDLC 465.0 TS-0006673-D (H)		X469-4 Analog Out SHUNT-SENSE-P
X480-6 Analog In PASSIVE-SENSE-POS	TWIST_HVP04-A	W32-A WH/RD 0.35 WDLC 465.0 TS-0006673-D (H)	TWIST_HVP04-A	X469-5 Analog Out PASSIVE-SENSE-POS
X480-1 Analog In PASSIVE-SENSE-NEG		W35-A WH/RD 0.35 WDLC 465.0 TS-0006673-D (H)		X469-2 Analog Out PASSIVE-SENSE-NEG
X480-8 Power - Always On V-NEG-HALF-PACK	X480	W30-A WH/RD 0.35 WDLC 465.0 TS-0006673-D (H)	X469	X469-7 Power-Always On V-NEG-HALF-PACK

X484-1 Analog Out PYRO-LOOP-RETURN-ISOLATED	TWIST_HVP01-A	W47-A BN 0.35 WCLC 425.0 TS-0006673-D (H)	TWIST_HVP01-A	PYRO-DISC-P1 H: X470-1 Squib-P Squib-P
X484-2 Analog Out PYRO-LOOP-OUT-ISOLATED	X484	W48-A WH 0.35 WCLC 425.0 TS-0006673-D (H)	X470	X470-2 Squib-N Squib-N

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME: HV Penthouse

PART NUMBER	REV	SHEET	SIZE
	2	26 OF 45	A0

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Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

HVAC Case
HVAC_CASE X544 X547 X548 X549 X550 X551 X552 X553 X554 X555 X556

Z1-HVC005V

Body Controller Right	Wire	HVAC Case
X058-19 Vref Output HVAC Shared 5V	HVC005V-F RD 0.35 FLRY 993.0 HVAC Case	
	HVC005V-B RD 0.35 FLRY 397.0 HVAC Case	X552-4 Power In Vref Potentiometer (+5V)
X058-8 Half-Bridge HVAC Right Bleed CW	HVC017-A BU 0.35 FLRY 1236.0 HVAC Case	X552-3 Analog In CW Input
X058-5 Analog In HVAC Right Bleed Duct Position	HVC019-A WH 0.35 FLRY 1236.0 HVAC Case	X552-5 Analog Out Potentiometer Feedback
X058-9 Half-Bridge HVAC Right Bleed CCW	HVC018-A PK 0.35 FLRY 1236.0 HVAC Case	X552-7 Analog In CCW Input
	HVCGND-B BK 0.35 FLRY 110.0 HVAC Case	X552 X552-6 Ground Return Vref Return Actuator (GND)
	HVC005V-D RD 0.35 FLRY 700.0 HVAC Case	X553-3 Power In Vref Potentiometer (+5V)
X058-23 Half-Bridge HVAC Lower Mode CW	HVC004-A VT/GN 0.35 FLRY 1693.0 HVAC Case	X553-5 Analog In CW Input
X058-2 Analog In HVAC Lower Mode Duct Position	HVC006-A BU 0.35 FLRY 1693.0 HVAC Case	X553-2 Analog Out Potentiometer Feedback
X058-24 Half-Bridge HVAC Lower Mode CCW	HVC005-A RD 0.35 FLRY 1693.0 HVAC Case	X553-6 Analog In CCW Input
	HVCGND-H BK 0.35 FLRY 987.0 HVAC Case	X553 X553-1 Ground Return Vref Return Actuator (GND)
	HVC005V-A RD 0.35 FLRY 205.0 HVAC Case	X554-3 Power In Vref Potentiometer (+5V)
X058-27 Half-Bridge HVAC Intake CW	HVC001-A BU 0.35 FLRY 1198.0 HVAC Case	X554-5 Analog In CW Input
X058-4 Analog In HVAC Intake Duct Position	HVC003-A WH 0.35 FLRY 1198.0 HVAC Case	X554-2 Analog Out Potentiometer Feedback
X058-28 Half-Bridge HVAC Intake CCW	HVC002-A VT/GN 0.35 FLRY 1198.0 HVAC Case	X554-6 Analog In CCW Input
	HVCGND-C BK 0.35 FLRY 492.0 HVAC Case	X554 X554-1 Ground Return Vref Return Actuator (GND)
	HVC005V-E RD 0.35 FLRY 647.0 HVAC Case	X555-4 Power In Vref Potentiometer (+5V)
X058-10 Half-Bridge HVAC Left Bleed CW	HVC010-A BU 0.35 FLRY 1486.0 HVAC Case	X555-3 Analog In CW Input
X058-6 Analog In HVAC Left Bleed Duct Position	HVC012-A WH 0.35 FLRY 1486.0 HVAC Case	X555-5 Analog Out Potentiometer Feedback
X058-11 Half-Bridge HVAC Left Bleed CCW	HVC011-A PK 0.35 FLRY 1486.0 HVAC Case	X555-7 Analog In CCW Input
	HVCGND-A BK 0.35 FLRY 360.0 HVAC Case	X555 X555-6 Ground Return Vref Return Actuator (GND)
	HVC005V-C RD 0.35 FLRY 445.0 HVAC Case	X556-3 Power In Vref Potentiometer (+5V)
X058-25 Half-Bridge HVAC Upper Mode CW	HVC007-A VT/GN 0.35 FLRY 1438.0 HVAC Case	X556-5 Analog In CW Input
X058-3 Analog In HVAC Upper Duct Position	HVC009-A VT/GN 0.35 FLRY 1438.0 HVAC Case	X556-2 Analog Out Potentiometer Feedback
X058-26 Half-Bridge HVAC Upper Mode CCW	HVC008-A PK 0.35 FLRY 1438.0 HVAC Case	X556-6 Analog In CCW Input
	HVCGND-D BK 0.35 FLRY 732.0 HVAC Case	X556 X556-1 Ground Return Vref Return Actuator (GND)
X058-13 Analog In HVAC Left Vent Duct Temp	HVC516-A VT/GN 0.35 FLRY 1651.0 HVAC Case	X547-1 Analog Out Signal
	HVCGND-E BK 0.35 FLRY 525.0 HVAC Case	X547 X547-2 Ground Return Vref Return (GND)
X058-16 Analog In HVAC Right Vent Duct Temp	HVC6137-A BK 0.35 FLRY 1471.0 HVAC Case	X550-1 Analog Out Signal
	HVCGND-F BK 0.35 FLRY 765.0 HVAC Case	X550 X550-2 Ground Return Vref Return (GND)
X058-17 Analog In HVAC Evaporator Temp	HVC517-A WH 0.35 FLRY 1736.0 HVAC Case	X551-1 Analog Out Signal
X058-20 Ground Return HVAC Shared Ground Return	HVCGND-I BK 0.35 FLRY 1126.0 HVAC Case X058 Z2-HVCGND	HVCGND-G BK 0.35 FLRY 610.0 HVAC Case X551 X551-2 Ground Return Vref Return (GND)

Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

Blower Motor
J

Body Controller Left	Wire	Blower Motor
X038-2 Half-Bridge HVAC Blower Motor Phase A	SH_THC01-A TWIST_THC01-A THC01-A RD 4.00 FLRB 1079.047107 1067960-XX-E, 1117960-XX-A (J)	SH_THC01-A TWIST_THC01-A X536-1 Half-Bridge Phase 1 (U)
X038-4 Half-Bridge HVAC Blower Motor Phase B	THC02-A BK 4.00 FLRB 1079.047107 1067960-XX-E, 1117960-XX-A (J)	X536-2 Half-Bridge Phase 2 (V)
X038-1 Half-Bridge HVAC Blower Motor Phase C	THC03-A OG 4.00 FLRB 1079.047107 1067960-XX-E, 1117960-XX-A (J)	X536-4 Half-Bridge Phase 3 (W)
X038-3 Ground Return HVAC Blower Motor Ground Shield	SHIELD905 X038	SHIELD905 X536 X536-3 Ground Return GND Shielding if Needed

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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
	2	27 OF 45	A0

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Body Controller Front
W,U X010 X011 X012 X013 X014 X015 X016 X017 X018 X019 X020 X021 X022

X021-1 Vref Output
Refrigerant Discharge 5V

X021-2 Analog In
Refrigerant Discharge Pressure

X021-3 Analog In
Refrigerant Discharge Temp

X021-4 Ground Return
Refrigerant Discharge GND

TH001-A GN 0.13 MCIV
812.0 1068767-XX-F (U)

TH002-A GY 0.13 MCIV
812.0 1068767-XX-F (U)

TH003-A WH 0.13 MCIV
812.0 1068767-XX-F (U)

TH004-A BN 0.13 MCIV
812.0 1068767-XX-F (U)

Refrigerant Temp and Pressure Sensor - Discharge
U

X515-4 Power In
Vref

X515-2 Analog Out
Press

X515-3 Analog Out
Temp

X515-1 Ground Return
Ground

X515

X021-5 Ground Return
Refrigerant Suction GND

X021-6 Analog In
Refrigerant Suction Temp

X021-7 Analog In
Refrigerant Suction Pressure

X021-8 Vref Output
Refrigerant Suction 5V

TH005-A VT 0.13 MCIV
711.0 1068767-XX-F (U)

TH006-A GN 0.13 MCIV
711.0 1068767-XX-F (U)

TH007-A BU 0.13 MCIV
711.0 1068767-XX-F (U)

TH008-A BK 0.13 MCIV
711.0 1068767-XX-F (U)

Refrigerant Temp and Pressure Sensor - Suction
U

X514-1 Ground Return
Ground

X514-3 Analog Out
Temp

X514-2 Analog Out
Press

X514-4 Power In
Vref

X514

X021-33 Half-Bridge
Coolant Pump Battery Phase A

X021-32 Half-Bridge
Coolant Pump Battery Phase B

X021-31 Half-Bridge
Coolant Pump Battery Phase C

X021-34 Ground Return
Battery Coolant Pump GND Shield

SH_TH010-A

TWIST_TH010-A

SHIELD895

TH011-A RD 1.00 FLRY
1154.0 1068767-XX-F (U)

TH012-A YE 1.00 FLRY
1154.0 1068767-XX-F (U)

TH013-A BU 1.00 FLRY
1154.0 1068767-XX-F (U)

SH_TH010-A

TWIST_TH010-A

SHIELD895

TH014-A BK 0.35 FLRY
0.0 1068767-XX-F (U)
Z43-TH014

Battery Coolant Pump
U

X508-1 Power In
Phase 1

X508-2 Power In
Phase 2

X508-3 Power In
Phase 3

X508-4 Ground-Chassis
GND

X508

X021-52 Half-Bridge
Coolant Pump Powertrain Phase A

X021-51 Half-Bridge
Coolant Pump Powertrain Phase B

X021-50 Half-Bridge
Coolant Pump Powertrain Phase C

X021-29 Ground Return
Powertrain Coolant Pump GND Shield

SH_TH020-A

TWIST_TH020-A

SHIELD896

TH021-A GN 1.00 FLRY
558.0 1068767-XX-F (U)

TH022-A WH 1.00 FLRY
558.0 1068767-XX-F (U)

TH023-A VT 1.00 FLRY
558.0 1068767-XX-F (U)

SH_TH020-A

TWIST_TH020-A

SHIELD896

TH024-A BK 0.35 FLRY
0.0 1068767-XX-F (U)
Z47-TH024

Powertrain Coolant Pump
U

X510-1 Power In
Phase 1

X510-2 Power In
Phase 2

X510-3 Power In
Phase 3

X510-4 Ground Return
GND

X510

X021-19 Digital Out
Coolant Level Conductive Sensor

X021-40 Ground Return
Coolant Level Switch GND

TH031-A BU 0.35 FLRY
457.0 1068767-XX-F (U)

TH032-A GY 0.35 FLRY
457.0 1068767-XX-F (U)

Coolant Level Switch
U

X512-1 Analog Out
Capacitive Sensor

X512-3 Ground Return
GND

X512

X021-16 Analog In
Coolant Temp 1

X021-38 Ground Return
Coolant Temp 1 GND

TH033-A VT 0.35 FLRY
919.0 1068767-XX-F (U)

TH034-A WH 0.35 FLRY

Coolant Temp Sensor - Battery
U

X517-1 Analog Out
Sensor In

X517-2 Ground Return
GND

X517

X021-17 Analog In
Coolant Temp 2

X021-39 Ground Return
Coolant Temp 2 GND

TH035-A YE 0.35 FLRY
460.0 1068767-XX-F (U)

TH036-A RD 0.35 FLRY
460.0 1068767-XX-F (U)

Coolant Temp Sensor - Powertrain
U

X518-1 Analog Out
Sensor In

X518-2 Ground Return
GND

X518

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

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

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

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

TH042-A GN 0.13 MCIV
1229.0 1068767-XX-F (U)

TH041-A RD 0.13 MCIV
1229.0 1068767-XX-F (U)

TH044-A BN 0.13 MCIV
1229.0 1068767-XX-F (U)

TH043-A GY 0.13 MCIV
1229.0 1068767-XX-F (U)

5-way Valve
U

X520-1 Half-Bridge
Motor +

X520-2 Half-Bridge
Motor -

X520-3 Hall Sensor Out
VBatt

X520-4 Ground Return
Ground

X520

X021-25 Half-Bridge
HVAC Chiller EXV Phase A

X021-47 Half-Bridge
HVAC Chiller EXV Phase B

X021-26 Half-Bridge
HVAC Chiller EXV Phase C

X021-48 Half-Bridge
HVAC Chiller EXV Phase D

TH045-A YE 0.13 MCIV
757.0 1068767-XX-F (U)

TH046-A GY 0.13 MCIV
757.0 1068767-XX-F (U)

TH047-A BU 0.13 MCIV
757.0 1068767-XX-F (U)

TH048-A BN 0.13 MCIV
757.0 1068767-XX-F (U)

Chiller EXV
U

X521-1 Half-Bridge
Stepper Motor A YN

X521-3 Half-Bridge
Stepper Motor B YP

X521-2 Half-Bridge
Stepper Motor C XN

X521-4 Half-Bridge
Stepper Motor D XP

X521

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

X021-21 Pass-through
Vehicle CAN P

X021-43 Pass-through
Vehicle CAN N

X021-37 Ground Return
HVAC Compressor Controller LV GND

X021

TWIST_CVH01_TH-A

TH051-A BU 0.35 FLRY
688.0 1068767-XX-F (U)

+CVH01_TH-A WH 0.35 FLRY
688.0 1068767-XX-F (U)

+CVH02_TH-A YE 0.35 FLRY
688.0 1068767-XX-F (U)

TH052-A GY 0.35 FLRY
688.0 1068767-XX-F (U)

TWIST_CVH01_TH-A

HV Compressor
U,W X530

X530-1 Power In
Power

X530-2 CAN
CAN HIGH

X530-3 CAN
CAN LOW

X530-4 Ground Return
GND

X530

THG01-A BK 4.00 FLRB
955.0 1068767-XX-F (U)

X531-1 Analog In
Analog In

X531

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
HVAC Thermal Subassembly

PART NUMBER	REV	SHEET	SIZE
	2	28 OF 45	A0

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Battery Backup Siren
L ***REEU***

X487-3 Power In
Power
X487

SEC01-A BU 0.35 MCIV
REEU 933.0 1567961-XX-A (L)

X906M 16 16 X906F

SEC01-B BU 0.13 MCIV
REEU 1654.000001 1567964-XX-A (W)

Horn Right - High Tone
W

X199-1 Power In
Power
X199

BCM21-A BU 0.50 FLRY
1361.609773 1567964-XX-A (W)

Horn Left - Low Tone
W

X198-1 Power In
Power
X198

BCM22-A RD 0.50 FLRY
1361.007348 1567964-XX-A (W)

Radar Front
L

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

DAS51-A OG 0.35 FLRY
478.0 1567961-XX-A (L)

X905M 2 2 X905F

DAS51-B OG 0.35 FLRY
1849.586998 1567964-XX-A (W)

Emergency Frunk Release Switch
L

X333-3 PWM In
Illumination
X333

SEC22-B GY 0.35 FLRY
611.0 1567961-XX-A (L)

X906M 7 7 X906F

SEC22-A GY 0.35 FLRY
1654.000001 1567964-XX-A (W)

Homelink ECU
L

X485-1 Power In
Power In
X485

BCM01-A WH 0.13 MCIV
592.0 1567961-XX-A (L)

X905M 8 8 X905F

BCM01-B WH 0.13 MCIV
1849.586998 1567964-XX-A (W)

Frunk Latch
L X330 X331 X332

X331-1 Power In
Latch Release
X331

SEC13-B BU 0.35 FLRY
973.0 1567961-XX-A (L)

X906M 12 12 X906F

SEC13-A BU 0.35 FLRY
1654.000001 1567964-XX-A (W)

Glass Heater - Windshield (LHD)
W ***LHD***

X304-1 Power In
UpperHeater+
X304

HWA21-A YE 0.35 FLRY
LHD 557.09233 1567964-XX-A (W)

Glass Heater - Windshield (RHD)
W ***RHD***

X304A-1 Power In
UpperHeater+
X304A

HWA21_R-A YE 0.35 FLRY
RHD 810.702562 1567964-XX-A (W)

Frunk Access Post
F

X355-1 Power In
Power
X355

JMP01-B OG 1.00 FLRY
1832.0 1067958-XX-E (F)

X901F 1 1 X901M

JMP01-A OG 1.00 FLRY
2059.183116 1567964-XX-A (W)

Autopilot ECU
W,J,B ***LHD*** X003 X120 X121 X122 X800 X801 X830 X838 X870 X881 X890 X891

X121-4 Power In
12V0-BAT-5A
X121-5 Power In
12V0-BAT-5A
X121-13 Power In
12V0-BAT-5A
X121

DAS22-B WH 0.50 FLRY
LHD 217.485119 1567964-XX-A (W)

Z1-DAS22

DAS22-C WH 0.50 FLRY
LHD 217.485119 1567964-XX-A (W)

DAS22-D WH 0.50 FLRY
LHD 217.485119 1567964-XX-A (W)

DAS22-A WH 1.50 FLRY
LHD 1676.822573 1567964-XX-A (W)

Autopilot ECU (RHD)
W,J,B ***RHD*** X120A X121A X122A X800A X801A X830A X838A X870A X881A X890A X981A

X121A-4 Power In
12V0-BAT-5A
X121A-5 Power In
12V0-BAT-5A
X121A-13 Power In
12V0-BAT-5A
X121A

DAS22_R-C WH 1.50 FLRY
RHD 4.474944 1567964-XX-A (W)

DAS22_R-E WH 1.50 FLRY
RHD 4.474944 1567964-XX-A (W)

DAS22_R-D WH 1.50 FLRY
RHD 4.474944 1567964-XX-A (W)

Z1-DAS22_R

DAS22_R-A WH 1.50 FLRY
RHD 1534.187577 1567964-XX-A (W)

Drive Inverter Front & Resolver
N ***AWD*** X093 X094

X093-22 Power In
Unswitched +12V
X093

PT052-B YE 0.13 MCIV
AWD 1232.0 1068769-XX-D (N)

X911F 11 11 X911M

PT052-A YE 0.13 MCIV
AWD 754.000001 1567964-XX-A (W)

Drive Inverter Front & Resolver
N ***AWD*** X093 X094

X093-3 Power In
Switched +12V
X093

PT051-B GN 0.35 FLRY
AWD 1232.0 1068769-XX-D (N)

X911F 10 10 X911M

PT051-A GN 0.35 FLRY
AWD 754.000001 1567964-XX-A (W)

TXV Evaporator Solenoid
W

X523-1 Power In
Power
X523

TH049-A VT 0.35 FLRY
577.545085 1567964-XX-A (W)

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

X095-1 Power In
Switched +12V
X095

PT061-B VT 1.00 FLRY
AWD 1308.0 1068769-XX-D (N)

X911F 1 1 X911M

PT061-A VT 1.00 FLRY
AWD 754.000001 1567964-XX-A (W)

Frunk Latch
L X330 X331 X332

X330-1 Power In
Latch Release
X330-2 Ground-Chassis
Ground
X330

SEC11-B WH 0.35 FLRY
352.0 1567961-XX-A (L)

X906M 10 10 X906F

SEC11-A WH 0.35 FLRY
1654.000001 1567964-XX-A (W)

SEC12-B BK 0.35 FLRY
352.0 1567961-XX-A (L)

X906M 11 11 X906F

SEC12-A BK 0.35 FLRY
1654.000001 1567964-XX-A (W)

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

X301-2 Power In
PWR-pump
X301

WPA22-A VT 0.50 FLRY
LHD 635.000001 1567964-XX-A (W)

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

X301A-2 Power In
PWR-pump
X301A

WPA22_R-A VT 0.50 FLRY
RHD 813.06066 1567964-XX-A (W)

Frunk Latch
L X330

X331-2 Ground-Chassis
Ground
X331

SEC14-B GN 0.35 FLRY
973.0 1567961-XX-A (L)

X906M 13 13 X906F

SEC14-A GN 0.35 FLRY
1654.000001 1567964-XX-A (W)

MCU (LHD)
W,B ***LHD*** X170 X171 X172 X173 X174 X802 X803 X804 X831 X859 X860 X863 X864

LHD X170-5 Power In
Audio Power
X170

AUD01-A RD 2.00 FLRY
LHD 1744.307692 1567964-XX-A (W)

MCU (RHD)
W, B ***RHD*** X170A X171A X172A X173A X174A X802A X803A X804A X831A X859A X860A X863A X864A

X170A-5 Power In
Audio Power
X170A

AUD01_R-A RD 2.00 FLRY
RHD 1541.371952 1567964-XX-A (W)

X010

HCU/ESP
W

X151-1 Power In
+12V_MR
X151

+ABS91-A OG 4 FLXB
816.000001 1567964-XX-A (W)

Wiper Motor (LHD)
W ***LHD***

X300-1 Power In
Power
X300

WPA01-A VT 2.50 FLRB
LHD 808.000001 1567964-XX-A (W)

Wiper Motor (RHD)
W ***RHD***

X300A-4 Power In
Power
X300A

WPA01_R-A VT 2.50 FLRB
RHD 965.0 1567964-XX-A (W)

Condenser Fan
W

X525-1 Half-Bridge
Phase A
X525-2 Half-Bridge
Phase B
X525-3 Half-Bridge
Phase C
X525-4 Ground Return
Shielded Grounding
X525

SH_TH501-A
TWIST_TH501-A

TH504-B WH 0.50 FLRY
0.0 1567964-XX-A (W)

Z2-TH504

TH501-A RD 5.00 FLRB
1411.000001 1567964-XX-A (W)

TH502-A YE 5.00 FLRB
1411.000001 1567964-XX-A (W)

TH503-A BU 5.00 FLRB
1411.000001 1567964-XX-A (W)

SH_TH501-A
TWIST_TH501-A

SHIELD898

X011

Body Controller Front
W,U X011 X010 X012 X013 X014 X015 X016 X017 X018 X019 X020 X021 X022

X010-1 High-Side Drive
Battery Backup Siren

X010-31 High-Side Drive
Horn High Tone

X010-9 High-Side Drive
Horn Low Tone

X010-15 High-Side Drive
Radar

X010-16 High-Side Drive
Frunk LED

X010-18 High-Side Drive
Homelink ECU

X010-26 Half-Bridge
Frunk Latch Secondary Release

X010-25 High-Side Drive
Windshield Upper Glass Heater

X010-29 Power In
Frunk Access Post

X010-32 High-Side Drive
Autopilot 2

X010-34 High-Side Drive
Front Drive Inverter Discharge

X010-35 High-Side Drive
Front Drive Inverter

X010-36 High-Side Drive
Evaporator TXV Solenoid

X010-52 High-Side Drive
Front Drive Unit Oil Pump

X010-51 Half-Bridge
Frunk Latch Primary Release

X010-50 Half-Bridge
Frunk Latch Primary Reset

X010-48 High-Side Drive
Windshield Washer Fluid Pump

X010-47 Half-Bridge
Frunk Latch Secondary Reset

X010-46 High-Side Drive
MCU Audio

X011-1 High-Side Drive
HCU ESP ABS Motor

X011-3 High-Side Drive
Windshield Wiper Power

X011-4 Half-Bridge
Condenser Fan Phase A

X011-5 Half-Bridge
Condenser Fan Phase B

X011-6 Half-Bridge
Condenser Fan Phase C

X011-2 Ground
Condenser Fan GND Shield

X012-1 High-Side Drive
MCU Logic

X012-4 High-Side Drive
HCU ESP ABS Valve

X012-5 High-Side Drive
iBooster

X012-6 High-Side Drive
Autopilot 1

X013-7 High-Side Drive
Headlight Right

X013-9 High-Side Drive
Side Marker Right

X013-10 High-Side Drive
Fog Light Right

X013-11 High-Side Drive
Side Repeater Right

X013-18 High-Side Drive
Side Repeater Left

X013-19 High-Side Drive
Fog Light Left

X013-23 High-Side Drive
Side Marker Left

X013-22 High-Side Drive
Headlight Left

X013-24 High-Side Drive
iBooster Wake

X013-34 Half-Bridge
Active Louver Phase C

X013-35 Half-Bridge
Active Louver Phase B

X013-36 Half-Bridge
Active Louver Phase A

X013-20 Ground
Active Louver GND Shield

X013-33 High-Side Drive
EPAS 2 Wake

X010-11 High-Side Drive
EPAS 1 Wake

X012

AUD02-A GN 1.50 FLRY
LHD 1755.307692 1567964-XX-A (W)

X170-4 Power - Always On
Main Power
X170

MCU (RHD) ***RHD***
W, B

AUD02_R-A GN 2.00 FLRY
RHD 1552.371952 1567964-XX-A (W)

X170A-4 Power - Always On
Main Power
X170A

+ABS92-A YE 1.50 FLRY
865.000001 1567964-XX-A (W)

X151-25 Power In
+12V_VR
X151

+BRK01-A RD 4.00 FLRB
LHD 479.0 1567964-XX-A (W)

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

iBooster & DTS (RHD)
W ***RHD*** X150A

+BRK01_R-A RD 4.00 FLRB
RHD 1209.020797 1567964-XX-A (W)

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

DAS21-A RD 2.00 FLRY
LHD 1905.307692 1567964-XX-A (W)

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

Autopilot ECU (RHD)
W,J,B,A ***RHD***

DAS21_R-A RD 2.00 FLRY
RHD 1549.662521 1567964-XX-A (W)

X120A-9 Power In
12V0-BAT-20A
X120A

EXL51-A RD 1.00 FLRY
1930.213893 1567964-XX-A (W)

X261-1 Power In
Power
X261

EXL56-A VT 0.35 FLRY
FOG 2038.183116 1567964-XX-A (W)

EXL57-A OG 0.35 FLRY
FOG 2038.183116 1567964-XX-A (W)

X901M 13 13 X901F

X901M 14 14 X901F

EXL56-B VT 0.35 FLRY
FOG 610.0 1067958-XX-E (F)

EXL57-B OG 0.35 FLRY
FOG 610.0 1067958-XX-E (F)

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

EXL58-A YE 0.35 FLRY
795.559017 1567964-XX-A (W)

X269-1 Power In
Power
X269

EXL08-A GN 0.35 FLRY
1436.000001 1567964-XX-A (W)

X268-1 Power In
Power
X268

EXL07-A BU 0.35 FLRY
FOG 2038.183116 1567964-XX-A (W)

EXL06-A VT 0.35 FLRY
FOG 2038.183116 1567964-XX-A (W)

X901M 12 12 X901F

X901M 11 11 X901F

EXL07-B BU 0.35 FLRY
FOG 2026.0 1067958-XX-E (F)

EXL06-B VT 0.35 FLRY
FOG 2026.0 1067958-XX-E (F)

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

EXL01-A WH 1.00 FLRY
1479.790571 1567964-XX-A (W)

X260-1 Power In
Power
X260

+BRK05-A YE 0.35 FLRY
LHD 447.0 1567964-XX-A (W)

X150-20 Power In
Wake
X150

+BRK05_R-A YE 0.35 FLRY
RHD 1177.020797 1567964-XX-A (W)

X150A-20 Power In
Wake
X150A

SH_TH201-A
TWIST_TH201-A

TH203-A VT 0.35 FLRY
1633.000001 1567964-XX-A (W)

TH202-A YE 0.35 FLRY
1633.000001 1567964-XX-A (W)

TH201-A RD 0.35 FLRY
1633.000001 1567964-XX-A (W)

SHIELD899

X013

SH_TH201-A
TWIST_TH201-A

X906F 3 3 X906M

X906F 1 1 X906M

X906F 2 2 X906M

X906F 4 4 X906M

TH204-B GY 0.35 FLRY
0.0 1567964-XX-A (W)

Z1-TH204

SH_TH201-B
TWIST_TH201-B

TH204-C GY 0.35 FLRY
0.0 1567964-XX-A (L)

Z36-TH204

TH203-B VT 0.35 FLRY
545.0 1567961-XX-A (L)

TH202-B YE 0.35 FLRY
545.0 1567961-XX-A (L)

TH201-B RD 0.35 FLRY
545.0 1567961-XX-A (L)

SH_TH201-B
TWIST_TH201-B

TH204-D GY 0.35 FLRY
0.0 1567961-XX-A (L)

Z38-TH204

X506

X506-2 Half-Bridge
Phase 3
X506-3 Half-Bridge
Phase 2
X506-4 Half-Bridge
Phase 1
X506-1 Ground-Chassis
GND

EPAS (LHD)
W ***LHD*** X190

X013

EPS02-A BN 0.35 FLRY
LHD 1619.000001 1567964-XX-A (W)

X193-1 Power In
WAU2
X193

X010

EPS01-A GN 0.35 FLRY
LHD 1611.000001 1567964-XX-A (W)

X192-1 Power In
WAU1
X192

EPAS (RHD)
W ***RHD*** X190A

EPS02_R-A BN 0.35 FLRY
RHD 1750.000001 1567964-XX-A (W)

X193A-1 Power In
WAU2
X193A

EPS01_R-A GN 0.35 FLRY
RHD 1748.000001 1567964-XX-A (W)

X192A-1 Power In
WAU1
X192A

LHD
MCU (LHD)
W,B

X170-4 Power - Always On
Main Power
X170

MCU (RHD) ***RHD***
W, B

X170A-4 Power - Always On
Main Power
X170A

HCU/ESP
W

X151-25 Power In
+12V_VR
X151

iBooster & DTS
W ***LHD*** X150

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

iBooster & DTS (RHD)
W ***RHD*** X150A

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

LHD
Autopilot ECU
W,J,B X003

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

Autopilot ECU (RHD)
W,J,B,A ***RHD***

X120A-9 Power In
12V0-BAT-20A
X120A

Headlamp Right
W

X261-1 Power In
Power
X261

Fascia Lamp Right
F ***FOG***

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

Side Repeater DAS Right
W X269 X824

X269-1 Power In
Power
X269

Side Repeater DAS Left
W X268 X823

X268-1 Power In
Power
X268

Fascia Lamp Left
F ***FOG***

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

Headlamp Left
W

X260-1 Power In
Power
X260

iBooster & DTS
W ***LHD*** X150

X150-20 Power In
Wake
X150

iBooster & DTS (RHD)
W ***RHD*** X150A

X150A-20 Power In
Wake
X150A

Active Louvre
L

X506-2 Half-Bridge
Phase 3
X506-3 Half-Bridge
Phase 2
X506-4 Half-Bridge
Phase 1
X506-1 Ground-Chassis
GND
X506

EPAS (LHD)
W ***LHD*** X190

X193-1 Power In
WAU2
X193

X192-1 Power In
WAU1
X192

EPAS (RHD)
W ***RHD*** X190A

X193A-1 Power In
WAU2
X193A

X192A-1 Power In
WAU1
X192A

= Shared E-Fuses

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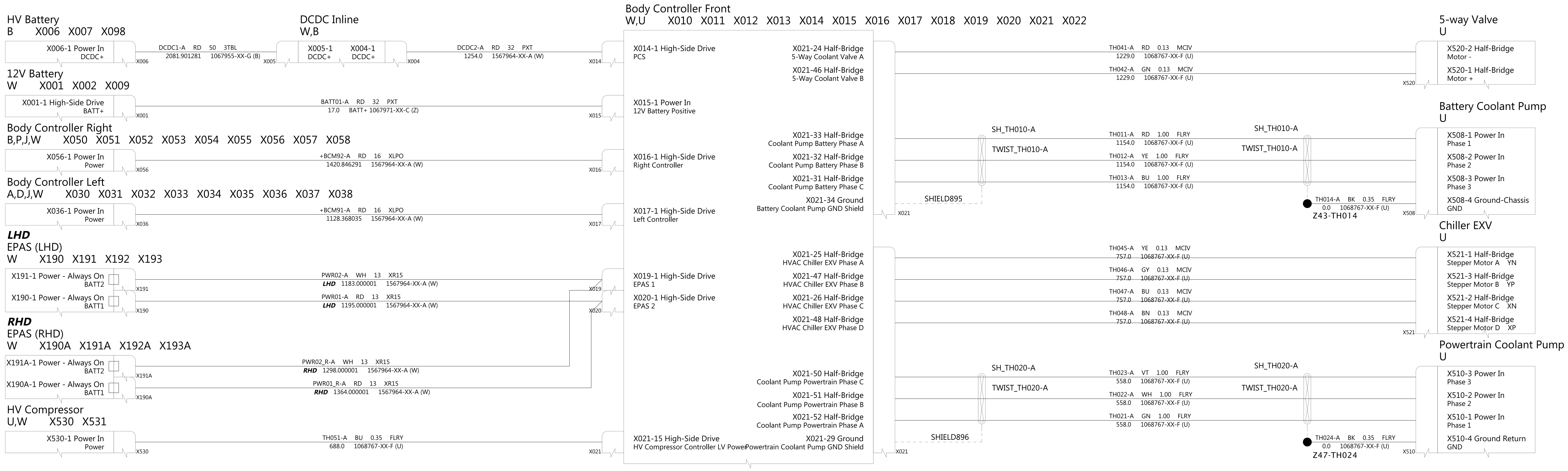
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

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

PART NUMBER	REV	SHEET	SIZE
	2	29 OF 45	A0

1/1(A0 TESLA)



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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCFront, J5-J12

PART NUMBER	REV	SHEET	SIZE
	2	30 OF 45	A0

Trunk Internal Illumination Left
A
X296-1 Power In
Power
X296
INL71-A VT 0.35 FLRY
3645.25653 2067954-XX-B (A)

Door Map Pocket LED Rear Left
R ***PINLT***
X435-1 PWM In
Power
X435
DCL171-B OG 0.35 FLRY
PINLT 407.661076 2067965-XX-A (R)
X924F 16 16 X924M
DCL171-A OG 0.35 FLRY
PINLT 1770.30393 2067954-XX-B (A)
X030

Door Map Pocket LED Front Left
D ***PMIRR***
X370-1 PWM In
Power
X370
DCL71-A RD 0.35 FLRY
PMIRR 1880.0 1067957-XX-F (D)
X033

Drive Inverter Rear & Resolver
X X090 X091
X090-3 Power In
Switched +12V
X090
+DRV62-A YE 0.35 FLRY
767.0 1067968-XX-E (X)
X950F 9 9 X950M
+DRV62-B YE 0.35 FLRY
4219.41923 2067954-XX-B (A)

Heat Pad Backrest Rear Left
A ***COLDW***
X676-2 Power In
Heater + 12V
X676
RS035-A GN 0.50 FLRY
COLDW 2180.94143 2067954-XX-B (A)

Charge Port ECU
A X096 X687 X688
X096-10 Power - Always On
12V
X096
+CP001-A OG 0.35 FLRY
3510.25643 2067954-XX-B (A)

Latch Rear Left
R
X427-3 Half-Bridge
UNLATCH RESET
X427-4 Half-Bridge
UNLATCH OPEN
X427
DCL124-A GY 0.50 FLRY
533.661076 2067965-XX-A (R)
X924F 10 10 X924M
DCL124-B GY 0.50 FLRY
1770.30393 2067954-XX-B (A)
DCL123-A WH 0.50 FLRY
533.661076 2067965-XX-A (R)
X924F 9 9 X924M
DCL123-B WH 0.50 FLRY
1770.30393 2067954-XX-B (A)

PINLT
Security Controller
C
X492-1 Power In
Power
X492
SEC91-B YE 0.13 MCIV
PINLT 600.0 2067956-XX-A (C)
X930M 4 4 X930F
SEC91-A YE 0.13 MCIV
BINLT || PINLT 1714.54713 2067954-XX-B (A)

BINLT
Security Controller (B)
C
BINLT X492A-1 Power In
Power
X492A
SEC91-C YE 0.13 MCIV
BINLT 585.0 2067956-XX-A (C)

BLE Rear
A
X497-4 Power In
VBAT
X497
BLE04-A RD 0.50 FLRY
3665.25643 2067954-XX-B (A)

Overhead Console Front
K
X299-1 Power In
VBAT
X299
INL81-A YE 0.35 FLRY
1581.651388 2067970-XX-A (K)
X981F 19 19 X981M
INL81-B YE 0.35 FLRY
324.21243 2067954-XX-B (A)

BLE Left B-Pillar
A
X493-1 Power In
VBAT
X493
BLE03-A BU 0.13 MCIV
2440.67793 2067954-XX-B (A)

Tail Light Left Body
A
X270-5 Power In
Not connected (SAE), Stop (ECE)
X270-2 Power In
Tail (SAE/ECE)
X270-3 Power In
Turn/Stop (SAE), Turn (ECE)
X270
EXL22-A GY 0.35 FLRY
3653.56723 2067954-XX-B (A)
EXL21-A RD 0.35 FLRY
3653.56723 2067954-XX-B (A)
EXL23-A VT 0.35 FLRY
3653.56723 2067954-XX-B (A)

Window Lift Motor Rear Left
R
X433-1 Half-Bridge
MOTOR +
X433-5 Half-Bridge
MOTOR -
X433
TWIST_DCL101-A
DCL101-A WH 1.50 FLRY
559.661076 2067965-XX-A (R)
DCL102-A GY 1.50 FLRY
559.661076 2067965-XX-A (R)
X924F 1 1 X924M
X924F 12 12 X924M
DCL101-B WH 1.50 FLRY
1770.30393 2067954-XX-B (A)
DCL102-B GY 1.50 FLRY
1770.30393 2067954-XX-B (A)
TWIST_DCL101-B

PINLT
USB Ports Front
C
X196-1 Power In
12V Battery Input
X196-2 Power In
12V Battery Input
X196
Size at pin: 0.75
AUX02-A YE 0.75 FLRY
PINLT 490.039583 2067956-XX-A (C)
Size at pin: 0.75
AUX02-C YE 0.75 FLRY
PINLT 490.039583 2067956-XX-A (C)
Z1-AUX02
AUX02-G YE 2.00 FLRY
BINLT || PINLT 604.960417 2067956-XX-A (C)
X930M 15 15 X930F
AUX02-K YE 1.00 FLRY
1714.54713 2067954-XX-B (A)

BINLT
USB Ports Front (B)
C
X196A-2 Power In
12V Battery Input
X196A-1 Power In
12V Battery Input
X196A
Size at pin: 0.75
AUX02-I YE 0.75 FLRY
BINLT 969.960417 2067956-XX-A (C)
Size at pin: 0.75
AUX02-J YE 0.75 FLRY
BINLT 969.960417 2067956-XX-A (C)

PINLT
12V Power Socket Center Console
C
X197-A Power In
Power
X197
AUX01-B BU 2.00 FLRY
PINLT 660.0 2067956-XX-A (C)
X930M 1 1 X930F
AUX01-A BU 2.00 FLRY
BINLT || PINLT 1714.54713 2067954-XX-B (A)

BINLT
12V Power Socket Center Console (B)
C
X197A-A Power In
Power
X197A
AUX01-C BU 2.00 FLRY
BINLT 610.0 2067956-XX-A (C)

EPB Left
A
X162-1 Power In
Power - Apply
X162-2 Power In
Power - Release
X162
TWIST_ABS51-A
+ABS51-A RD 1.50 FLRY
4058.56163 2067954-XX-B (A)
+ABS52-A BK 1.50 FLRY
4058.56163 2067954-XX-B (A)
TWIST_ABS51-A
X030

Puddle LED Front Left
D
X371-1 Power In
Power
X371
DCL21-A VT 0.35 FLRY
1594.0 1067957-XX-F (D)
X033

Puddle LED Rear Left
R
X436-1 Power In
Power
X436
DCL121-A VT 0.35 FLRY
404.911076 2067965-XX-A (R)
X924F 7 7 X924M
DCL121-B VT 0.35 FLRY
1811.97343 2067954-XX-B (A)
X031

Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X030-18 High-Side Drive
Trunk Interior LED
X030-20 High-Side Drive
Door Rear Map Pocket LED
X033-29 High-Side Drive
Door Front Map Pocket LED
X030-26 High-Side Drive
Rear Drive Inverter
X030-27 High-Side Drive
Seat Rear Left Heat Pad Backrest
X030-28 High-Side Drive
Charge Port ECU
X030-29 Half-Bridge
Door Rear Latch Reset
X030-30 Half-Bridge
Door Rear Latch Release
X030-35 High-Side Drive
Security Controller
X030-34 High-Side Drive
BLE Rear
X030-36 High-Side Drive
Headliner Power
X030-40 High-Side Drive
BLE B Pillar
X030-41 High-Side Drive
Body Side Brake Light
X030-42 High-Side Drive
Body Side Tail Light
X030-44 High-Side Drive
Body Side Turn Signal
X030-48 Half-Bridge
Window Rear Motor Up
X030-49 Half-Bridge
Window Rear Motor Down
X030-47 High-Side Drive
USB Ports Front
X030-50 High-Side Drive
12V Power Socket
X030-51 Half-Bridge
Parking Brake Apply
X030-52 Half-Bridge
Parking Brake Release
X033-9 Digital In - Wake
Door Front Latch Open Puddle LED
X031-40 Digital In - Wake
Door Rear Latch Open Puddle LED

X031-11 High-Side Drive
TPMS
X031-24 High-Side Drive
Center Console Bin Front Switch LED
X031-25 High-Side Drive
Center Console Bin Rear Switch LED
X031-34 High-Side Drive
Rear Drive Inverter Discharge
X033-6 High-Side Drive
Door Front Window Switch LED
X031-37 High-Side Drive
Door Rear Window Switch LED
X031-38 High-Side Drive
Door Rear Interior Handle Switch LED
X033-2 High-Side Drive
Door Front Interior Handle Switch LED
X031-39 High-Side Drive
Door Rear Exterior Handle Sensor Sv
X032-9 Half-Bridge
Seat Front Backrest Up
X032-10 Half-Bridge
Seat Front Backrest Down
X032-12 Half-Bridge
Seat Front Track Forward
X032-13 Half-Bridge
Seat Front Track Reverse
X032-19 High-Side Drive
Occupant Classification ECU
X032-31 High-Side Drive
Seat Front Heat Pad Backrest
X032-32 High-Side Drive
Seat Front Heat Pad Cushion
X032-33 Half-Bridge
Seat Front Lift Up
X032-34 Half-Bridge
Seat Front Lift Down
X032-36 Half-Bridge
Seat Front Tilt Down
X032-37 Half-Bridge
Seat Front Tilt Up
X032-49 High-Side Drive
Lumbar ECU
X031-33 Vref Output
Ride Height Sensor RL 5V
X037-21 Vref Output
Ride Height Sensor FL 5V
X033-4 Vref Output
Mirror Tilt Position 5V

X031
DAS71-A YE 0.13 MCIV
3386.64363 2067954-XX-B (A)
X148
X148-1 Power In
Power In

X031
INL63-B OG 0.35 FLRY
PINLT 1756.21663 2067954-XX-B (A)
X930F 2 2 X930M
INL63-A OG 0.35 FLRY
PINLT 940.0 2067956-XX-A (C)
X293
X293-2 Ground Return
Ground

INL61-B BN 0.35 FLRY
1756.21663 2067954-XX-B (A)
X930F 8 8 X930M
INL61-A BN 0.35 FLRY
335.0 2067956-XX-A (C)
X294
X294-2 Ground Return
Ground

X031
+DRV61-A VT 0.13 MCIV
4261.08873 2067954-XX-B (A)
X950M 10 10 X950F
+DRV61-B VT 0.13 MCIV
767.0 1067968-XX-E (X)
X090
X090-22 Power In
Unswitched +12V

X033
DCL35-A GY 0.13 MCIV
LHD 1845.0 1067957-XX-F (D)
X365
X365-5 Power In
Illumination

DCL35-B GY 0.13 MCIV
RHD 1853.0 1067957-XX-F (D)
X369
X369-1 Power In
LED

X031
DCL134-B YE 0.35 FLRY
1811.97343 2067954-XX-B (A)
X924M 2 2 X924F
DCL134-A YE 0.35 FLRY
397.661076 2067965-XX-A (R)
X432
X432-1 Power In
LED

X031
DCL142-B WH 0.13 MCIV
1811.97343 2067954-XX-B (A)
X924M 14 14 X924F
DCL142-A WH 0.13 MCIV
636.661076 2067965-XX-A (R)
X426
X426-2 PWM In
Illumination

X033
DCL42-A YE 0.13 MCIV
2094.0 1067957-XX-F (D)
X366
X366-2 PWM In
Illumination

X031
DCL144-B GN 0.35 FLRY
1811.97343 2067954-XX-B (A)
X924M 17 17 X924F
DCL144-A GN 0.35 FLRY
731.661076 2067965-XX-A (R)
X425
X425-4 Power In
Us

TWIST_SCL09-A
SCL09-A YE 0.75 FLRY
LHST 2525.0 1076116-XX-F (Y)
SCL10-A BK 0.75 FLRY
LHST 2525.0 1076116-XX-F (Y)
TWIST_SCL09-A
X613
X613-1 Power In
Power (U+ = SEAT FORWARD, CW)
X613-3 Power In
Power (U+ = SEAT REARWARD, CCW)

TWIST_SCL23-A
SCL23-A BU 1.00 FLRY
LHST && PREMST 1930.0 1076116-XX-F (Y)
SCL24-A GY 1.00 FLRY
LHST && PREMST 1930.0 1076116-XX-F (Y)
TWIST_SCL23-A
X614
X614-1 Power In
Fore
X614-5 Power In
Aft

SCL30-A BU 0.13 MCIV
LHST && PASSN 1715.0 1076116-XX-F (Y)
X652
X652-4 Power In
Power

SCL13-A RD 0.50 FLRY
LHST 1740.0 1076116-XX-F (Y)
X616
X616-2 Power In
Heat +12V

SCL15-A YE 0.50 FLRY
LHST 1760.0 1076116-XX-F (Y)
X617
X617-2 Power In
Heater Supply

TWIST_SCL18-A
SCL19-A WH 0.75 FLRY
LHST 1785.0 1076116-XX-F (Y)
SCL18-A GN 0.75 FLRY
LHST 1785.0 1076116-XX-F (Y)
TWIST_SCL18-A
X618
X618-1 Half-Bridge
Up
X618-3 Half-Bridge
Down

TWIST_SCL40-A
SCL40-A YE 0.75 FLRY
LHST && PREMST 1835.0 1076116-XX-F (Y)
SCL41-A VT 0.75 FLRY
LHST && PREMST 1835.0 1076116-XX-F (Y)
TWIST_SCL40-A
X621
X621-1 Half-Bridge
Down
X621-3 Half-Bridge
Up

X032
SCL01-A RD 0.35 FLRY
LHST && PREMST 2460.0 1076116-XX-F (Y)
X619
X619-1 Power In
+12V Power

X031
+TAS61-A RD 0.35 FLRY
4261.08873 2067954-XX-B (A)
X950M 6 6 X950F
+TAS61-B RD 0.35 FLRY
REAP || REEU 1044.0 1067968-XX-E (X)
X085
X085-3 Power In
Power

X037
+TAS27-A RD 0.35 FLRY
REAP || REEU 2258.0 1567964-XX-A (W)
X083
X083-3 Power In
Power

X033
DCL60-A VT 0.13 MCIV
PMIRR 1901.0 1067957-XX-F (D)
X376
X376-4 Vref Input
Position Vref 5V

TPMS
A
Center Console Front Bin Switch
C ***PINLT***
Center Console Rear Bin Switch
C
Drive Inverter Rear & Resolver
X X090 X091
Window Switch Driver Front Left
D ***LHD***
Window Switch Pass Front Left
D ***RHD***
Window Switch RL
R
Interior Open Switch Rear Left
R
Interior Open Switch Front Left
D
Exterior Open Switch Rear Left
R
Seat Backrest Pitch Front
Y
Track Motor
Y ***PREMST***
OCS
Y ***PASSN*** X241 X652
Heat Pad Backrest Front
Y
Heat Pad Cushion Front
Y
Lift Motor
Y
PREMST
Tilt Motor
Y
PREMST
Lumbar
Y
REAP || REEU
Ride Height Sensor RL
X
Ride Height Sensor FL
W
PMIRR
Mirror Left Premium
D

= Shared E-Fuses

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCLeft, J1-J3

PART NUMBER	REV	SHEET	SIZE
	2	31 OF 45	A0

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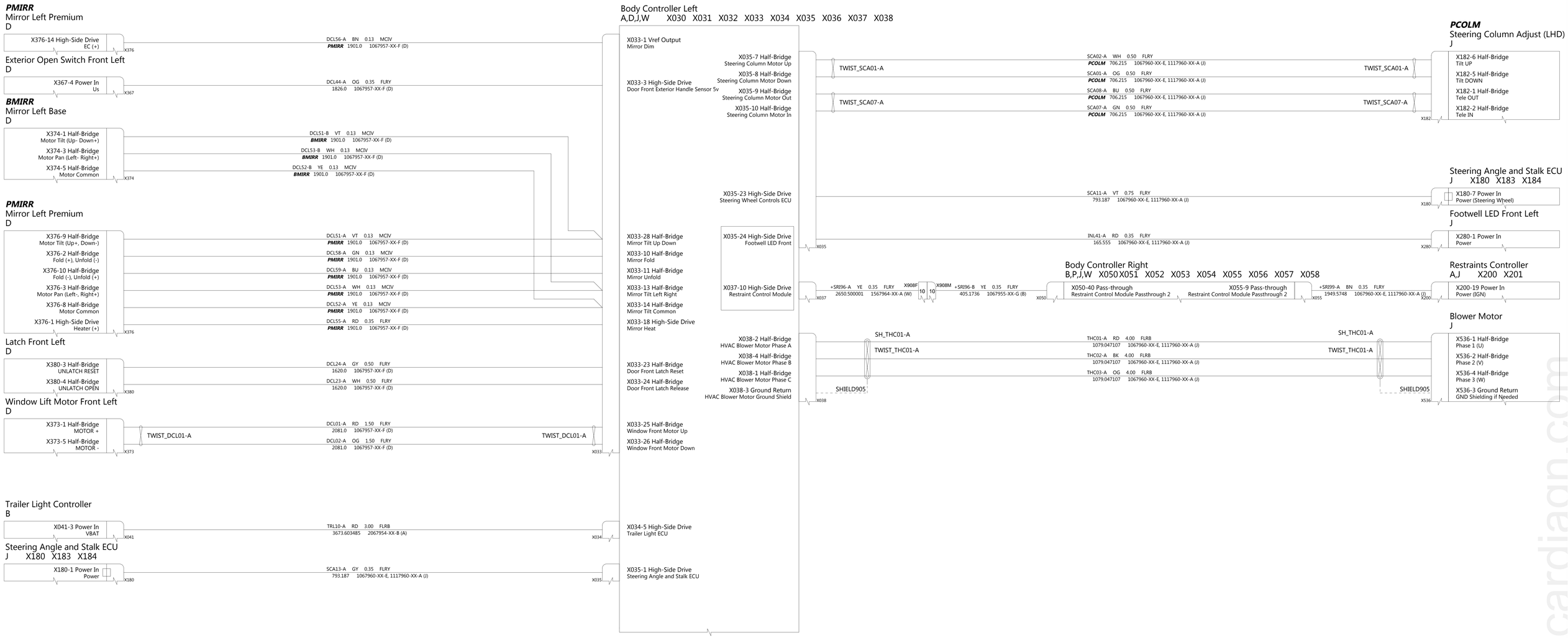

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

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

PART NUMBER	REV	SHEET	SIZE
	2	32 OF 45	A0

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

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

Tail Light Right Body
B
X272-2 Power In
Tail (SAE/ECE)
X272
EXL71-A YE 0.35 FLRY
3990.7189 1067955-XX-G (B)

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

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

Latch Rear Right
S
X457-4 Half-Bridge
UNLATCH OPEN
X457-3 Half-Bridge
UNLATCH RESET
X457
DCR123-A WH 0.50 FLRY
537.779904 2067966-XX-A (S)
X926F 9 9 X926M
DCR123-B WH 0.50 FLRY
1555.1116 1067955-XX-G (B)
DCR124-A GY 0.50 FLRY
537.779904 2067966-XX-A (S)
X926F 10 10 X926M
DCR124-B GY 0.50 FLRY
1555.1116 1067955-XX-G (B)

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

2nd Row Seat Cushion
B
COLDW X686-3 Power In
Cushion Heater +12V RH
X686
RS033-A BU 0.50 FLRY
COLDW 2194.123191 1067955-XX-G (B)

Door Map Pocket LED Rear Right
S ***PINLT***
X465-1 PWM In
Power
X465
DCR171-B OG 0.35 FLRY
PINLT 465.779904 2067966-XX-A (S)
X926F 16 16 X926M
DCR171-A OG 0.35 FLRY
PINLT 1555.1116 1067955-XX-G (B)

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

Trunk Internal Illumination Right
B
X297-1 Power In
X297
INL72-A RD 0.35 FLRY
4003.3437 1067955-XX-G (B)

HV Battery
B X006 X007 X098
X098-8 Power In
VEH-12V-BAT
X098
+BMS01-A YE 0.75 FLRY
2102.9183 1067955-XX-G (B)

EPB Right
B
X163-2 Power In
Power In
X163-1 Power In
Power In
X163
TWIST_ABS53-A
+ABS54-A BK 1.50 FLRY
4386.4394 1067955-XX-G (B)
+ABS53-A GN 1.50 FLRY
4386.4394 1067955-XX-G (B)
TWIST_ABS53-A

Drive Unit Oil Pump Rear
X
X092-1 Power In
Switched +12V
X092
+DRV81-A RD 1.00 FLRY
949.0 1067968-XX-E (X)
X952F 10 10 X952M
+DRV81-C RD 1.00 FLRY
2467.0436 1067955-XX-G (B)
Z1-+DRV81
+DRV81-B RD 2.00 FLRY
324.4046 1067955-XX-G (B)

Window Lift Motor Rear Right
S
X463-5 Half-Bridge
MOTOR -
X463-1 Half-Bridge
MOTOR +
X463
TWIST_DCR101-A
DCR102-A BU 1.50 FLRY
563.779904 2067966-XX-A (S)
DCR101-A RD 1.50 FLRY
563.779904 2067966-XX-A (S)
X926F 12 12 X926M
X926F 1 1 X926M
DCR102-B BU 1.50 FLRY
1555.1116 1067955-XX-G (B)
DCR101-B RD 1.50 FLRY
1555.1116 1067955-XX-G (B)
TWIST_DCR101-B

2nd Row Seat Cushion
B
COLDW X686-1 Power In
Cushion Heater +12V LH
COLDW X686-2 Power In
Cushion Heater +12V CTR
X686
RS031-A YE 0.50 FLRY
COLDW 2194.123191 1067955-XX-G (B)
RS032-A GN 0.50 FLRY
COLDW 2194.123191 1067955-XX-G (B)

Tail Light Right Body
B
X272-3 Power In
Turn/Stop (SAE), Turn (ECE)
X272-5 Power In
Not connected (SAE), Stop (ECE)
X272
EXL73-A RD 0.35 FLRY
3990.7189 1067955-XX-G (B)
EXL72-A GY 0.35 FLRY
3990.7189 1067955-XX-G (B)

CHMSL
Q
X274-1 Power In
Stop
X274
EXL91-A BU 0.35 FLRY
1125.0 1068770-XX-D (Q)
X970F 6 6 X970M
EXL91-B BU 0.35 FLRY
2791.4482 1067955-XX-G (B)

BLE Right B-Pillar
B
X494-1 Power In
VBAT
X494
BLE02-A YE 0.13 MCIV
2473.581 1067955-XX-G (B)

Trunk Latch
T
X341-1 Half-Bridge
MOTOR
X341
SEC72-B VT 0.35 FLRH
1440.0 1068789-XX-E (T)
X954F 8 8 X954M
SEC72-A VT 0.35 FLRY
3527.8777 1067955-XX-G (B)

Radio Tuner
B X562 X815 X818
X562-1 Power In
ACC
X562
AUD81-A RD 0.35 FLRY
2733.250976 1067955-XX-G (B)

Mirror - Rear View - Electrochromatic
V
X129-1 Power In
EC+
X129
INL91-B YE 0.35 FLRY
1790.0 1068787-XX-D (V)
X962F 1 1 X962M
INL91-A YE 0.35 FLRY
158.680634 1067955-XX-G (B)

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

Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

X050-51 High-Side Drive
Exterior Trunk Light Right

X050-50 High-Side Drive
Exterior Trunk Light Left

X050-41 High-Side Drive
Body Side Tail Light

X050-49 High-Side Drive
Exterior Trunk Tail and License Plate Lights

X050-9 Half-Bridge
Door Rear Latch Release

X050-10 Half-Bridge
Door Rear Latch Reset

X050-12 High-Side Drive
Seat Rear Right Heat Pad Backrest

X050-13 High-Side Drive
Seat Rear Right Heat Pad Cushion

X050-19 High-Side Drive
Door Rear Map Pocket LED
X050

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

X050-21 High-Side Drive
Trunk Interior LED

X050-48 High-Side Drive
HV Controller

X050-31 Half-Bridge
Parking Brake Release

X050-32 Half-Bridge
Parking Brake Apply

X050-33 High-Side Drive
Oil Pump Rear Drive Unit

X050-34 Half-Bridge
Window Rear Motor Down

X050-35 Half-Bridge
Window Rear Motor Up

X050-36 High-Side Drive
Seat Rear Left Heat Pad Cushion

X050-37 High-Side Drive
Seat Rear Center Heat Pad Cushion

X050-39 High-Side Drive
Turn Signal

X050-42 High-Side Drive
Body Side Brake Light

X050-20 High-Side Drive
CHMSL Brake Light

X050-43 High-Side Drive
BLE B Pillar

X050-46 High-Side Drive
Trunk Latch Release

X050-47 High-Side Drive
Radio Tuner

X050-22 Vref Output
Mirror Rear View Dim
X050

X053-6 Vref Output
Mirror Dim
X053

X055-38 High-Side Drive
HVAC PTC Heater

X055-10 High-Side Drive
Glove Box LED

X051-6 High-Side Drive
Light and Humidity Sensor

X051-33 High-Side Drive
Ultrasonic Sensors Rear

X051-34 High-Side Drive
Door Rear Window Switch LED
X051

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

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

X051-35 High-Side Drive
Door Rear Interior Handle Switch LED

X051-36 High-Side Drive
Door Rear Exterior Handle Sensor 5v
X051

X052-20 High-Side Drive
Occupant Classification ECU

X052-26 Half-Bridge
Seat Front Track Reverse

X052-27 Half-Bridge
Seat Front Track Forward

X052-29 Half-Bridge
Seat Front Backrest Down

X052-30 Half-Bridge
Seat Front Backrest Up

X052-34 High-Side Drive
Lumbar ECU

X052-46 Half-Bridge
Seat Front Tilt Up

X052-47 Half-Bridge
Seat Front Tilt Down

X052-49 Half-Bridge
Seat Front Lift Down

X052-50 Half-Bridge
Seat Front Lift Up

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

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

PTC Heater
J,W X535 X539 G025
X535-1 Power In
12V Battery
X535
THC81-A WH 0.13 MCIV
1509.6004 1067960-XX-E, 1117960-XX-A (J)

Glove Box - Ajar Sensor
J
X187-1 Analog In
Analog In
X187
INL51-A OG 0.35 FLRY
1158.4697 1067960-XX-E, 1117960-XX-A (J)

Humidity and Glass Temp
V
X303-1 Power In
Power In
X303
THC91-A VT 0.13 MCIV
139.387834 1067955-XX-G (B)
X962M 7 7 X962F
THC91-B VT 0.13 MCIV
1745.0 1068787-XX-D (V)

Ultrasonic Sensor RSR
G
X145-1 Power In
Power In
X145
PKA21-G RD 0.35 FLRY
4150.3592 1067955-XX-G (B)
X949M 1 1 X949F
PKA21-H RD 0.35 FLRY
307.67 1067959-XX-D (G)
Z48-PKA21
PKA21-E RD 0.35 FLRY
983.67 1067959-XX-D (G)

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

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

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

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

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

Window Switch RR
S
X462-1 Power In
LED
X462
DCR134-B WH 0.35 FLRY
1535.8188 1067955-XX-G (B)
X926M 17 17 X926F
DCR134-A WH 0.35 FLRY
401.779904 2067966-XX-A (S)

Window Switch Driver Front Right
P ***RHD***
X395-5 Power In
Illumination
X395
DCR35-B GY 0.13 MCIV
RHD 1845.0 1067963-XX-E (P)

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

Interior Open Switch Front Right
P
X396-2 PWM In
Illumination
X396
DCR42-A YE 0.13 MCIV
2094.0 1067963-XX-E (P)

Interior Open Switch Rear Right
S
X456-2 PWM In
Illumination
X456
DCR142-B YE 0.13 MCIV
1535.8188 1067955-XX-G (B)
X926M 13 13 X926F
DCR142-A YE 0.13 MCIV
640.779904 2067966-XX-A (S)

Exterior Open Switch Rear Right
S
X455-4 Power In
Us
X455
DCR144-B GY 0.35 FLRY
1535.8188 1067955-XX-G (B)
X926M 15 15 X926F
DCR144-A GY 0.35 FLRY
735.779904 2067966-XX-A (S)

OCS
Y ***PASSN*** X241
X652-4 Power In
Power
X652
SCR30-A BU 0.13 MCIV
PASSN && RHST 1715.0 1076116-XX-F (Y)

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

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

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

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

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

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

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

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, E-Fuse VCRight J1-J3

PART NUMBER	REV	SHEET	SIZE
	2	33 OF 45	A0

Cardinal

Exterior Open Switch Front Right
P

X397-4 Power In
Us
X397

DCR44-A GN 0.35 FLRY
1826.0 1067963-XX-E (P)

PMIRR
Mirror Right Premium
P

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

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

BMIRR
Mirror Right Base
P

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

DCR52-B BU 0.13 MCIV
BMIRR 1901.0 1067963-XX-E (P)
DCR53-B WH 0.13 MCIV
BMIRR 1901.0 1067963-XX-E (P)
DCR51-B VT 0.13 MCIV
BMIRR 1901.0 1067963-XX-E (P)

Window Lift Motor Front Right
P

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

TWIST_DCR01-A

DCR02-A OG 1.50 FLRY
2081.0 1067963-XX-E (P)
DCR01-A RD 1.50 FLRY
2081.0 1067963-XX-E (P)

TWIST_DCR01-A

Latch Front Right
P

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

DCR23-A WH 0.50 FLRY
1620.0 1067963-XX-E (P)
DCR24-A GY 0.50 FLRY
1620.0 1067963-XX-E (P)

X053

PMIRR
Mirror Right Premium
P

X406-4 Vref Input
Position Vref 5V
X406

Z1-HVC005V

HVC005V-F RD 0.35 FLRY
993.0 HVAC Case

X058

DCR60-A VT 0.13 MCIV
PMIRR 1901.0 1067963-XX-E (P)

Puddle LED Front Right
P

X401-1 Power In
Power
X401

DCR21-A VT 0.35 FLRY
1594.0 1067963-XX-E (P)

X053

Puddle LED Rear Right
S

X466-1 Power In
X466

DCR121-A VT 0.35 FLRY
505.779904 2067966-XX-A (S)

X926F 7 | 7 X926M

DCR121-B VT 0.35 FLRY
1535.8188 1067955-XX-G (B)

X051

Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

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

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

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

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

X058-19 Vref Output
HVAC Shared 5V
X053-3 Vref Output
Mirror Tilt Position 5V

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

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

X054-4 High-Side Drive
Premium Amp ECU

X054-5 High-Side Drive
Rear Glass Defrost

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

X055-6 Vref Output
HVAC Right Vane Position 5v
X055-32 Half-Bridge
HVAC Right Vane Duct Open
X055-33 Half-Bridge
HVAC Right Vane Duct Close

X055-37 High-Side Drive
Glove Box Latch Release

X055-11 High-Side Drive
Footwell LED Front

X057-21 High-Side Drive
Ultrasonic Sensors Front

X057-23 High-Side Drive
Restraint Control Module
X057-26 High-Side Drive
HV Contactors

X054

AMP91-A RD 3.00 FLRB
PAUDIO 3237.847336 1067955-XX-G (B)

TH091-A OG 3 FLXB
2932.7167 1067955-XX-G (B)

THC13-A GY 0.35 FLRY
1555.6484 1067960-XX-E, 1117960-XX-A (J)
THC33-A OG 0.35 FLRY
1555.6484 1067960-XX-E, 1117960-XX-A (J)
THC35-A WH 0.35 FLRY
1555.6484 1067960-XX-E, 1117960-XX-A (J)

THC15-A OG 0.35 FLRY
155.75 1067960-XX-E, 1117960-XX-A (J)
THC36-A BN 0.35 FLRY
155.75 1067960-XX-E, 1117960-XX-A (J)
THC38-A YE 0.35 FLRY
155.75 1067960-XX-E, 1117960-XX-A (J)

INL53-A VT 0.50 FLRY
1156.0743 1067960-XX-E, 1117960-XX-A (J)

INL42-A GY 0.35 FLRY
260.03 1067960-XX-E, 1117960-XX-A (J)

X055

PKA01-G RD 0.35 FLRY
2080.183116 1567964-XX-A (W)

X901M 10 | 10 X901F

PKA01-H RD 0.35 FLRY
633.0 1067958-XX-E (F)

Z50-PKA01

PKA01-F RD 0.35 FLRY
1613.0 1067958-XX-E (F)

PKA01-D RD 0.35 FLRY
1308.0 1067958-XX-E (F)

PKA01-C RD 0.35 FLRY
1003.0 1067958-XX-E (F)

PKA01-A RD 0.35 FLRY
197.0 1067958-XX-E (F)

PKA01-B RD 0.35 FLRY
313.0 1067958-XX-E (F)

PKA01-E RD 0.35 FLRY
613.0 1067958-XX-E (F)

+SRI97-A RD 0.35 FLRY
116.5 1567964-XX-A (W)

X908F 15 | 15 X908M

+BMS02-B OG 1.00 FLRY
116.5 1567964-XX-A (W)

+SRI97-B RD 0.35 FLRY
335.8808 1067955-XX-G (B)

Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

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

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

+SRI98-A RD 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)

X908F 12 | 12 X908M

+BMS02-A OG 1.00 FLRY
2202.9667 1067955-XX-G (B)

PAUDIO
Premium Amp Audio
B X560 X561 X563

X561-6 Power In
VbatAccIn14v0
X561

Rear Defrost Grid
B

X310-1 Power In
Defrost+
X310

Lateral Vanes Left
J

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

Lateral Vanes Right
J

X558-4 Vref Output
Duct Position 5v
X558-3 Half-Bridge
Duct Open
X558-7 Half-Bridge
Duct Close
X558

Glove Box - Latch
J

X186-1 High-Side Drive
Anode
X186

Footwell LED Front Right
J

X281-1 Power In
Power
X281

Ultrasonic Sensor LSF
F

X130-1 Power In
Power In
X130

Ultrasonic Sensor LOF
F

X131-1 Power In
Power In
X131

Ultrasonic Sensor LIF
F

X132-1 Power In
Power In
X132

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

Restraints Controller
A,J X200 X201

X200-20 Power In
Power (Permanent)
X200

HV Battery
B X006 X007 X098

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

= Shared E-Fuses

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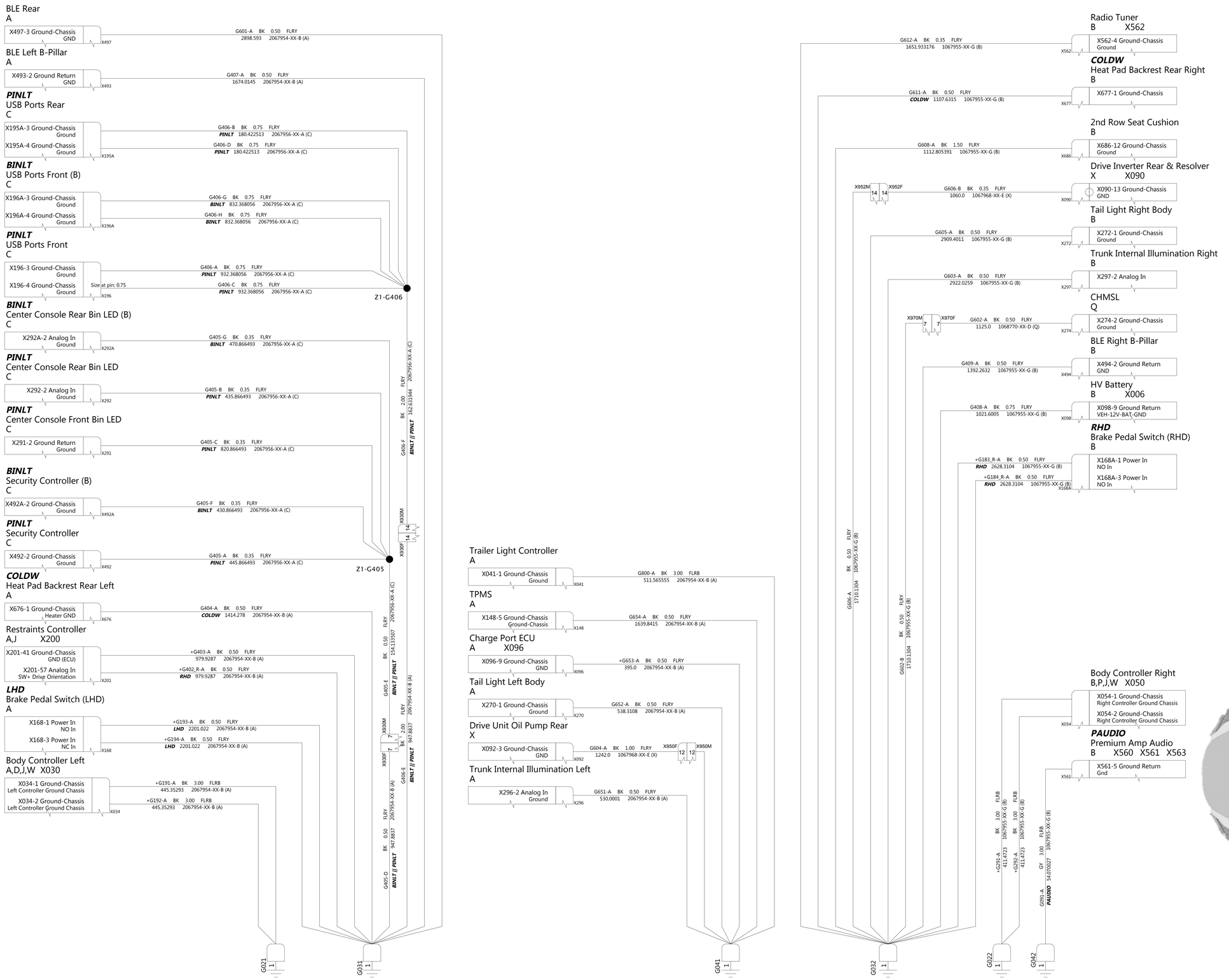
DRAWN	CHECKED	APPROVED

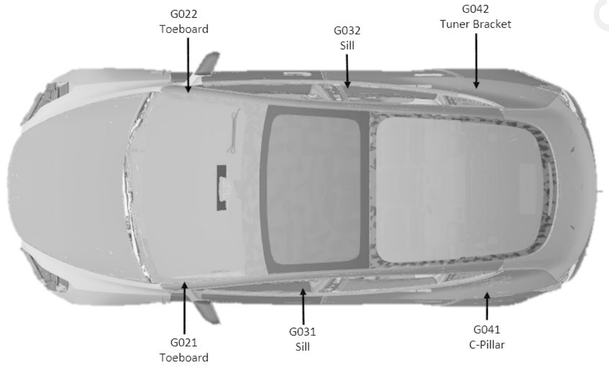
MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

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

PART NUMBER	REV	SHEET	SIZE
	2	34 OF 45	A0

1/1(A0 TESLA)





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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Power Distribution, Grounding A,B,C Pillars

PART NUMBER	REV	SHEET	SIZE
	2	35 OF 45	A0

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Horn Left - Low Tone
W
X198-2 Ground-Chassis Ground (X198)
G029-A BK 0.50 FLRY 619.774662 1567964-XX-A (W)

Horn Right - High Tone
W
X199-2 Ground-Chassis Ground (X199)
G029-B BK 0.50 FLRY 620.377088 1567964-XX-A (W)

Z1-G029

RHD
Windshield - Washer Pump & Level Sensor (RHD)
W
X301A-1 Ground-Chassis GND-pump
X301A-4 Ground-Chassis level-return (X301A)
G003_R-A BK 0.50 FLRY ***RHD*** 1866.060661 1567964-XX-A (W)
G002_R-A BK 0.50 FLRY ***RHD*** 1866.060661 1567964-XX-A (W)

LHD
Windshield - Washer Pump & Level Sensor (LHD)
W
X301-1 Ground-Chassis GND-pump
X301-4 Ground-Chassis level-return (X301)
G003-A BK 0.50 FLRY ***LHD*** 968.0 1567964-XX-A (W)
G002-A BK 0.50 FLRY ***LHD*** 968.0 1567964-XX-A (W)

Headlamp Left
W
X260-3 Ground-Chassis Ground (X260)
G012-A BK 1.00 FLRY 233.79057 1567964-XX-A (W)

AWD
Drive Inverter Front & Resolver
N X093 X094
X093-13 Ground-Chassis GND (X093)
G019-B BK 0.35 FLRY ***AWD*** 1232.0 1068769-XX-D (N)
X911F 8 | 8 X911M

Side Repeater DAS Left
W X268 X823
X268-2 Ground Return Ground (X268)
G024-A BK 0.50 FLRY 1790.0 1567964-XX-A (W)

AWD
Drive Unit Oil Pump Front
N
X095-3 Ground-Chassis GND (X095)
G020-B BK 1.00 FLRY ***AWD*** 1308.0 1068769-XX-D (N)

HCU/ESP
W
X151-38 Ground-Chassis GND_ECU
X151-13 Ground-Chassis GND_MR (X151)
G031-A BK 1.50 FLRY 721.0 1567964-XX-A (W)
G030-A BK 4 FLXB 721.0 1567964-XX-A (W)
X911F 16 | 16 X911M

LHD
EPAS (LHD)
W X190 X191 X192 X193
X190-2 Ground-Chassis GND1 (X190)
X191-2 Ground-Chassis GND2 (X191)

RHD
EPAS (RHD)
W X190A X191A X192A X193A
X190A-2 Ground-Chassis GND1 (X190A)
X191A-2 Ground-Chassis GND2 (X191A)

G013_R-A BK 13 XR15 1567964-XX-A (W) ***RHD*** 6900.0
G013-A BK 13 XR15 1567964-XX-A (W) ***LHD*** 5750.0
G011_R-A BK 13 XR15 1567964-XX-A (W) ***RHD*** 8200.0
G011-A BK 13 XR15 1567964-XX-A (W) ***LHD*** 6510.0
G020-A BK 1.00 FLRY 1567964-XX-A (W) ***AWD*** 6210.0
G019-A BK 0.35 FLRY 1567964-XX-A (W) ***AWD*** 1087.0 10870
G029-C BK 1.00 FLRY 1567964-XX-A (W) 382.232684

G099 G098 G013_R G013_L PIN1 G011 PIN2 G011 PIN3 G011 PIN6 G011 PIN5 G011 PIN4 G011

LHD
iBooster & DTS
W X150 X158 X159
X159-1 Ground-Chassis Ground (X159)
+G007-A BK 0.35 FLRY ***LHD*** 976.0 1567964-XX-A (W)

RHD
iBooster & DTS (RHD)
W X150A X158A X159A
X159A-1 Ground-Chassis Ground (X159A)
+G007_R-A BK 0.35 FLRY ***RHD*** 956.5 1567964-XX-A (W)

LHD
Glass Heater - Windshield (LHD)
W
X304-2 Ground-Chassis Common return (X304)
G008-A BK 1.00 FLRY ***LHD*** 805.09233 1567964-XX-A (W)

RHD
Glass Heater - Windshield (RHD)
W
X304A-2 Ground-Chassis Common return (X304A)
G008_R-A BK 1.00 FLRY ***RHD*** 636.702562 1567964-XX-A (W)

LHD
Wiper Motor (LHD)
W
X300-4 Ground-Chassis Ground (X300)

RHD
Wiper Motor (RHD)
W
X300A-3 Ground-Chassis Ground (X300A)

LHD
MCU (LHD)
W,B X170
X170-11 Ground-Chassis GND (X170)
G017-A BK 2.00 FLRY ***LHD*** 1570.307692 1567964-XX-A (W)

RHD
MCU (RHD)
W, B X170A
X170A-11 Ground-Chassis GND (X170A)
G017_R-A BK 2.00 FLRY ***RHD*** 1789.371952 1567964-XX-A (W)

LHD
MCU (LHD)
W,B X170
X170-10 Ground-Chassis GND (X170)
G014-A BK 2.00 FLRY ***LHD*** 1570.307692 1567964-XX-A (W)

RHD
MCU (RHD)
W, B X170A
X170A-10 Ground-Chassis GND (X170A)
G014_R-A BK 2.00 FLRY ***RHD*** 1789.371952 1567964-XX-A (W)

G006_R-A BK 2.50 FLRB ***RHD*** 714.271698 1567964-XX-A (W)
G006-A BK 2.50 FLRB ***LHD*** 1039.271699 1567964-XX-A (W)
+G018-A BK 4.00 FLRB ***LHD*** 662.25 1567964-XX-A (W)
+G018_R-A BK 4.00 FLRB ***RHD*** 970.270797 1567964-XX-A (W)

PIN3 G015 PIN1 G015 PIN5 G015 PIN6 G015 G017_L G017_R

LHD
iBooster & DTS
W X150 X158 X159
X150-9 Ground-Chassis GND_ECU [ground to Chassis for both logic and motor power and wakeup] (X150)

RHD
iBooster & DTS (RHD)
W X150A X158A X159A
X150A-9 Ground-Chassis GND_ECU [ground to Chassis for both logic and motor power and wakeup] (X150A)

Z1-G023

Emergency Frunk Release Switch
L
X333-2 Ground-Chassis GND (X333)
G023-G BK 0.35 FLRY 300.0 1567961-XX-A (L)

Frunk Latch
L X330 X331 X332
X332-2 Ground Return Ground (X332)
G023-F BK 0.35 FLRY 350.0 1567961-XX-A (L)

Radar Front
L
X104-1 Ground-Chassis GND (X104)
G023-E BK 0.35 FLRY 452.0 1567961-XX-A (L)

Homelink ECU
L
X485-2 Ground-Chassis Ground-Chassis (X485)
G023-J BK 1.00 FLRY 258.0 1567961-XX-A (L)

REEU
Battery Backup Siren
L
X487-1 Ground-Chassis GND (X487)
G023-A BK 0.35 FLRY ***REEU*** 522.0 1567961-XX-A (L)

G023-C BK 1.00 FLRY 544.0 1567961-XX-A (L)

Autopilot ECU
W,J,B ***LHD***
X120-18 Ground-Chassis Ground (X120)
G010-A BK 2.00 FLRY ***LHD*** 2181.490808 1567964-XX-A (W)

Autopilot ECU (RHD)
W,J,B,A ***RHD***
X120A-18 Ground-Chassis Ground (X120A)
G010_R-A BK 2.00 FLRY ***RHD*** 3053.845637 1567964-XX-A (W)

Fascia Lamp Left
F ***FOG***
X262-3 Ground-Chassis Ground (X262)
G015-B BK 0.35 FLRY ***FOG*** 864.572533 1067958-XX-E (F)

X095M 9 | 9 X095F

Fascia Lamp Right
F ***FOG***
X263-3 Ground-Chassis Ground (X263)
G015-C BK 0.35 FLRY ***FOG*** 941.427467 1067958-XX-E (F)

Z1-G015

Frunk Access Post
F
X356-1 Ground-Chassis Ground (X356)
G015-A BK 1.00 FLRY ***FOG*** 604.572533 1067958-XX-E (F)
G015-F BK 1.00 FLRY ~***FOG*** 1766.0 1067958-XX-E (F)

Side Repeater DAS Right
W X269 X824
X269-2 Ground Return Ground (X269)
G025-A BK 0.50 FLRY 1103.742133 1567964-XX-A (W)

Headlamp Right
W
X261-3 Ground-Chassis Ground (X261)

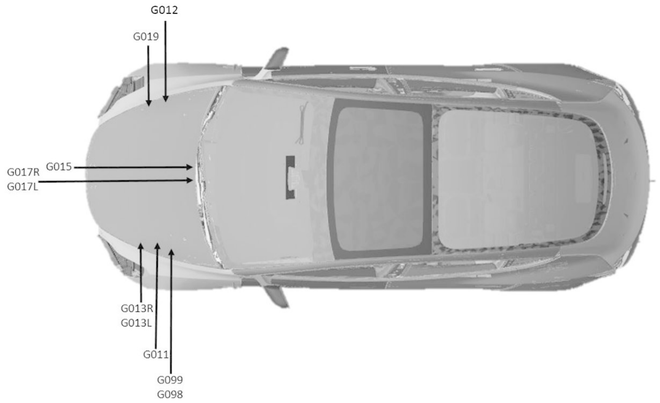
HV Compressor
U,W X530 X531
X531-1 Analog In Analog In (X531)

G015-E BK 1.00 FLRY ***FOG*** 1161.427467 1067958-XX-E (F)
X891F 16 | 16 X891M
G015-D BK 1.00 FLRY 404.0 1567964-XX-A (W)
G023-B BK 1.00 FLRY 194.403882 1567964-XX-A (W)
G016-A BK 1.00 FLRY 296.030777 1567964-XX-A (W)
THG01-A BK 4.00 FLRB 955.0 1068767-XX-F (U)

PIN6 G012 PIN5 G012 PIN4 G012 PIN3 G012 PIN2 G012 G019

G009-A BK 4.00 FLRB 1614.537238 1567964-XX-A (W)

G015_E G012_E



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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
	2	36 OF 45	A0

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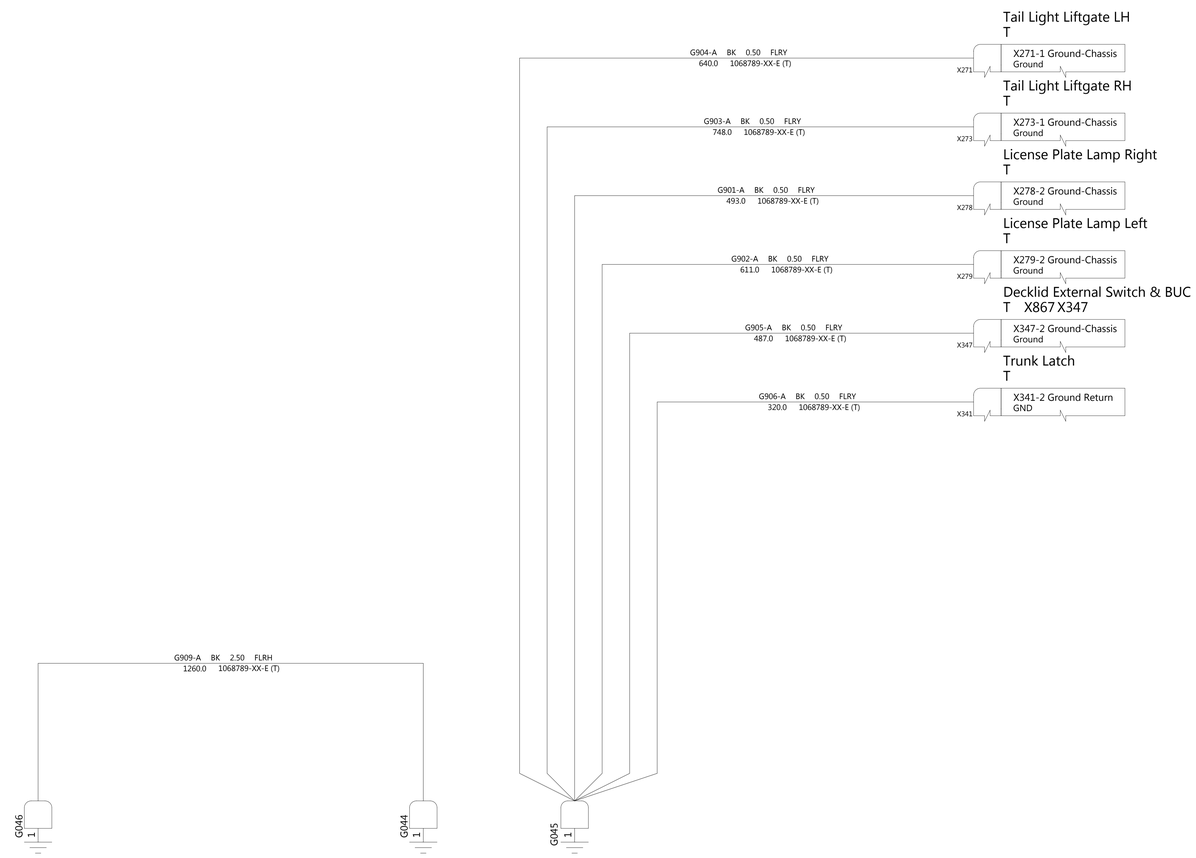

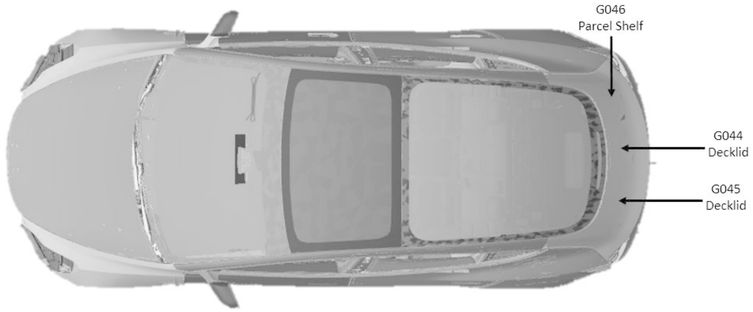

TESLA

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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
	2	37 OF 45	A0

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Restraints Controller
A,J X200

X200-19 High-Side Drive
Power (IGN)
X200-20 Power In
Power (Permanent)
X201-41 Ground-Chassis
GND (ECU)
X201-57 Analog In
SW+ Drive Orientation
X201-48 CAN-P
CAN+ Chassis
X201-47 CAN-N
CAN- Chassis
X200-16 Digital Out
PAS+ Left Front Door Satellite Pressure
X200-15 Signal Return
PAS- Left Front Door Satellite Pressure
X200-17 Digital Out
PAS+ Right Front Door Satellite Pressure
X200-18 Signal Return
PAS- Right Front Door Satellite Pressure
X201-60 CAN-P
CAN+ Private
X201-59 CAN-N
CAN- Private
X201-42 PWM Out
Emergency/Crash Notification Signal
X201-29 Digital Out
PAS+ Front Left Satellite Impact Sensor
X201-30 Signal Return
PAS- Front Left Satellite Impact Sensor
X201-19 Digital Out
PAS+ Front Middle Satellite Impact Sensor
X201-20 Signal Return
PAS- Front Middle Satellite Impact Sensor
X201-28 Digital Out
PAS+ Front Right Satellite Impact Sensor
X201-27 Signal Return
PAS- Front Right Satellite Impact Sensor
X201-45 Digital Out
PAS+ Left B-Pillar Satellite Impact Sensor
X201-46 Signal Return
PAS- Left B-Pillar Satellite Impact Sensor
X201-44 Digital Out
PAS+ Right B-Pillar Satellite Impact Sensor
X201-43 Signal Return
PAS- Right B-Pillar Satellite Impact Sensor
X201-32 Digital Out
PAS+ Left C-Pillar Satellite Impact Sensor
X201-31 Signal Return
PAS- Left C-Pillar Satellite Impact Sensor
X201-33 Digital Out
PAS+ Right C-Pillar Satellite Impact Sensor
X201-34 Signal Return
PAS- Right C-Pillar Satellite Impact Sensor
X200-25 Analog In
SW+ Left Seat Track Position (hall)
X200-14 Ground Return
GND (hall sensors return)
X200-26 Analog In
SW+ Right Seat Track Position (hall)
X201-52 High-Side Drive
FLIC+ 2nd Row Left Outboard Retractor Pretensioner
X201-51 Low-Side Drive
FLIC- 2nd Row Left Outboard Retractor Pretensioner
X201-49 High-Side Drive
FLIC+ 2nd Row Right Outboard Retractor Pretensioner
X201-50 Low-Side Drive
FLIC- 2nd Row Right Outboard Retractor Pretensioner

X200-29 High-Side Drive
FLIC+ Driver Front Airbag Stage1
X200-30 Low-Side Drive
FLIC- Driver Front Airbag Stage1
X200-23 High-Side Drive
FLIC+ Driver Front Airbag Stage2
X200-24 Low-Side Drive
FLIC- Driver Front Airbag Stage2
X200-1 High-Side Drive
FLIC+ Driver Active Vent
X200-2 Low-Side Drive
FLIC- Driver Active Vent
X200-28 High-Side Drive
FLIC+ Passenger Front Airbag Stage1
X200-27 Low-Side Drive
FLIC- Passenger Front Airbag Stage1
X200-22 High-Side Drive
FLIC+ Passenger Front Airbag Stage2
X200-21 Low-Side Drive
FLIC- Passenger Front Airbag Stage2
X200-5 High-Side Drive
FLIC+ Passenger Active Vent
X200-6 Low-Side Drive
FLIC- Passenger Active Vent
X200-11 High-Side Drive
FLIC+ Driver Knee Airbag
X200-12 Low-Side Drive
FLIC- Driver Knee Airbag
X200-7 High-Side Drive
FLIC+ Front Passenger Knee Airbag
X200-8 Low-Side Drive
FLIC- Front Passenger Knee Airbag
X200-10 High-Side Drive
FLIC+ Left Curtain Airbag
X200-9 Low-Side Drive
FLIC- Left Curtain Airbag
X200-4 High-Side Drive
FLIC+ Right Curtain Airbag
X200-3 Low-Side Drive
FLIC- Right Curtain Airbag
ECALL X200-13 Low-Side Drive
ENS (GTW)
X201-25 High-Side Drive
FLIC+ 1st Row Left Side Airbag
X201-26 Low-Side Drive
FLIC- 1st Row Left Side Airbag
X201-13 High-Side Drive
FLIC+ 1st Row Right Side Airbag
X201-14 Low-Side Drive
FLIC- 1st Row Right Side Airbag
X201-17 High-Side Drive
FLIC+ 1st Row Left Outboard Lap Pretensioner
X201-18 Low-Side Drive
FLIC- 1st Row Left Outboard Lap Pretensioner
X201-16 High-Side Drive
FLIC+ 1st Row Right Outboard Lap Pretensioner
X201-15 Low-Side Drive
FLIC- 1st Row Right Outboard Lap Pretensioner
X201-40 High-Side Drive
FLIC+ 1st Row Left Retractor Pretensioner
X201-39 Low-Side Drive
FLIC- 1st Row Left Retractor Pretensioner
X201-8 High-Side Drive
FLIC+ 1st Row LH Seatbelt Load Limiter
X201-7 Low-Side Drive
FLIC- 1st Row LH Seatbelt Load Limiter
X201-37 High-Side Drive
FLIC+ 1st Right Seatbelt Load Limiter
X201-38 Low-Side Drive
FLIC- 1st Right Seatbelt Load Limiter
X201-5 High-Side Drive
FLIC+ 1st Row RH Retractor Pretensioner
X201-6 Low-Side Drive
FLIC- 1st Row RH Retractor Pretensioner
X201-58 Analog In
SW+ Front Passenger Automatic Locking Retractor Switch
X201-53 Ground Return
GND (switch return)

+SRI99-A BN 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)
+SRI98-A RD 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)
X200
+G403-A BK 0.50 FLRY
979.9287 2067954-XX-B (A)
+G402_R-A BK 0.50 FLRY
RHD 979.9287 2067954-XX-B (A)
Z1-+CCH03
Z1-+CCH04
TWIST-CAN_CCH03-D
+CCH03-D GY 0.35 FLRY
852.820966 2067954-XX-B (A)
+CCH04-D BN 0.35 FLRY
852.762593 2067954-XX-B (A)
X201

Body Controller Left
A,D,J,W

X035-21 Pass-through
Front Door Pressure Sensor Passthrough P
X035-22 Pass-through
Front Door Pressure Sensor Passthrough N
X033-36 Pass-through
Front Door Pressure Sensor Passthrough P
X033-37 Pass-through
Front Door Pressure Sensor Passthrough N
X035
TWIST_SRI01_A-A
+SRI01_A-A GY 0.35 FLRY
2292.3412 1067960-XX-E, 1117960-XX-A (J)
+SRI02_A-A GN 0.35 FLRY
2292.3412 1067960-XX-E, 1117960-XX-A (J)

Pressure Sensor - FL Door
D

X204-1 Digital In
PPS+
X204-2 Signal Return
PPS-
X204
TWIST_SRI11-A
+SRI01_B-A YE 0.35 FLRY
1970.0 1067957-XX-F (D)
+SRI02_B-A RD 0.35 FLRY
1970.0 1067957-XX-F (D)
X033

Body Controller Right
B,P,J,W

X055-2 Pass-through
Front Door Pressure Sensor Passthrough P
X055-1 Pass-through
Front Door Pressure Sensor Passthrough N
X053-24 Pass-through
Front Door Pressure Sensor Passthrough P
X053-23 Pass-through
Front Door Pressure Sensor Passthrough N
X055
TWIST_SRI03_A-A
+SRI03_A-A BN 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)
+SRI04_A-A BU 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)
X200

Pressure Sensor - FR Door
P

X205-1 Digital In
PPS+
X205-2 Signal Return
PPS-
X205
TWIST_SRI09-A
+SRI03_B-A OG 0.35 FLRY
1970.0 1067963-XX-E (P)
+SRI04_B-A GN 0.35 FLRY
1970.0 1067963-XX-E (P)
X053

Z1-+CPT01
Z1-+CPT02
+CPT01-H BU 0.35 FLRY
211.337516 2067954-XX-B (A)
+CPT02-H WH 0.35 FLRY
232.059995 2067954-XX-B (A)
+ENS20-B RD 0.35 FLRY
434.9128 2067954-XX-B (A)

Impact Sensor - Front Left
W

X202-1 Digital In
PAS+
X202-2 Signal Return
PAS-
X202
TWIST_SRI13-A
+SRI13-A GN 0.35 FLRY
1750.5 1567964-XX-A (W)
+SRI14-A BU 0.35 FLRY
1750.5 1567964-XX-A (W)
X909F 18 18 X909M
X909F 19 19 X909M
+SRI13-B GN 0.35 FLRY
1694.5747 2067954-XX-B (A)
+SRI14-B BU 0.35 FLRY
1694.5747 2067954-XX-B (A)
TWIST_SRI13-B

Impact Sensor - Front Middle
L

X210-1 Digital In
PAS+
X210-2 Signal Return
PAS-
X210
TWIST_SRI15-A
+SRI15-A OG 0.35 FLRY
782.0 1567961-XX-A (L)
+SRI16-A YE 0.35 FLRY
782.0 1567961-XX-A (L)
X905M 12 12 X905F
X905M 13 13 X905F
TWIST_SRI15-B
+SRI15-B OG 0.35 FLRY
2866.086999 1567964-XX-A (W)
+SRI16-B YE 0.35 FLRY
2866.086999 1567964-XX-A (W)
X909F 7 7 X909M
X909F 8 8 X909M
+SRI15-C OG 0.35 FLRY
1694.5747 2067954-XX-B (A)
+SRI16-C YE 0.35 FLRY
1694.5747 2067954-XX-B (A)
TWIST_SRI15-C

Impact Sensor - Front Right
W

X203-1 Digital In
PAS+
X203-2 Signal Return
PAS-
X203
TWIST_SRI17-A
+SRI17-A OG 0.35 FLRY
2935.683117 1567964-XX-A (W)
+SRI18-A RD 0.35 FLRY
2935.683117 1567964-XX-A (W)
X909F 20 20 X909M
X909F 21 21 X909M
+SRI17-B OG 0.35 FLRY
1694.5747 2067954-XX-B (A)
+SRI18-B RD 0.35 FLRY
1694.5747 2067954-XX-B (A)
TWIST_SRI17-B

Impact Sensor - B-Pillar Left
A

X206-1 Digital In
PAS+
X206-2 Signal Return
PAS-
X206
TWIST_SRI19-A
+SRI19-A GY 0.35 FLRY
1322.9795 2067954-XX-B (A)
+SRI20-A VT 0.35 FLRY
1322.9795 2067954-XX-B (A)
TWIST_SRI19-A

Impact Sensor - B-Pillar Right
B

X207-1 Digital In
PAS+
X207-2 Signal Return
PAS-
X207
TWIST_SRI21-A
+SRI21-A BU 0.35 FLRY
850.3484 1067955-XX-G (B)
+SRI22-A VT 0.35 FLRY
850.3484 1067955-XX-G (B)
X935M 3 3 X935F
X935M 4 4 X935F
+SRI21-B BU 0.35 FLRY
530.940202 2067954-XX-B (A)
+SRI22-B VT 0.35 FLRY
530.940202 2067954-XX-B (A)
TWIST_SRI21-B

Impact Sensor - C-Pillar Left
A

X208-1 Digital In
PAS+
X208-2 Signal Return
PAS-
X208
TWIST_SRI23-A
+SRI23-A VT 0.35 FLRY
2043.7047 2067954-XX-B (A)
+SRI24-A BN 0.35 FLRY
2043.7047 2067954-XX-B (A)
TWIST_SRI23-A

Impact Sensor - C-Pillar Right
B

X209-1 Digital In
PAS+
X209-2 Signal Return
PAS-
X209
TWIST_SRI25-A
+SRI25-A GN 0.35 FLRY
1741.9259 1067955-XX-G (B)
+SRI26-A RD 0.35 FLRY
1741.9259 1067955-XX-G (B)
X935M 5 5 X935F
X935M 6 6 X935F
+SRI25-B GN 0.35 FLRY
530.940202 2067954-XX-B (A)
+SRI26-B RD 0.35 FLRY
530.940202 2067954-XX-B (A)
TWIST_SRI25-B
X201

Body Controller Left
A,D,J,W

X035-19 Pass-through
Seat Track Position Sensor Passthrough
X035-18 Pass-through
Seat Track Position Sensor Ground Passthrough
X035
TWIST_SRI05_B-A
+SRI05_B-A VT 0.35 FLRY
LHD 2292.3412 1067960-XX-E, 1117960-XX-A (J)
+SRI06_B-A WH 0.35 FLRY
980.7074 1067960-XX-E, 1117960-XX-A (J)
+SRI05_R-A VT 0.35 FLRY
RHD 2292.3412 1067960-XX-E, 1117960-XX-A (J)

Body Controller Right
B,P,J,W

+SRI07_A-A BN 0.35 FLRY
TWIST_SRI07_A-A
+SRI08_A-A WH 0.35 FLRY
RHST 1865.0 1076116-XX-F (Y)
RHST 1865.0 1076116-XX-F (Y)
X052
X052-32 Pass-through
Seat Track Position Sensor Passthrough
X052-33 Pass-through
Seat Track Position Sensor Ground Passthrough
X055-4 Pass-through
Seat Track Position Sensor Ground Passthrough
X055-3 Pass-through
Seat Track Position Sensor Passthrough
X055
+SRI06_B-B WH 0.35 FLRY
637.941 1067960-XX-E, 1117960-XX-A (J)
+SRI07_B-A OG 0.35 FLRY
LHD 1949.5748 1067960-XX-E, 1117960-XX-A (J)
+SRI07_B_R-A OG 0.35 FLRY
RHD 1949.5748 1067960-XX-E, 1117960-XX-A (J)
Z1-+SRI06_B
+SRI06_B-C WH 0.35 FLRY
1311.6338 1067960-XX-E, 1117960-XX-A (J)
X200

Retractor - RL
A

X219-1 Squib+-
FLIC+
X219-2 Squib-
FLIC-
X219
TWIST_SRS39-A
+SRS39-A GY 0.35 FLRY
2838.8454 2067954-XX-B (A)
+SRS40-A BU 0.35 FLRY
2838.8454 2067954-XX-B (A)
TWIST_SRS39-A

Retractor - RR
B

X220-1 Squib+-
FLIC+
X220-2 Squib-
FLIC-
X220
TWIST_SRS41-A
+SRS41-A BK 0.35 FLRY
2562.1138 1067955-XX-G (B)
+SRS42-A WH 0.35 FLRY
2562.1138 1067955-XX-G (B)
X935M 18 18 X935F
X935M 19 19 X935F
+SRS41-B BK 0.35 FLRY
530.940202 2067954-XX-B (A)
+SRS42-B WH 0.35 FLRY
530.940202 2067954-XX-B (A)
TWIST_SRS41-B
X201

Steering Angle and Stalk ECU
J X180 X183 X184

TWIST_SRS05-A
+SRS05-A OG 0.35 FLRY
1924.0822 1067960-XX-E, 1117960-XX-A (J)
+SRS06-A WH 0.35 FLRY
1924.0822 1067960-XX-E, 1117960-XX-A (J)
TWIST_SRS07-A
+SRS07-A RD 0.35 FLRY
1924.0822 1067960-XX-E, 1117960-XX-A (J)
+SRS08-A GN 0.35 FLRY
1924.0822 1067960-XX-E, 1117960-XX-A (J)
TWIST_SRS09-A
+SRS09-A YE 0.35 FLRY
1924.0822 1067960-XX-E, 1117960-XX-A (J)
+SRS10-A WH 0.35 FLRY
1924.0822 1067960-XX-E, 1117960-XX-A (J)
X180
X180-8 Squib-P
DABStage1+ (in)
X180-9 Squib-N
DABStage1- (in)
X180-10 Squib-P
DABStage2+ (in)
X180-11 Squib-N
DABStage2- (in)
X180-12 Squib-P
DABStage3+ (in)
X180-13 Squib-N
DABStage3- (in)
X183-1 Squib-P
DABStage1+ (out)
X183-2 Squib-N
DABStage1- (out)
X183-3 Squib-P
DABStage2+ (out)
X183-4 Squib-N
DABStage2- (out)
X183-5 Squib-P
DABStage3+ (out)
X183-6 Squib-N
DABStage3- (out)
X183
CLOCKSPRING1-A
2.75 Steering Column
CLOCKSPRING2-A
2.75 Steering Column
CLOCKSPRING3-A
2.75 Steering Column
CLOCKSPRING4-A
2.75 Steering Column
CLOCKSPRING5-A
2.75 Steering Column
CLOCKSPRING6-A
2.75 Steering Column
X227

Airbag - Driver Steering Wheel

X227-1 Squib-P
DABStage1+
X227-2 Squib-N
DABStage1-
X227-3 Squib-P
DABStage2+
X227-4 Squib-N
DABStage2-
X227-5 Squib-P
DABStage3+
X227-6 Squib-N
DABStage3-

Airbag - Passenger
J X229 X230 X231

TWIST_SRS11-A
+SRS11-A GY 0.35 FLRY
1868.9707 1067960-XX-E, 1117960-XX-A (J)
+SRS12-A BN 0.35 FLRY
1868.9707 1067960-XX-E, 1117960-XX-A (J)
TWIST_SRS13-A
+SRS13-A YE 0.35 FLRY
1853.3037 1067960-XX-E, 1117960-XX-A (J)
+SRS14-A BU 0.35 FLRY
1853.3037 1067960-XX-E, 1117960-XX-A (J)
TWIST_SRS15-A
+SRS15-A BK 0.35 FLRY
RENA 1802.591937 1067960-XX-E, 1117960-XX-A (J)
+SRS16-A RD 0.35 FLRY
RENA 1802.591937 1067960-XX-E, 1117960-XX-A (J)
X229
X230
X231

X229-1 Squib-P
FLIC+
X229-2 Squib-N
FLIC-
X230-1 Squib-P
FLIC+
X230-2 Squib-N
FLIC-
X231-1 Squib-P ***RENA***
FLIC+
X231-2 Squib-N ***RENA***
FLIC-

Airbag - Driver Knee, NA
J ***RENA***

TWIST_SRS17-A
+SRS17-A GN 0.35 FLRY
RENA 2422.3452 1067960-XX-E, 1117960-XX-A (J)
+SRS18-A WH 0.35 FLRY
RENA 2422.3452 1067960-XX-E, 1117960-XX-A (J)
X232

X232-1 Squib+-
FLIC+
X232-2 Squib-
FLIC-

Airbag - Passenger Knee
J ***RENA***

TWIST_SRS19-A
+SRS19-A OG 0.35 FLRY
RENA 2108.9128 1067960-XX-E, 1117960-XX-A (J)
+SRS20-A VT 0.35 FLRY
RENA 2108.9128 1067960-XX-E, 1117960-XX-A (J)
X233

X233-1 Squib+-
FLIC+
X233-2 Squib-
FLIC-

Body Controller Left
A,D,J,W X030

TWIST_SRS21_A-A
+SRS21_A-A RD 0.35 FLRY
2292.3412 1067960-XX-E, 1117960-XX-A (J)
+SRS22_A-A BU 0.35 FLRY
2292.3412 1067960-XX-E, 1117960-XX-A (J)
X035
X035-12 Pass-through
Curtain Airbag Passthrough P
X035-28 Pass-through
Curtain Airbag Passthrough N
X030-5 Pass-through
Curtain Airbag Passthrough P
X030-6 Pass-through
Curtain Airbag Passthrough N
X030
TWIST_SRS21_B-A
+SRS21_B-A RD 0.35 FLRY
3542.17753 2067954-XX-B (A)
+SRS22_B-A BU 0.35 FLRY
3542.17753 2067954-XX-B (A)

Airbag - Curtain - Driver
A

X225-1 Squib+-
FLIC+
X225-2 Squib-
FLIC-
X225

Body Controller Right
B,P,J,W X050

TWIST_SRS23_A-A
+SRS23_A-A WH 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)
+SRS24_A-A BK 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)
X055
X055-12 Pass-through
Curtain Airbag Passthrough P
X055-13 Pass-through
Curtain Airbag Passthrough N
X050-4 Pass-through
Curtain Airbag Passthrough P
X050-3 Pass-through
Curtain Airbag Passthrough N
X050
TWIST_SRS23_B-A
+SRS23_B-A WH 0.35 FLRY
3224.9122 1067955-XX-G (B)
+SRS24_B-A BK 0.35 FLRY
3224.9122 1067955-XX-G (B)

Airbag - Curtain - Passenger
B

X226-1 Squib+-
FLIC+
X226-2 Squib-
FLIC-
X226

Body Controller Right
B,P,J,W X050

X055-21 Pass-through
eCall Passthrough
X055
X057-25 Pass-through
eCall Passthrough
X057
+ENS10_A-A YE 0.35 FLRY
1949.5748 1067960-XX-E, 1117960-XX-A (J)
X200
+ENS10_B,R-A YE 0.35 FLRY
ECALL && RHD 2653.500001 1567964-XX-A (W)
+ENS10_B-A YE 0.35 FLRY
ECALL && LHD 116.5 1567964-XX-A (W)
X908F 11 11 X908M
+ENS10_B-B YE 0.35 FLRY
ECALL && LHD 503.289511 1067955-XX-G (B)

MCU (LHD)
W,B ***LHD*** X170

X173-8 PWM In ***ECALL***
RCM-ENS-IN
X173

Body Controller Left
A,D,J,W X030

TWIST_SRS25_A-A
+SRS25_A-A WH 0.35 FLRY
1746.59213 2067954-XX-B (A)
+SRS26_A-A BU 0.35 FLRY
1746.59213 2067954-XX-B (A)
X030
X030-14 Pass-through
Seat Side Airbag Passthrough P
X030-15 Pass-through
Seat Side Airbag Passthrough N
X032-25 Pass-through
Seat Side Airbag Passthrough P
X032-24 Pass-through
Seat Side Airbag Passthrough N
X032
TWIST_SRS25_B-A
+SRS25_B-A WH 0.35 FLRY
LHST 2650.0 1076116-XX-F (Y)
+SRS26_B-A GN 0.35 FLRY
LHST 2650.0 1076116-XX-F (Y)

Airbag - Side Seat FL
Y ***LHST***

X237-1 Squib+-
FLIC+
X237-2 Squib-
FLIC-
X237

Body Controller Right
B,P,J,W X050

+SRS27_A-A BN 0.35 FLRY
530.940202 2067954-XX-B (A)
+SRS28_A-A VT 0.35 FLRY
530.940202 2067954-XX-B (A)
X935F 7 7 X935F
X935F 8 8 X935F
TWIST_SRS27_A-A
X050
X050-15 Pass-through
Seat Side Airbag Passthrough P
X050-14 Pass-through
Seat Side Airbag Passthrough N
X052-14 Pass-through
Seat Side Airbag Passthrough P
X052-15 Pass-through
Seat Side Airbag Passthrough N
X052
TWIST_SRS27_B-A
+SRS27_B-A OG 0.35 FLRY
RHST 2415.0 1076116-XX-F (Y)
+SRS28_B-A BK 0.35 FLRY
RHST 2415.0 1076116-XX-F (Y)

Airbag - Side Seat FR
Y ***RHST***

X238-1 Squib+-
FLIC+
X238-2 Squib-
X238

Body Controller Left
A,D,J,W X030

TWIST_SRS03_A-A
+SRS03_A-A VT 0.35 FLRY
1746.59213 2067954-XX-B (A)
+SRS04_A-A GY 0.35 FLRY
1746.59213 2067954-XX-B (A)
X030
X030-7 Pass-through
Lap Pretensioner Passthrough P
X030-8 Pass-through
Lap Pretensioner Passthrough N
X032-2 Pass-through
Lap Pretensioner Passthrough P
X032-1 Pass-through
Lap Pretensioner Passthrough N
X032
TWIST_SRS03_B-A
+SRS03_B-A GY 0.35 FLRY
LHST 2312.0 1076116-XX-F (Y)
+SRS04_B-A BK 0.35 FLRY
LHST 2312.0 1076116-XX-F (Y)

Lap Pretensioner - FL
Y ***LHST***

X215-1 Squib-P
FLIC+
X215-2 Squib-N
FLIC-
X215

Body Controller Right
B,P,J,W X050

+SRS37_A-A BN 0.35 FLRY
530.940202 2067954-XX-B (A)
+SRS38_A-A YE 0.35 FLRY
530.940202 2067954-XX-B (A)
X935F 16 16 X935F
X935F 17 17 X935F
TWIST_SRS37_A-A
X050
X050-2 Pass-through
Lap Pretensioner Passthrough P
X050-1 Pass-through
Lap Pretensioner Passthrough N
X052-7 Pass-through
Lap Pretensioner Passthrough P
X052-8 Pass-through
Lap Pretensioner Passthrough N
X052
TWIST_SRS37_B-A
+SRS37_B-A GY 0.35 FLRY
RHST 2312.0 1076116-XX-F (Y)
+SRS38_B-A BK 0.35 FLRY
RHST 2312.0 1076116-XX-F (Y)

Lap Pretensioner - FR
Y ***RHST***

X216-1 Squib-P
FLIC+
X216-2 Squib-N
FLIC-
X216

Retractor - FL
A X217 X221

TWIST_SRS29-A
+SRS29-A RD 0.35 FLRY
1330.5258 2067954-XX-B (A)
+SRS30-A YE 0.35 FLRY
1330.5258 2067954-XX-B (A)
TWIST_SRS31-A
+SRS31-A GN 0.35 FLRY
1342.2034 2067954-XX-B (A)
+SRS32-A VT 0.35 FLRY
1342.2034 2067954-XX-B (A)
X217
X217-1 Squib+-
FLIC+
X217-2 Squib-
FLIC-
X221-1 Squib+-
FLIC+
X221-2 Squib-
FLIC-
X221

Retractor - FR
B X213 X218 X222

TWIST_SRS33-B
+SRS33-B BU 0.35 FLRY
530.940202 2067954-XX-B (A)
+SRS34-B OG 0.35 FLRY
530.940202 2067954-XX-B (A)
TWIST_SRS35-B
+SRS35-B GN 0.35 FLRY
530.940202 2067954-XX-B (A)
+SRS36-B WH 0.35 FLRY
530.940202 2067954-XX-B (A)
X935F 12 12 X935M
X935F 13 13 X935M
X935F 14 14 X935M
X935F 15 15 X935M
TWIST_SRS33-A
+SRS33-A BU 0.35 FLRY
1050.5326 1067955-XX-G (B)
+SRS34-A OG 0.35 FLRY
1050.5326 1067955-XX-G (B)
TWIST_SRS35-A
+SRS35-A GN 0.35 FLRY
1050.4692 1067955-XX-G (B)
+SRS36-A WH 0.35 FLRY
1050.4692 1067955-XX-G (B)
X218
X222
X218-1 Squib+-
FLIC+
X218-2 Squib-
FLIC-
X222-1 Squib+-
FLIC+
X222-2 Squib-
FLIC-
LHD X213-2 Hall Sensor Out
Hall Sensor Out
LHD X213-1 Power In
Power In
X213

TWIST_SRS50-B
+SRS50-B YE 0.35 FLRY
LHD && −ECALL 530.940202 2067954-XX-B (A)
+SRS51-B VT 0.35 FLRY
LHD && −ECALL 530.940202 2067954-XX-B (A)
X935F 11 11 X935M
X935F 22 22 X935M
TWIST_SRS50-A
+SRS50-A YE 0.35 FLRY
LHD && −ECALL 1047.0196 1067955-XX-G (B)
+SRS51-A VT 0.35 FLRY
LHD && −ECALL 1047.0196 1067955-XX-G (B)
X201

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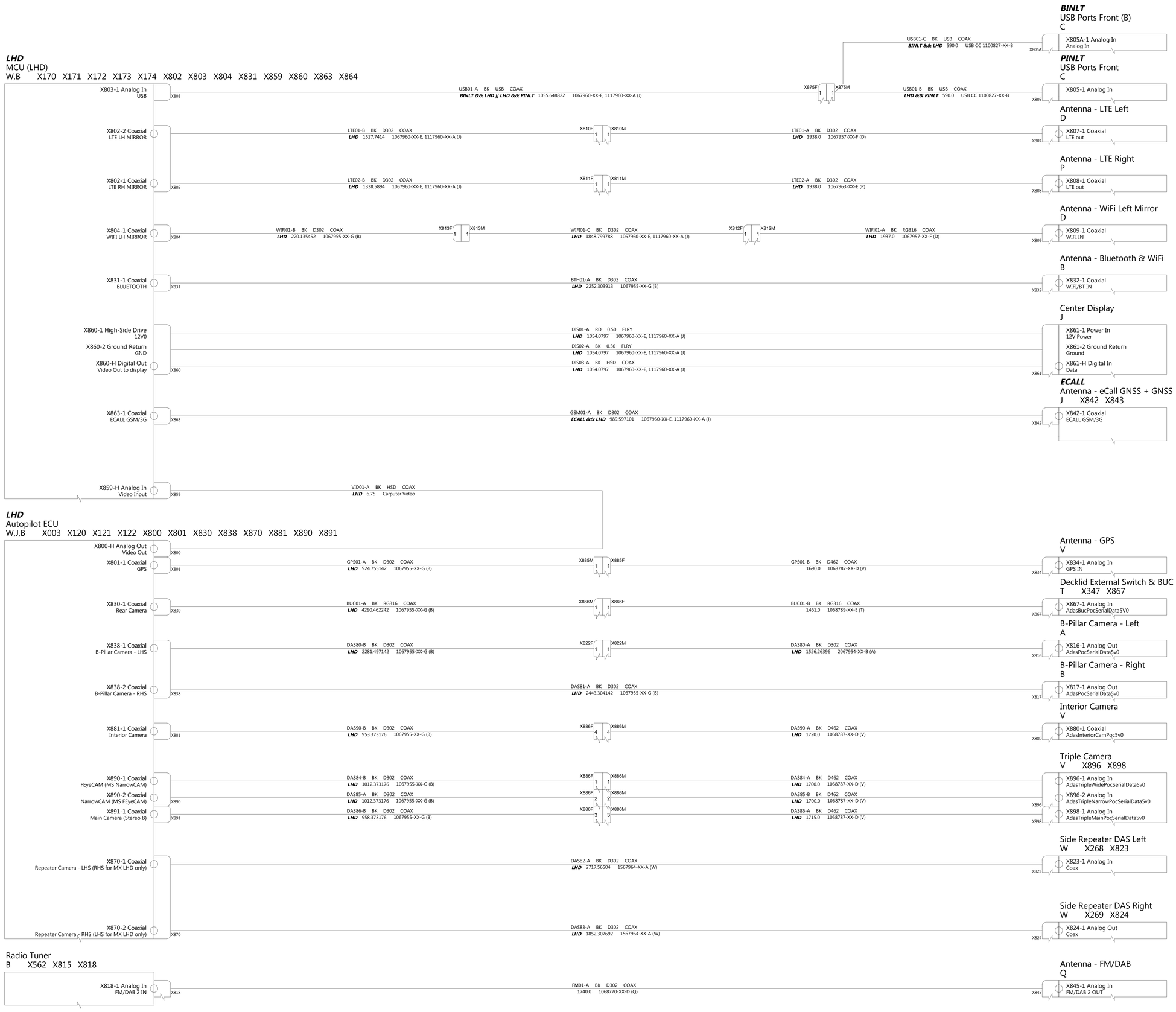
DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Restraints Airbags

PART NUMBER	REV	SHEET	SIZE
	2	38 OF 45	A0

Updated



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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
	2	39 OF 45	A0

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RHD
MCU (RHD)
W, B X170A X171A X172A X173A X174A X802A X803A X804A X831A X859A X860A X863A X864A

X803A-1 Analog In
USB
X803A

USB01_R-A BK USB COAX
BINLT && RHD || RHD && PINLT 526.665999 1067960-XX-E, 1117960-XX-A (J)

X875F 1 — 1 X875M

USB01_R-C BK USB COAX
BINLT && RHD 590.0 USB CC 1100827-XX-B

X805A
X805A-1 Analog In
Analog In

BINLT
USB Ports Front (B)
C

X802A-2 Coaxial
LTE LH MIRROR

LTE01_R-B BK D302 COAX
RHD 1075.19826 1067960-XX-E, 1117960-XX-A (J)

X810F 1 — 1 X810M

LTE01_R-A BK D302 COAX
RHD 1938.0 1067957-XX-F (D)

X807
X807-1 Coaxial
LTE out

Antenna - LTE Left
D

X802A-1 Coaxial
LTE RH MIRROR
X802A

LTE02_R-B BK D302 COAX
RHD 886.04626 1067960-XX-E, 1117960-XX-A (J)

X811F 1 — 1 X811M

LTE02_R-A BK D302 COAX
RHD 1938.0 1067963-XX-E (P)

X808
X808-1 Coaxial
LTE out

Antenna - LTE Right
P

X804A-1 Coaxial
WIFI LH MIRROR
X804A

WIFI01_R-B BK D302 COAX
RHD 998.664301 2067954-XX-B (A)

X812F 1 — 1 X812M

WIFI01_R-A BK RG316 COAX
RHD 1937.0 1067957-XX-F (D)

X809
X809-1 Coaxial
WIFI IN

Antenna - WiFi Left Mirror
D

X831A-1 Coaxial
BLUETOOTH
X831A

BTH01_R-A BK D302 COAX
RHD 2164.189365 1067955-XX-G (B)

X832
X832-1 Coaxial
WIFI/BT IN

Antenna - Bluetooth & WiFi
B

X860A-1 High-Side Drive
12V0

X860A-2 Ground Return
GND

X860A-H Digital Out
Video Out to display
X860A

DIS01_R-A RD 0.50 FLRY
RHD 534.640477 1067960-XX-E, 1117960-XX-A (J)

DIS02_R-A BK 0.50 FLRY
RHD 534.640477 1067960-XX-E, 1117960-XX-A (J)

DIS03_R-A BK HSD COAX
RHD 534.640477 1067960-XX-E, 1117960-XX-A (J)

X861
X861-1 Power In
12V Power

X861-2 Ground Return
Ground

X861-H Digital In
Data

Center Display
J

ECALL
Antenna - eCall GNSS + GNSS
J X842 X843

X863A-1 Coaxial
ECALL GSM/3G
X863A

GSM01_R-A BK D302 COAX
ECALL && RHD 560.162287 1067960-XX-E, 1117960-XX-A (J)

X842
X842-1 Coaxial
ECALL GSM/3G

X859A-H Analog In
Video Input
X859A

VID01_R-A BK HSD COAX
RHD 5.5 Carputer Video RHD

RHD
Autopilot ECU (RHD)
W,J,B,A X003A X120A X121A X122A X800A X801A X830A X838A X870A X881A X890A X981A

X800A-H Analog Out
Video Out
X800A

X801A-1 Coaxial
GPS
X801A

GPS01_R-A BK D302 COAX
RHD 771.236422 1067955-XX-G (B)

X885M 1 — 1 X885F

GPS01-B BK D462 COAX
1690.0 1068787-XX-D (V)

X834
X834-1 Analog In
GPS IN

Antenna - GPS
V

X830A-1 Coaxial
Rear Camera
X830A

BUC01_R-A BK RG316 COAX
RHD 4133.943522 1067955-XX-G (B)

X866M 1 — 1 X866F

BUC01-B BK RG316 COAX
1461.0 1068789-XX-E (T)

X867
X867-1 Analog In
AdasBucPocSerialData5V0

Decklid External Switch & BUC
T X347 X867

X838A-1 Coaxial
B-Pillar Camera - LHS

DAS80_R-A BK D302 COAX
RHD 2370.42008 2067954-XX-B (A)

X816
X816-1 Analog Out
AdasPocSerialData5v0

B-Pillar Camera - Left
A

X838A-2 Coaxial
B-Pillar Camera - RHS
X838A

DAS81_R-B BK D302 COAX
RHD 2732.28172 2067954-XX-B (A)

X822M 1 — 1 X822F

DAS81_R-A BK D302 COAX
RHD 1105.737 1067955-XX-G (B)

X817
X817-1 Analog Out
AdasPocSerialData5v0

B-Pillar Camera - Right
B

X881A-1 Coaxial
Interior Camera
X881A

DAS90_R-B BK D302 COAX
RHD 771.505844 1067955-XX-G (B)

X886F 4 — 4 X886M

DAS90_R-A BK D302 COAX
RHD 1720.0 1068787-XX-D (V)

X880
X880-1 Coaxial
AdasInteriorCamPoc5v0

Interior Camera
V

X890A-1 Coaxial
FEyeCAM (MS NarrowCAM)

X890A-2 Coaxial
NarrowCAM (MS FEyeCAM)

X891A-1 Coaxial
Main Camera (Stereo B)
X890A
X891A

DAS84_R-B BK D302 COAX
RHD 771.505844 1067955-XX-G (B)

X886F 1 — 1 X886M

DAS84_R-A BK D302 COAX
RHD 1700.0 1068787-XX-D (V)

DAS85_R-A BK D302 COAX
RHD 771.505844 1067955-XX-G (B)

X886F 2 — 2 X886M

DAS85_R-B BK D302 COAX
RHD 1700.0 1068787-XX-D (V)

DAS86_R-B BK D302 COAX
RHD 771.354456 1067955-XX-G (B)

X886F 3 — 3 X886M

DAS86_R-A BK D302 COAX
RHD 1715.0 1068787-XX-D (V)

X896
X896-1 Analog In
AdasTripleWidePocSerialData5v0

X896-2 Analog In
AdasTripleNarrowPocSerialData5v0

X898
X898-1 Analog In
AdasTripleMainPocSerialData5v0

Triple Camera
V X896 X898

X870A-1 Coaxial
Repeater Camera - LHS (RHS for MX LHD only)

DAS82_R-A BK D302 COAX
RHD 1536.189958 1567964-XX-A (W)

X823
X823-1 Analog In
Coax

Side Repeater DAS Left
W X268 X823

X870A-2 Coaxial
Repeater Camera - RHS (LHS for MX LHD only)
X870A

DAS83_R-A BK D302 COAX
RHD 2774.932612 1567964-XX-A (W)

X824
X824-1 Analog Out
Coax

Side Repeater DAS Right
W X269 X824

Radio Tuner
B X815 X818

X818-1 Analog In
FM/DAB 2 IN
X818

FM01-A BK D302 COAX
1740.0 1068770-XX-D (Q)

X845
X845-1 Analog In
FM/DAB 2 OUT

Antenna - FM/DAB
Q

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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
	2	40 OF 45	A0

Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X032-49 High-Side Drive
Lumbar ECU

X032-18 LIN
Lumbar ECU LIN

SCL01-A RD 0.35 FLRY
LHST && PREMST 2460.0 1076116-XX-F (Y)

SCL02-A BN 0.35 FLRY
LHST && PREMST 2460.0 1076116-XX-F (Y)

X619

PREMST
Lumbar
Y

X619-1 Power In
+12V Power

X619-3 Pass-through
Power to Pump

X619-6 LIN
LIN

X619-4 Pass-through
Pump Ground

X619-2 Ground Return
Module Ground

X619

SCL03-A OG 0.35 FLRY
LHST && PREMST 295.0 1076116-XX-F (Y)

SCL04-A BU 0.35 FLRY
LHST && PREMST 295.0 1076116-XX-F (Y)

SCL80-I BK 0.35 FLRY
LHST && PREMST 850.0 1076116-XX-F (Y)

X620

PREMST
Lumbar
Y

X620-1 Power In
Power to Pump

X620-3 Ground Return
Ground

X032-9 Half-Bridge
Seat Front Backrest Up

X032-10 Half-Bridge
Seat Front Backrest Down

X032-4 Hall Sensor In
Seat Front Backrest Hall

TWIST_SCL09-A

SCL09-A YE 0.75 FLRY
LHST 2525.0 1076116-XX-F (Y)

SCL10-A BK 0.75 FLRY
LHST 2525.0 1076116-XX-F (Y)

SCL11-A OG 0.35 FLRY
LHST 2525.0 1076116-XX-F (Y)

TWIST_SCL09-A

Seat Backrest Pitch Front
Y

X613

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

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

X613-2 PWM Out
Hall Effect

X613-4 Ground Return
Hall Effect

X613

SCL80-H BK 0.35 FLRY
LHST 915.0 1076116-XX-F (Y)

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

X032-26 Ground Return
Heat Pad Backrest Ground Return

SCL13-A RD 0.50 FLRY
LHST 1740.0 1076116-XX-F (Y)

SCL14-A BU 0.50 FLRY
LHST 1740.0 1076116-XX-F (Y)

Heat Pad Backrest Front
Y

X616

X616-2 Power In
Heat +12V

X616-1 Ground Return
Heat GND

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

X032-48 Ground Return
Heat Pad Cushion Ground Return

X032-22 Analog In
Seat Front Thermistor Cushion

SCL15-A YE 0.50 FLRY
LHST 1760.0 1076116-XX-F (Y)

SCL16-A GN 0.50 FLRY
LHST 1760.0 1076116-XX-F (Y)

SCL17-A GY 0.35 FLRY
LHST 1760.0 1076116-XX-F (Y)

Heat Pad Cushion Front
Y

X617

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 150.0 1076116-XX-F (Y)

X032-34 Half-Bridge
Seat Front Lift Down

X032-33 Half-Bridge
Seat Front Lift Up

X032-3 Hall Sensor In
Seat Front Lift Hall

TWIST_SCL18-A

SCL18-A GN 0.75 FLRY
LHST 1785.0 1076116-XX-F (Y)

SCL19-A WH 0.75 FLRY
LHST 1785.0 1076116-XX-F (Y)

SCL20-A VT 0.35 FLRY
LHST 1785.0 1076116-XX-F (Y)

TWIST_SCL18-A

Lift Motor
Y

X618

X618-3 Half-Bridge
Down

X618-1 Half-Bridge
Up

X618-2 Hall Sensor Out
Hall effect signal

X618-4 Ground Return
Hall effect ground

X618

SCL80-F BK 0.35 FLRY
LHST 175.0 1076116-XX-F (Y)

X032-6 Ground Return
Seat Front Shared Ground Return

SCL80-J BK 0.35 FLRY
LHST 1610.0 1076116-XX-F (Y)

Z1-SCL80

X032-12 Half-Bridge
Seat Front Track Forward

X032-13 Half-Bridge
Seat Front Track Reverse

X032-5 Hall Sensor In
Seat Front Track Hall

TWIST_SCL23-A

SCL23-A BU 1.00 FLRY
LHST && PREMST 1930.0 1076116-XX-F (Y)

SCL24-A GY 1.00 FLRY
LHST && PREMST 1930.0 1076116-XX-F (Y)

SCL25-A WH 0.13 MCIV
LHST && PREMST 1930.0 1076116-XX-F (Y)

TWIST_SCL23-A

PREMST
Track Motor
Y

X614

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-C BK 0.35 FLRY
LHST && PREMST 320.0 1076116-XX-F (Y)

X032-42 Analog In
Seat Front Lumbar Switch

X032-44 Analog In
Seat Front Track Backrest Switch

X032-43 Analog In
Seat Front Lift Switch

SCL26-A RD 0.13 MCIV
LHST && PREMST 2215.0 1076116-XX-F (Y)

SCL27-A YE 0.35 FLRY
LHST && PREMST 2215.0 1076116-XX-F (Y)

SCL28-A VT 0.13 MCIV
LHST && PREMST 2215.0 1076116-XX-F (Y)

LHST && PREMST
Seat Switchpack Front Left
YL

X631

X631-3 Analog Out
Lumbar

X631-2 Analog Out
Track/Backrest

X631-4 Ground Return
Ground

X631-1 Analog Out
Lift/Tilt

X631

SCL80-G BK 0.35 FLRY
LHST && PREMST 605.0 1076116-XX-F (Y)

X032-41 Analog In
Seat Driver Occupancy Sensor

SCL29-A OG 0.35 FLRY
DRIVR && LHST 1725.0 1076116-XX-F (Y)

DRIVR
Occupancy Sensor Front
Y

X622

X622-1 Analog Out
Signal

X622-2 Ground Return
Return

X622

SCL80-B BK 0.35 FLRY
DRIVR && LHST 115.0 1076116-XX-F (Y)

X032-27 Analog In
Seat Front Buckle Sensor

SCL32-A YE 0.35 FLRY
LHST 2152.0 1076116-XX-F (Y)

LHST
Seatbelt Buckle Switch Front Left
Y

X610

X610-1 Power In
Power In

X610-2 Ground Return
Ground Return

X610

SCL80-D BK 0.35 FLRY
LHST 542.0 1076116-XX-F (Y)

X032-36 Half-Bridge
Seat Front Tilt Down

X032-37 Half-Bridge
Seat Front Tilt Up

X032-47 Hall Sensor In
Seat Front Tilt Hall

TWIST_SCL40-A

SCL40-A YE 0.75 FLRY
LHST && PREMST 1835.0 1076116-XX-F (Y)

SCL41-A VT 0.75 FLRY
LHST && PREMST 1835.0 1076116-XX-F (Y)

SCL42-A OG 0.35 FLRY
LHST && PREMST 1835.0 1076116-XX-F (Y)

TWIST_SCL40-A

PREMST
Tilt Motor
Y

X621

X621-1 Half-Bridge
Down

X621-3 Half-Bridge
Up

X621-4 Hall Sensor Out
Hall effect signal

X621-2 Ground
Hall effect ground

X621

SCL80-E BK 0.35 FLRY
LHST && PREMST 225.0 1076116-XX-F (Y)

X032-19 High-Side Drive
Occupant Classification ECU

X032-39 Pass-through
Chassis CAN Passthrough P

X032-38 Pass-through
Chassis CAN Passthrough N

X032-17 Ground Return
Occupant Classification ECU Ground Return

X032

TWIST_CCH01_FLS-A

SCL30-A BU 0.13 MCIV
LHST && PASSN 1715.0 1076116-XX-F (Y)

+CCH01_FLS-A GN 0.13 MCIV
LHST && PASSN 1715.0 1076116-XX-F (Y)

+CCH02_FLS-A YE 0.13 MCIV
LHST && PASSN 1715.0 1076116-XX-F (Y)

SCL31-A YE 0.13 MCIV
LHST && PASSN 1715.0 1076116-XX-F (Y)

TWIST_CCH01_FLS-A

PASSN
OCS
Y X241 X652

X652

X652-4 Power In
Power

X652-2 CAN
CAN-H

X652-1 CAN
CAN-L

X652-3 Ground
Ground

OCS Sandwich

Upper Electrode-1

Lower Electrode-2

Upper Electrode
80.0

Lower Electrode
80.0

X241

X241-1 Analog In
Upper Electrode

X241-2 Analog In
Lower Electrode

OCS Self-Capacitance

Cushion-1

Seatback-2

Cushion
245.0

Seatback
245.0

X242

X242-1 Analog In
Cushion Self Sensor

X242-2 Analog In
Seatback Self Sensor

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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
	2	41 OF 45	A0

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Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

X052-34 High-Side Drive
Lumbar ECU

X052-21 LIN
Lumbar ECU LIN

SCR01-A RD 0.35 FLRY
PREMST && RHST 2460.0 1076116-XX-F (Y)

SCR02-A BN 0.35 FLRY
PREMST && RHST 2460.0 1076116-XX-F (Y)

PREMST
Lumbar
Y

X619

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

SCR03-A OG 0.35 FLRY
PREMST && RHST 295.0 1076116-XX-F (Y)

SCR04-A BU 0.35 FLRY
PREMST && RHST 295.0 1076116-XX-F (Y)

PREMST
Lumbar
Y

X620

X620-1 Power In
Power to Pump

X620-3 Ground Return
Ground

SCR80-I BK 0.35 FLRY
PREMST && RHST 850.0 1076116-XX-F (Y)

X052-30 Half-Bridge
Seat Front Backrest Up

X052-29 Half-Bridge
Seat Front Backrest Down

X052-5 Hall Sensor In
Seat Front Backrest Hall

TWIST_SCR09-A

SCR09-A YE 0.75 FLRY
RHST 2525.0 1076116-XX-F (Y)

SCR10-A BK 0.75 FLRY
RHST 2525.0 1076116-XX-F (Y)

SCR11-A OG 0.35 FLRY
RHST 2525.0 1076116-XX-F (Y)

TWIST_SCR09-A

Seat Backrest Pitch Front
Y

X613

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

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

X613-2 PWM Out
Hall Effect

X613-4 Ground Return
Hall Effect

X613

SCR80-H BK 0.35 FLRY
RHST 915.0 1076116-XX-F (Y)

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

X052-13 Ground Return
Heat Pad Backrest Ground Return

SCR13-A RD 0.50 FLRY
RHST 1740.0 1076116-XX-F (Y)

SCR14-A BU 0.50 FLRY
RHST 1740.0 1076116-XX-F (Y)

Heat Pad Backrest Front
Y

X616

X616-2 Power In
Heat +12V

X616-1 Ground Return
Heat GND

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

X052-35 Ground Return
Heat Pad Cushion Ground Return

X052-17 Analog In
Seat Front Thermistor Cushion

SCR15-A YE 0.50 FLRY
RHST 1760.0 1076116-XX-F (Y)

SCR16-A GN 0.50 FLRY
RHST 1760.0 1076116-XX-F (Y)

SCR17-A GY 0.35 FLRY
RHST 1760.0 1076116-XX-F (Y)

Heat Pad Cushion Front
Y

X617

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 150.0 1076116-XX-F (Y)

X052-49 Half-Bridge
Seat Front Lift Down

X052-50 Half-Bridge
Seat Front Lift Up

X052-6 Hall Sensor In
Seat Front Lift Hall

TWIST_SCR18-A

SCR18-A GN 0.75 FLRY
RHST 1785.0 1076116-XX-F (Y)

SCR19-A WH 0.75 FLRY
RHST 1785.0 1076116-XX-F (Y)

SCR20-A VT 0.35 FLRY
RHST 1785.0 1076116-XX-F (Y)

TWIST_SCR18-A

Lift Motor
Y

X618

X618-3 Half-Bridge
Down

X618-1 Half-Bridge
Up

X618-2 Hall Sensor Out
Hall effect signal

X618-4 Ground Return
Hall effect ground

X618

SCR80-F BK 0.35 FLRY
RHST 175.0 1076116-XX-F (Y)

X052-3 Ground Return
Seat Front Shared Ground Return

SCR80-C BK 0.35 FLRY
RHST 1610.0 1076116-XX-F (Y)

Z1-SCR80

Seat Track Position Sensor
Y

X052-32 Pass-through
Seat Track Position Sensor Passthrough

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

TWIST_SRI07_A-A

+SRI07_A-A BN 0.35 FLRY
RHST 1865.0 1076116-XX-F (Y)

+SRI08_A-A WH 0.35 FLRY
RHST 1865.0 1076116-XX-F (Y)

TWIST_SRI07_A-A

X624

X624-2 Analog Out
Signal

X624-1 Ground Return
Return

PREMST
Track Motor
Y

X052-27 Half-Bridge
Seat Front Track Forward

X052-26 Half-Bridge
Seat Front Track Reverse

X052-4 Hall Sensor In
Seat Front Track Hall

TWIST_SCR23-A

SCR23-A BU 1.00 FLRY
PREMST && RHST 1930.0 1076116-XX-F (Y)

SCR24-A GY 1.00 FLRY
PREMST && RHST 1930.0 1076116-XX-F (Y)

SCR25-A WH 0.13 MCIV

TWIST_SCR23-A

X614

X614-1 Power In
Fore

X614-5 Power In
Aft

X614-4 Hall Sensor Out
Hall effect signal

X614-2 Ground Return
Hall effect ground

X614

SCR80-B BK 0.35 FLRY
PREMST && RHST 320.0 1076116-XX-F (Y)

RHST && PREMST
Seat Switchpack Front Right
YR

X052-41 Analog In
Seat Front Lumbar Switch

X052-39 Analog In
Seat Front Track Backrest Switch

X052-40 Analog In
Seat Front Lift Switch

SCR26-A RD 0.13 MCIV
PREMST && RHST 2215.0 1076116-XX-F (Y)

SCR27-A YE 0.35 FLRY
PREMST && RHST 2215.0 1076116-XX-F (Y)

SCR28-A VT 0.13 MCIV
PREMST && RHST 2215.0 1076116-XX-F (Y)

X661

X661-3 Analog Out
Lumbar

X661-2 Analog Out
Track/Backrest

X661-1 Analog Out
Lift/Tilt

X661-4 Ground Return
Ground

X661

SCR80-G BK 0.35 FLRY
PREMST && RHST 605.0 1076116-XX-F (Y)

DRIVR
Occupancy Sensor Front
Y

X052-42 Analog In
Seat Driver Occupancy Sensor

SCR29-A OG 0.35 FLRY
DRIVR && RHST 1725.0 1076116-XX-F (Y)

X622

X622-1 Analog Out
Signal

X622-2 Ground Return
Return

X622

SCR80-J BK 0.35 FLRY
DRIVR && RHST 115.0 1076116-XX-F (Y)

RHST
Seatbelt Buckle Switch Front Right
YR

X052-12 Analog In
Seat Front Buckle Sensor

SCR32-A YE 0.35 FLRY
RHST 2152.0 1076116-XX-F (Y)

X640

X640-1 Power In
Power In

X640-2 Ground Return
Ground Return

X640

SCR80-E BK 0.35 FLRY
RHST 542.0 1076116-XX-F (Y)

PREMST
Tilt Motor
Y

X052-47 Half-Bridge
Seat Front Tilt Down

X052-46 Half-Bridge
Seat Front Tilt Up

X052-36 Hall Sensor In
Seat Front Tilt Hall

TWIST_SCR40-A

SCR40-A YE 0.75 FLRY
PREMST && RHST 1835.0 1076116-XX-F (Y)

SCR41-A VT 0.75 FLRY
PREMST && RHST 1835.0 1076116-XX-F (Y)

SCR42-A OG 0.35 FLRY
PREMST && RHST 1835.0 1076116-XX-F (Y)

TWIST_SCR40-A

X621

X621-1 Half-Bridge
Down

X621-3 Half-Bridge
Up

X621-4 Hall Sensor Out
Hall effect signal

X621-2 Ground
Hall effect ground

X621

SCR80-D BK 0.35 FLRY
PREMST && RHST 225.0 1076116-XX-F (Y)

PASSN
OCS
Y X241 X652

X052-20 High-Side Drive
Occupant Classification ECU

X052-44 CAN-P
Chassis CAN P

X052-45 CAN-N
Chassis CAN N

X052-22 Ground Return
Occupanct Classification ECU Ground Return

X052

TWIST_CCH05_FRS-A

SCR30-A BU 0.13 MCIV
PASSN && RHST 1715.0 1076116-XX-F (Y)

+CCH05_FRS-A GN 0.13 MCIV
PASSN && RHST 1715.0 1076116-XX-F (Y)

+CCH06_FRS-A YE 0.13 MCIV
PASSN && RHST 1715.0 1076116-XX-F (Y)

SCR31-A YE 0.13 MCIV
PASSN && RHST 1715.0 1076116-XX-F (Y)

TWIST_CCH05_FRS-A

X652

X652-4 Power In
Power

X652-2 CAN
CAN-H

X652-1 CAN
CAN-L

X652-3 Ground
Ground

OCS Sandwich

Upper Electrode-1
Lower Electrode-2

Upper Electrode
80.0

Lower Electrode
80.0

X241

X241-1 Analog In
Upper Electrode

X241-2 Analog In
Lower Electrode

OCS Self-Capactiance

Cushion-1
Seatback-2

Cushion
245.0

Seatback
245.0

X242

X242-1 Analog In
Cushion Self Sensor

X242-2 Analog In
Seatback Self Sensor

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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
	2	42 OF 45	A0

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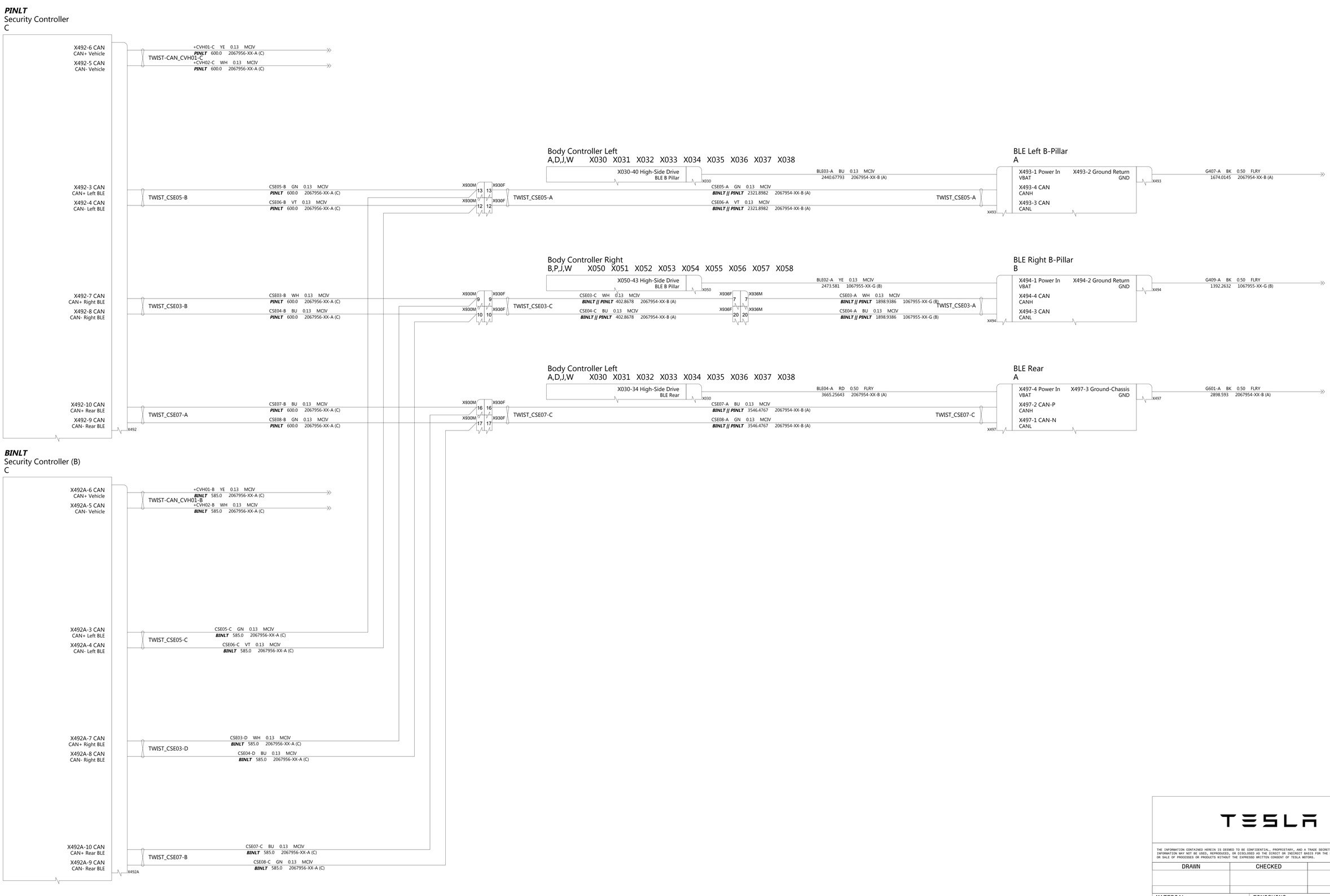

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Security Controls

PART NUMBER	REV	SHEET	SIZE
	2	43 OF 45	A0

Body Controller Front
W,U X010 X011 X012 X013 X014 X015 X016 X017 X018 X019 X020 X021 X022

X020-1 High-Side Drive
EPAS 2

X019-1 High-Side Drive
EPAS 1

X010-11 High-Side Drive
EPAS 1 Wake

X013-33 High-Side Drive
EPAS 2 Wake

PWR01-A RD 13 XR15
LHD 1195.000001 1567964-XX-A (W)

PWR02-A WH 13 XR15
LHD 1183.000001 1567964-XX-A (W)

EPS01-A GN 0.35 FLRY
LHD 1611.000001 1567964-XX-A (W)

EPS02-A BN 0.35 FLRY
LHD 1619.000001 1567964-XX-A (W)

PWR01_R-A RD 13 XR15
RHD 1364.000001 1567964-XX-A (W)

PWR02_R-A WH 13 XR15
RHD 1298.000001 1567964-XX-A (W)

EPS01_R-A GN 0.35 FLRY
RHD 1748.000001 1567964-XX-A (W)

EPS02_R-A BN 0.35 FLRY
RHD 1750.000001 1567964-XX-A (W)

LHD
EPAS (LHD)
W X190 X191 X192 X193

X190-1 Power - Always On
BATT1

X191-1 Power - Always On
BATT2

X192-1 Power In
WAU1

X193-1 Power In
WAU2

X190-2 Ground-Chassis
GND1

X191-2 Ground-Chassis
GND2

G011-A BK 13 XR15
LHD 651.0 1567964-XX-A (W)

G013-A BK 13 XR15
LHD 575.0 1567964-XX-A (W)

RHD
EPAS (RHD)
W X190A X191A X192A X193A

X190A-1 Power - Always On
BATT1

X191A-1 Power - Always On
BATT2

X192A-1 Power In
WAU1

X193A-1 Power In
WAU2

X190A-2 Ground-Chassis
GND1

X191A-2 Ground-Chassis
GND2

G011_R-A BK 13 XR15
RHD 820.0 1567964-XX-A (W)

G013_R-A BK 13 XR15
RHD 690.0 1567964-XX-A (W)

Body Controller Left
A,D,J,W X030 X031 X032 X033 X034 X035 X036 X037 X038

X035-10 Half-Bridge
Steering Column Motor In

X035-9 Half-Bridge
Steering Column Motor Out

X035-3 Hall Sensor In
Steering Column In Out Hall

X035-14 Ground Return
Steering Column Tele Hall Ground Return

X035-8 Half-Bridge
Steering Column Motor Down

X035-7 Half-Bridge
Steering Column Motor Up

X035-2 Hall Sensor In
Steering Column Up Down Hall

X035-13 Ground Return
Steering Column Tilt Hall Ground Return

X035-23 High-Side Drive
Steering Wheel Controls ECU

X035-1 High-Side Drive
Steering Angle and Stalk ECU

X035-6 LIN
Steering Wheel Controls ECU LIN

TWIST_SCA07-A

TWIST_SCA01-A

SCA07-A GN 0.50 FLRY
PCOLM 706.215 1067960-XX-E, 1117960-XX-A (J)

SCA08-A BU 0.50 FLRY
PCOLM 706.215 1067960-XX-E, 1117960-XX-A (J)

SCA10-A YE 0.13 MCIV
PCOLM 706.215 1067960-XX-E, 1117960-XX-A (J)

SCA04-A GY 0.35 FLRY
PCOLM 706.215 1067960-XX-E, 1117960-XX-A (J)

SCA01-A OG 0.50 FLRY
PCOLM 706.215 1067960-XX-E, 1117960-XX-A (J)

SCA02-A WH 0.50 FLRY
PCOLM 706.215 1067960-XX-E, 1117960-XX-A (J)

SCA03-A VT 0.13 MCIV
PCOLM 706.215 1067960-XX-E, 1117960-XX-A (J)

SCA05-A GY 0.35 FLRY
PCOLM 706.215 1067960-XX-E, 1117960-XX-A (J)

SCA11-A VT 0.75 FLRY
793.187 1067960-XX-E, 1117960-XX-A (J)

SCA13-A GY 0.35 FLRY
793.187 1067960-XX-E, 1117960-XX-A (J)

SCA12-A GN 0.35 FLRY
793.187 1067960-XX-E, 1117960-XX-A (J)

TWIST_SCA07-A

TWIST_SCA01-A

PCOLM
Steering Column Adjust (LHD)
J

X182-2 Half-Bridge
Tele IN

X182-1 Half-Bridge
Tele OUT

X182-7 Hall Sensor In
Tele Hall Sensor +

X182-8 Ground-Chassis
Tele Hall Sensor -

X182-5 Half-Bridge
Tilt DOWN

X182-6 Half-Bridge
Tilt UP

X182-11 Hall Sensor In
Tilt Hall Sensor +

X182-12 Ground-Chassis
Tilt Hall Sensor -

Steering Angle and Stalk ECU
J X180 X183 X184

X180-7 Power In
Power (Steering Wheel)

X180-1 Power In
Power

X180-14 LIN
LIN

X180-6 Ground-Chassis
GND (Steering Wheel)

X180-4 Ground-Chassis
GND

IPG01-C BK 0.75 FLRY
292.464 1067960-XX-E, 1117960-XX-A (J)

IPG01-B BK 0.75 FLRY
292.464 1067960-XX-E, 1117960-XX-A (J)

Z1-IPG01

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Steering

PART NUMBER	REV	SHEET	SIZE
	2	44 OF 45	A0

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Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

X057-15 LIN
Ultrasonic Sensor 1 LIN

X057-16 LIN
Ultrasonic Sensor 2 LIN

X057-17 LIN
Ultrasonic Sensor 3 LIN

X057-21 High-Side Drive
Ultrasonic Sensors Front

X057-22 Ground Return
Ultrasonic Sensors Front Ground Return

X057-18 LIN
Ultrasonic Sensor 4 LIN

X057-19 LIN
Ultrasonic Sensor 5 LIN

X057-20 LIN
Ultrasonic Sensor 6 LIN

X057

PKA11-B BN 0.13 MCIV
2080.183116 1567964-XX-A (W)

PKA12-B BU 0.13 MCIV
2080.183116 1567964-XX-A (W)

PKA13-B GN 0.13 MCIV
2080.183116 1567964-XX-A (W)

PKA01-G RD 0.35 FLRY
2080.183116 1567964-XX-A (W)

PKA02-G YE 0.35 FLRY
2080.183116 1567964-XX-A (W)

PKA14-B WH 0.13 MCIV
2080.183116 1567964-XX-A (W)

PKA15-B GY 0.13 MCIV
2080.183116 1567964-XX-A (W)

PKA16-B VT 0.13 MCIV
2080.183116 1567964-XX-A (W)

X901M 2 — 2 X901F
X901M 3 — 3 X901F
X901M 4 — 4 X901F
X901M 10 — 10 X901F
X901M 15 — 15 X901F
X901M 5 — 5 X901F
X901M 6 — 6 X901F
X901M 7 — 7 X901F

PKA11-A BN 0.35 FLRY
2246.0 1067958-XX-E (F)

PKA12-A BU 0.35 FLRY
1941.0 1067958-XX-E (F)

PKA13-A GN 0.35 FLRY
1636.0 1067958-XX-E (F)

PKA01-H RD 0.35 FLRY
633.0 1067958-XX-E (F)

PKA02-H YE 0.35 FLRY
633.0 1067958-XX-E (F)

PKA14-A WH 0.35 FLRY
830.0 1067958-XX-E (F)

PKA15-A GY 0.35 FLRY
510.0 1067958-XX-E (F)

PKA16-A VT 0.35 FLRY
320.0 1067958-XX-E (F)

Z53-PKA02

Z50-PKA01

PKA01-F RD 0.35 FLRY
1613.0 1067958-XX-E (F)

PKA02-F YE 0.35 FLRY
1613.0 1067958-XX-E (F)

PKA01-D RD 0.35 FLRY
1308.0 1067958-XX-E (F)

PKA02-D YE 0.35 FLRY
1308.0 1067958-XX-E (F)

PKA01-C RD 0.35 FLRY
1003.0 1067958-XX-E (F)

PKA02-C YE 0.35 FLRY
1003.0 1067958-XX-E (F)

PKA01-A RD 0.35 FLRY
197.0 1067958-XX-E (F)

PKA02-A YE 0.35 FLRY
197.0 1067958-XX-E (F)

PKA01-B RD 0.35 FLRY
313.0 1067958-XX-E (F)

PKA02-B YE 0.35 FLRY
313.0 1067958-XX-E (F)

PKA01-E RD 0.35 FLRY
613.0 1067958-XX-E (F)

PKA02-E YE 0.35 FLRY
613.0 1067958-XX-E (F)

Ultrasonic Sensor LSF
F
X130 — X130-1 Power In: Power In; X130-2 LIN: LIN; X130-3 Ground Return: Ground Return

Ultrasonic Sensor LOF
F
X131 — X131-1 Power In: Power In; X131-2 LIN: LIN; X131-3 Ground Return: Ground Return

Ultrasonic Sensor LIF
F
X132 — X132-1 Power In: Power In; X132-2 LIN: LIN; X132-3 Ground Return: Ground Return

Ultrasonic Sensor RIF
F
X133 — X133-1 Power In: Power In; X133-2 LIN: LIN; X133-3 Ground Return: Ground Return

Ultrasonic Sensor ROF
F
X134 — X134-1 Power In: Power In; X134-2 LIN: LIN; X134-3 Ground Return: Ground Return

Ultrasonic Sensor RSF
F
X135 — X135-1 Power In: Power In; X135-2 LIN: LIN; X135-3 Ground Return: Ground Return

Body Controller Right
B,P,J,W X050 X051 X052 X053 X054 X055 X056 X057 X058

X051-12 LIN
Ultrasonic Sensor 7 LIN

X051-28 LIN
Ultrasonic Sensor 8 LIN

X051-29 LIN
Ultrasonic Sensor 9 LIN

X051-33 High-Side Drive
Ultrasonic Sensors Rear

X051-27 Ground Return
Ultrasonic Sensors Rear Ground Return

X051-30 LIN
Ultrasonic Sensor 10 LIN

X051-31 LIN
Ultrasonic Sensor 11 LIN

X051-32 LIN
Ultrasonic Sensor 12 LIN

X051

PKA31-B YE 0.13 MCIV
4150.3592 1067955-XX-G (B)

PKA32-B BU 0.13 MCIV
4150.3592 1067955-XX-G (B)

PKA33-B GN 0.13 MCIV
4150.3592 1067955-XX-G (B)

PKA21-G RD 0.35 FLRY
4150.3592 1067955-XX-G (B)

PKA22-G BK 0.35 FLRY
4150.3592 1067955-XX-G (B)

PKA34-B WH 0.13 MCIV
4150.3592 1067955-XX-G (B)

PKA35-B GY 0.13 MCIV
4150.3592 1067955-XX-G (B)

PKA36-B VT 0.13 MCIV
4150.3592 1067955-XX-G (B)

X949M 3 — 3 X949F
X949M 6 — 6 X949F
X949M 4 — 4 X949F
X949M 1 — 1 X949F
X949M 8 — 8 X949F
X949M 2 — 2 X949F
X949M 7 — 7 X949F
X949M 5 — 5 X949F

PKA31-A YE 0.35 FLRY
1056.0 1067959-XX-D (G)

PKA32-A BU 0.35 FLRY
555.0 1067959-XX-D (G)

PKA33-A GN 0.35 FLRY
395.0 1067959-XX-D (G)

PKA21-H RD 0.35 FLRY
307.67 1067959-XX-D (G)

PKA22-H BK 0.35 FLRY
307.67 1067959-XX-D (G)

PKA34-A WH 0.35 FLRY
763.0 1067959-XX-D (G)

PKA35-A GY 0.35 FLRY
1152.0 1067959-XX-D (G)

PKA36-A VT 0.35 FLRY
1652.0 1067959-XX-D (G)

Z54-PKA22

Z48-PKA21

PKA21-E RD 0.35 FLRY
983.67 1067959-XX-D (G)

PKA22-E BK 0.35 FLRY
983.67 1067959-XX-D (G)

PKA21-C RD 0.35 FLRY
482.67 1067959-XX-D (G)

PKA22-C BK 0.35 FLRY
482.67 1067959-XX-D (G)

PKA21-A RD 0.35 FLRY
92.67 1067959-XX-D (G)

PKA22-A BK 0.35 FLRY
92.67 1067959-XX-D (G)

PKA21-B RD 0.35 FLRY
455.33 1067959-XX-D (G)

PKA22-B BK 0.35 FLRY
455.33 1067959-XX-D (G)

PKA21-D RD 0.35 FLRY
844.33 1067959-XX-D (G)

PKA22-D BK 0.35 FLRY
844.33 1067959-XX-D (G)

PKA21-F RD 0.35 FLRY
1344.33 1067959-XX-D (G)

PKA22-F BK 0.35 FLRY
1344.33 1067959-XX-D (G)

Ultrasonic Sensor RSR
G
X145 — X145-1 Power In: Power In; X145-2 LIN: LIN; X145-3 Ground Return: Ground Return

Ultrasonic Sensor ROR
G
X144 — X144-1 Power In: Power In; X144-2 LIN: LIN; X144-3 Ground Return: Ground Return

Ultrasonic Sensor RIR
G
X143 — X143-1 Power In: Power In; X143-2 LIN: LIN; X143-3 Ground Return: Ground Return

Ultrasonic Sensor LIR
G
X142 — X142-1 Power In: Power In; X142-2 LIN: LIN; X142-3 Ground Return: Ground Return

Ultrasonic Sensor LOR
G
X141 — X141-1 Power In: Power In; X141-2 LIN: LIN; X141-3 Ground Return: Ground Return

Ultrasonic Sensor LSR
G
X140 — X140-1 Power In: Power In; X140-2 LIN: LIN; X140-3 Ground Return

TESLA

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DRAWN	CHECKED	APPROVED

MATERIAL	FINISHING	SCALE
AS SPECIFIED	AS SPECIFIED	NONE

PART NAME
Ultrasonics

PART NUMBER	REV	SHEET	SIZE
	2	45 OF 45	A0

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