Auto focuser based on Rpi Pico

U1
7805

IN   OUT

GND

V1
12 V

C1
100uf F

C2
10uf F

7805 or ay DC to DC voltage regulator or bucky

VREF
DIAG1

EN   VM
SDI/CFG1   GND
SCK/CFG2   M2B
CS/CFG3   M2A
SDO/UART/CFG0

DIAG0   M1B

STEP   rIO
DIR   GND

view from top

TMC2208

TP1
TP4
TP5
TP6

TP1-6 ARE ON
REVERSE SIDE

1   40
2   39
3   38
4
5
6   35
7   34
8   33
9   32
10 31
11 30
12 29
13 28
14 27
15 26
16 25
17 24
18 23
19 22
20 21

D1 D2 D3

RPI Pico

KEY   JY—MCU
VCC   Power:3.6—6V
GND
TXD   3.2V LEVEL
RXD
STATE BT_BOARD V1.05

HC-06

To
Stepper
Motor