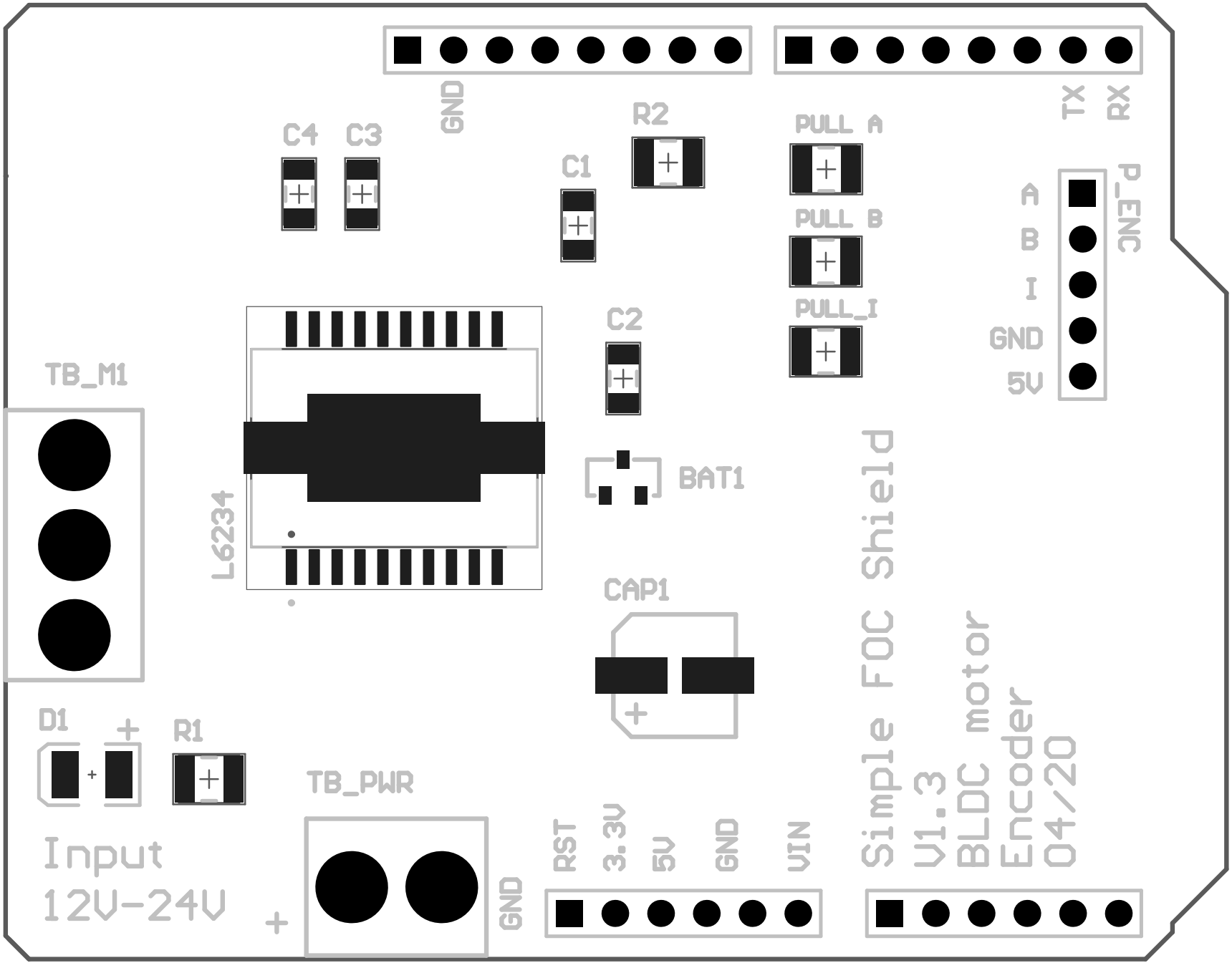
GND
TX
RX
C4
C3
R2
C1
PULL A
PULL B
PULL_I
A
B
I
GND
5V
P_ENC
C2
TB_M1
L6234
BAT1
CAP1
Simple FOC Shield
V1.3
BLDC motor
Encoder
04/20
D1
R1
TB_PWR
Input
12V-24V
GND
RST
3.3V
5V
GND
VIN

Hardware pin
configuration
Solder to change pin
number
- L6234 PWMs & enable
- Encoder
A,B & I
pwm A
3
9
enable
7
8
11
pwm C
5
6
pwm B
10
Enc
A
A2
A3
3
Enc
B
A1
2
Enc
I
A0
4
Pull
I
Pull
B
Pull
A
enable bridge
solder to pull up
solder
digitrub.com/asksurio/Arduino-FOC