

Wire Number	Conn A	Conn B
1	J1-1	15A Circuit Breaker A
2	J1-2	DIN Terminal (GND)
3	Display (DCin +)	J3-1
4	Display (DCin -)	DIN Terminal (GND)
5	Display (Load +)	GLV BoB (BRBLS_B)
6	Display (Load -)	GLV BoB (-BATT)
7	15A Circuit Breaker B	J4-1
8	J3-2	J4-2
9	J4-3	GLV BoB (Mreset_A)
10	J4-4	GLV BoB (Mreset_B)
11	J4-5	GLV BoB (TSVMS_A)
12	J4-6	GLV BoB (TSVMS_B)
13	J5 (HDMI)	Pi HDMI
14	J6-1	Pi I/O
15	J6-2	Pi I/O
16	J6-3	Pi I/O
17	J6-4	GLV BoB (BRB_CP_A)
18	J6-5	GLV BoB (BRB_CP_B)
19	J6-6	GLV BoB (CPR_A)
20	J6-7	GLV BoB (CPR_B)
21	J6-8	GLV BoB (GLV_LED)
22	J6-9	GLV BoB (Mreset_A)
23	J6-10	GLV BoB (Fault_LED)
24	J6-11	GLV BoB (AIRs_LED)
25	J6-12	DIN Terminal (GND)
26	J7-1	GLV BoB (UART_TX)
27	J7-2	GLV BoB (UART_RX)
28	J7-3	GLV BoB (UART_GND)
29	J9-1	GLV BoB (Safety1)
30	J9-2	GLV BoB (Safety2)
31	J9-3	GLV BoB (AIRS+)
32	J9-4	GLV BoB (AIRS-)
33	8A Circuit Breaker A	GLV_BoB (GLV_Power)
34	8A Circuit Breaker B	J10-5
35	J10-1	GLV_BoB (CAN_H)
36	J10-2	GLV_BoB (CAN_L)
37	J10-3	GLV_BoB (GND)
38	J10-4	DIN Terminal (CHAS)
39	J10-6	DIN Terminal (GND)
40	J11 (USB)	Pi USB
41	J12 (Ethernet)	Pi Ethernet
42	J13-1	GLV_BoB (+5V)
43	J13-2	GLV_BoB (GND)
44	J13-3	GLV_BoB (CHAS)
45	J14-1	GLV_BoB (TSE_LED)
46	J14-2	GLV_BoB (GND)
47	J15-1	GLV_BoB (TestCTRL_A)
48	J15-2	GLV_BoB (TestCTRL_B)
49	J16-1	GLV_BoB (RPM)
50	J16-2	GLV_BoB (Torque)
51	J16-3	GLV_BoB (P4-1)
52	J16-4	GLV_BoB (GND)
53	J16-5	GLV_BoB (Load)
54	J16-6	GLV_BoB (GND)
55	GLV_BoB (P1)	Pi Pins
56	GLV_BoB (P3)	Pi Pins