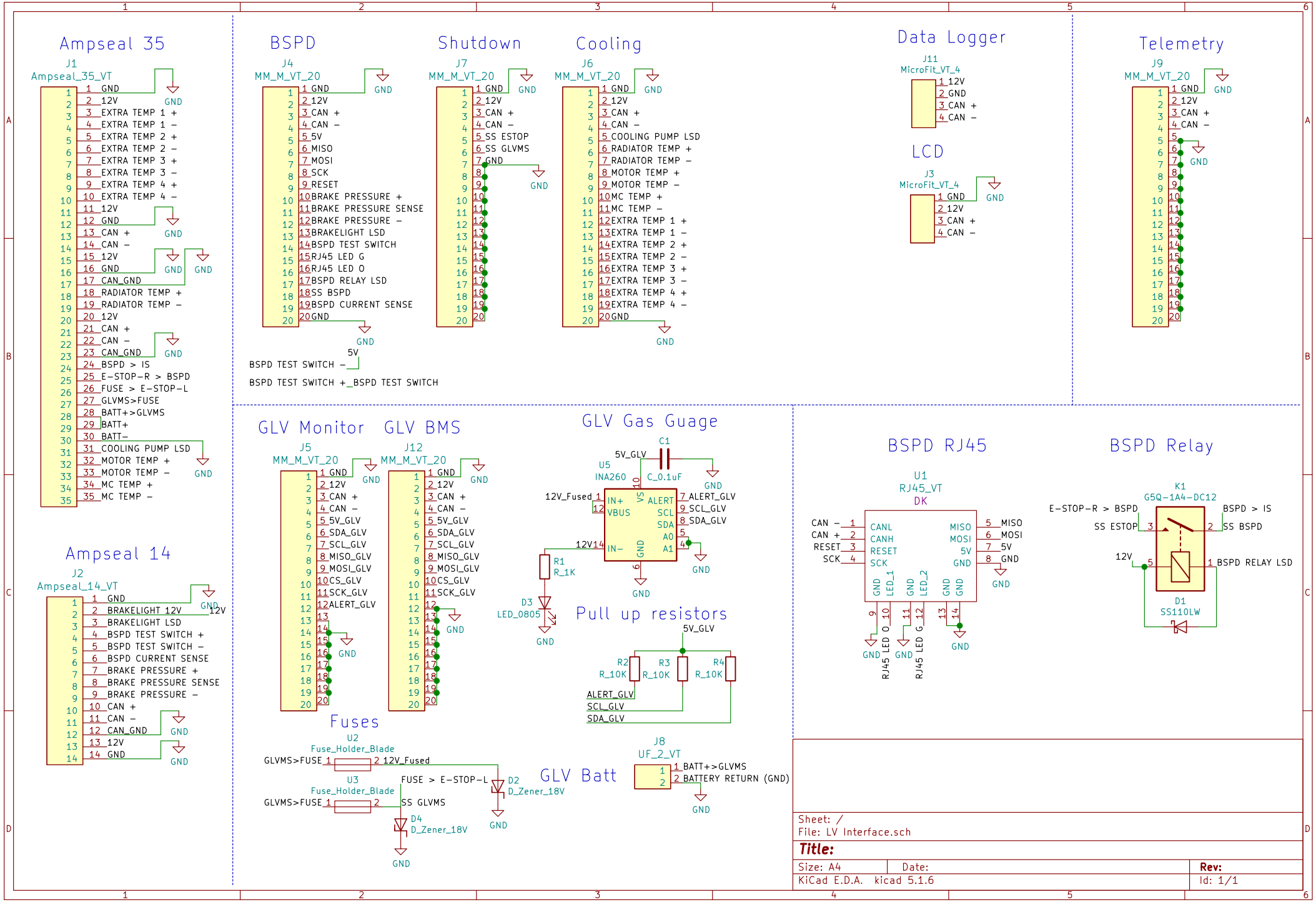
Ampseal 35
J1
Ampseal_35_VT
1 GND
2 12V
3 EXTRA TEMP 1 +
4 EXTRA TEMP 1 −
5 EXTRA TEMP 2 +
6 EXTRA TEMP 2 −
7 EXTRA TEMP 3 +
8 EXTRA TEMP 3 −
9 EXTRA TEMP 4 +
10 EXTRA TEMP 4 −
11 12V
12 GND
13 CAN +
14 CAN −
15 12V
16 GND
17 CAN_GND
18 RADIATOR TEMP +
19 RADIATOR TEMP −
20 12V
21 CAN +
22 CAN −
23 CAN_GND
24 BSPD > IS
25 E−STOP−R > BSPD
26 FUSE > E−STOP−L
27 GLVMS>FUSE
28 BATT+>GLVMS
29 BATT+
30 BATT−
31 COOLING PUMP LSD
32 MOTOR TEMP +
33 MOTOR TEMP −
34 MC TEMP +
35 MC TEMP −
GND
12V
Ampseal 14
J2
Ampseal_14_VT
1 GND
2 BRAKELIGHT 12V
3 BRAKELIGHT LSD
4 BSPD TEST SWITCH +
5 BSPD TEST SWITCH −
6 BSPD CURRENT SENSE
7 BRAKE PRESSURE +
8 BRAKE PRESSURE SENSE
9 BRAKE PRESSURE −
10 CAN +
11 CAN −
12 CAN_GND
13 12V
14 GND
BSPD
J4
MM_M_VT_20
1 GND
2 12V
3 CAN +
4 CAN −
5 5V
6 MISO
7 MOSI
8 SCK
9 RESET
10 BRAKE PRESSURE +
11 BRAKE PRESSURE SENSE
12 BRAKE PRESSURE −
13 BRAKELIGHT LSD
14 BSPD TEST SWITCH
15 RJ45 LED G
16 RJ45 LED O
17 BSPD RELAY LSD
18 SS BSPD
19 BSPD CURRENT SENSE
20 GND
5V
BSPD TEST SWITCH −
BSPD TEST SWITCH +
BSPD TEST SWITCH
Shutdown
J7
MM_M_VT_20
1 GND
2 12V
3 CAN +
4 CAN −
5 SS ESTOP
6 SS GLVMS
7 GND
Cooling
J6
MM_M_VT_20
1 GND
2 12V
3 CAN +
4 CAN −
5 COOLING PUMP LSD
6 RADIATOR TEMP +
7 RADIATOR TEMP −
8 MOTOR TEMP +
9 MOTOR TEMP −
10 MC TEMP +
11 MC TEMP −
12 EXTRA TEMP 1 +
13 EXTRA TEMP 1 −
14 EXTRA TEMP 2 +
15 EXTRA TEMP 2 −
16 EXTRA TEMP 3 +
17 EXTRA TEMP 3 −
18 EXTRA TEMP 4 +
19 EXTRA TEMP 4 −
20 GND
Data Logger
J11
MicroFit_VT_4
1 12V
2 GND
3 CAN +
4 CAN −
LCD
J3
MicroFit_VT_4
1 GND
2 12V
3 CAN +
4 CAN −
Telemetry
J9
MM_M_VT_20
1 GND
2 12V
3 CAN +
4 CAN −
GLV Monitor
J5
MM_M_VT_20
1 GND
2 12V
3 CAN +
4 CAN −
5 5V_GLV
6 SDA_GLV
7 SCL_GLV
8 MISO_GLV
9 MOSI_GLV
10 CS_GLV
11 SCK_GLV
12 ALERT_GLV
GLV BMS
J12
MM_M_VT_20
1 GND
2 12V
3 CAN +
4 CAN −
5 5V_GLV
6 SDA_GLV
7 SCL_GLV
8 MISO_GLV
9 MOSI_GLV
10 CS_GLV
11 SCK_GLV
GLV Gas Guage
C1
5V_GLV
C_0.1uF
U5
INA260
12V_Fused
IN+
VBUS
IN−
VS
GND
ALERT
SCL
SDA
A0
A1
ALERT_GLV
SCL_GLV
SDA_GLV
R1
R_1K
D3
LED_0805
Pull up resistors
5V_GLV
R2
R_10K
R3
R_10K
R4
R_10K
ALERT_GLV
SCL_GLV
SDA_GLV
Fuses
U2
Fuse_Holder_Blade
GLVMS>FUSE
12V_Fused
U3
Fuse_Holder_Blade
GLVMS>FUSE
FUSE > E−STOP−L
SS GLVMS
D2
D_Zener_18V
D4
D_Zener_18V
GLV Batt
J8
UF_2_VT
1 BATT+>GLVMS
2 BATTERY RETURN (GND)
BSPD RJ45
U1
RJ45_VT
DK
CAN −
CAN +
RESET
SCK
CANL
CANH
RESET
SCK
MISO
MOSI
5V
GND
LED_1
LED_2
RJ45 LED O
RJ45 LED G
BSPD Relay
K1
G5Q−1A4−DC12
E−STOP−R > BSPD
SS ESTOP
12V
BSPD > IS
SS BSPD
BSPD RELAY LSD
D1
SS110LW
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File: LV Interface.sch
Title:
Size: A4
Date:
Rev:
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