INPUT-DSUB

Pin	Signal
1	LASER-UART-1
2	LASER-UART-2
3	LASER-UART-3
4	LASER-UART-4
5	LASER-UART-5
6	LASER-I2C-SCL
7	MAGNET-I2C-SDA
8	5V-DIG-TX
9	5V-DIG-CAM
10	5V-DIG-LASER
11	5V-DIG-MAG
12	5V-DIG-STA
13	5V-ACT-CAM
14	5V-ACT-LASER
15	5V-ACT-TX
16	5V-ACT-STA
17	5V-ACT-MAG
18	12V-CAM
19	12V-STA
20	GND
21	GND
22	GND
23	GND
24	GND
25	GND
26	USB-CAM_N
27	USB-CAM_P
28	BOOM-I2C-SCL
29	BOOM-I2C-SDA
30	MAGNET-I2C-SCL
31	STATIC-I2C-SCL
32	STATIC-I2C-SDA
33	LASER-I2C-SDA
34	ANT-SS
35	ANT-SCK
36	ANT-MISO
37	ANT-MOSI
MH1	MH1
MH2	MH2

182-037-213R531

GND

OUTPUT-DSUB

Signal	Pin
12V-STA-SWITCHED	1
12V-CAM-SWITCHED	2
5V-ACT-MAG-SWITCHED	3
5V-ACT-STA-SWITCHED	4
5V-ACT-TX-SWITCHED	5
5V-ACT-LASER-SWITCHED	6
5V-ACT-CAM-SWITCHED	7
5V-DIG-STA	8
5V-DIG-MAG	9
5V-DIG-LASER	10
5V-DIG-CAM	11
5V-DIG-TX	12
MAGNET-I2C-SDA	13
LASER-I2C-SCL	14
LASER-UART-5	15
LASER-UART-4	16
LASER-UART-3	17
LASER-UART-2	18
LASER-UART-1	19
ANT-MOSI	20
ANT-MISO	21
ANT-SCK	22
ANT-SS	23
LASER-I2C-SDA	24
STATIC-I2C-SDA	25
STATIC-I2C-SCL	26
MAGNET-I2C-SCL	27
BOOM-I2C-SDA	28
BOOM-I2C-SCL	29
USB-CAM_P	30
USB-CAM_N	31
GND	32
GND	33
GND	34
GND	35
GND	36
GND	37
MH1	MH1
MH2	MH2

GND   182-037-213R531

5V_CAM
5V-ACT-CAM → 5V-ACT-CAM-SWITCHED
MTA106

5V_LASER
5V-ACT-LASER → 5V-ACT-LASER-SWITCHED
MTA106

5V_TX
5V-ACT-TX → 5V-ACT-TX-SWITCHED
MTA106

5V_STA
5V-ACT-STA → 5V-ACT-STA-SWITCHED
MTA106

5V_MAG
5V-ACT-MAG → 5V-ACT-MAG-SWITCHED
MTA106

12V_CAM
12V-CAM → 12V-CAM-SWITCHED
MTA106

12V_STA
12V-STA → 12V-STA-SWITCHED
MTA106

TITLE: SafetySwitchBoard

Design by: Graham Braly

REV:
>REV

Date: 2/10/2020 9:03 PM

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