CN2
M5Stack_Socket30pin
M207811545

1	BAT	HPWR	2
3	5V	HPWR	4
5	G34	HPWR	6
7	G0	G15	8
9	G13	G12	10
11	G5	G2	12
13	G22	G21	14
15	G17	G16	16
17	G1	G3	18
19	3.3v	G18	20
21	G26	G19	22
23	G15	G23	24
25	EN	GND	26
27	G36	GND	28
29	G35	GND	30

CN1
M5Stack_Pin30pin
M207811545

1	BAT	HPWR	2
3	5V	HPWR	4
5	G34	HPWR	6
7	G0	G15	8
9	G13	G12	10
11	G5	G2	12
13	G22	G21	14
15	G17	G16	16
17	G1	G3	18
19	3.3v	G18	20
21	G26	G19	22
23	G15	G23	24
25	EN	GND	26
27	G36	GND	28
29	G35	GND	30

J1
JP_OPEN
GND

U1
Arduino Pro Mini

1	TXO/DB1	DB10/A10	13
2	RXI/DB0	DB16/MOSI	14
3	GND	DB14/MISO	15
4	GND	DB15/SCLK	16
5	DB2/SDA	DB18/A0	17
6	DB3/SCL	DB19/A1	18
7	DB4/A6	DB20/A2	19
8	DB5	DB21/A3	20
9	DB6/A7	VCC(+5V)	21
10	DB7	RESET#	22
11	DB8/A8	GND	23
12	DB9/A9	PWR(7-12V)	24

GND

RN1
4609X-101-472LF
4609X

GND

IC1
CD74HC4050E

NC_2, 6Y, 6A, NC_1, 5Y, 5A, 4Y, 4A
VCC, 1Y, 1A, 2Y, 2A, 3Y, 3A, GND

GND

CN3
XM3C-0922-111
XM3C0922111

MH1   MH2

GND