

J7
MB
MB
MIA
M2A
M2B
M2B

Stepper 1

J8
MB
MB
MIA
M2A
M2B
M2B

Stepper 2

J9
MB
MB
MIA
M2A
M2B
M2B

Stepper 3

J10
MB
MB
MIA
M2A
M2B
M2B

Stepper 4

Stepper 4

○ ○ ○ □

A12

H1

H2

GND
VIN
12V
3.3V
5V
12V

U2
5V
12V
GND
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29

U3
5V
12V
GND
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29

A1
A3
DAC1
A1
A2
DAC0
14/TX3
16/TX2
18/TX1
20/SDA
MISO
MOSI
RESET
SCK
SCL1
1
3
5
7
9
11
13

15/RX3
17/RX2
19/RX1
21/SCL
23
25
27
29

R4
R5
R6
R7
R8
R9
R10

Localization Board

J12
5V
12V
GND
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29

J13
5V
12V
GND
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29

H3

GND
IOREF
A4
A6
A8
A10
45
43
41
39
37
35
33
31
3.3V
AREF
A5
A7
A9
A11
44
42
40
38
36
34
32
30
MISO
18/TX1
20/SDA
GND
SCK
MOSI
19/RX1
21/SCL
5V