

6

CAN L
CAN H

015 609-701

To
Segment 1
To
Segment 6

Main Fuse
604

026 601-605

Precharge PCB
605

022 605-609

027 601-606

IMD PCB
606

028 601-606

023 601-605

024 602-605

021 606-609

AIR #1
601

AIR #2
602

Current Sensor
603

020 607-609

B C E

LED + LED -

032 607-xxx

031 607-xxx

HVIL PCB
607

HV + HV -

029 601-607

030 601-607

HV DC
Connector
608

HV +
HV -

LV
Connector
609

TSAL

IMD OK HS

SDC +

LV +

LV-SDC-

CANL 1

CANH 1

SOC

Charger
Safety

MPI 1

MPI 2

Discharge
Limit

To Segment 3

005 219-610

T.E.M. #1
610

1 2 3 4 5 6 7 8 9 10

To Segment 1

001 017-610

To Segment 2

003 119-610

018 609-610

016 610-701

011 517-611

To Segment 6

019 609-611

To Segment 4

007 319-611

To Segment 5

009 419-611

017 611-701

LEGEND
INDICATES TRACTIVE-SYSTEM CABLE
INDICATES TS BUSBAR (NOT SCHEDULED)
INDICATES GLV OUTPUT CABLE
INDICATES GLV CAN-BUS CABLE

INDICATES GLV LV + CABLE
INDICATES GLV LV - CABLE
INDICATES GLV SDC + CABLE

CONFIDENTIAL

SCALE

REVISION DESCRIPTION

1STLINE

REV. BY

REV. DATE

REV. NO

REVDRAWN

REVDATE

REVNUMBER

Texas A&M Formula SAE Electric

College Station, Texas

2023 Competition Season

DRAWING DESCRIPTION

OVERALL CONCEPTUAL DRAWINGS
HV/LV POWER ONLY
BLOCK DIAGRAM

SUBTEAM & SUBSYSTEM

BATTERY, ELECTRONICS COMPARTMENT

DRAWN BY

RYAN CUMMINGS

DATE DRAWN

DWG. No.