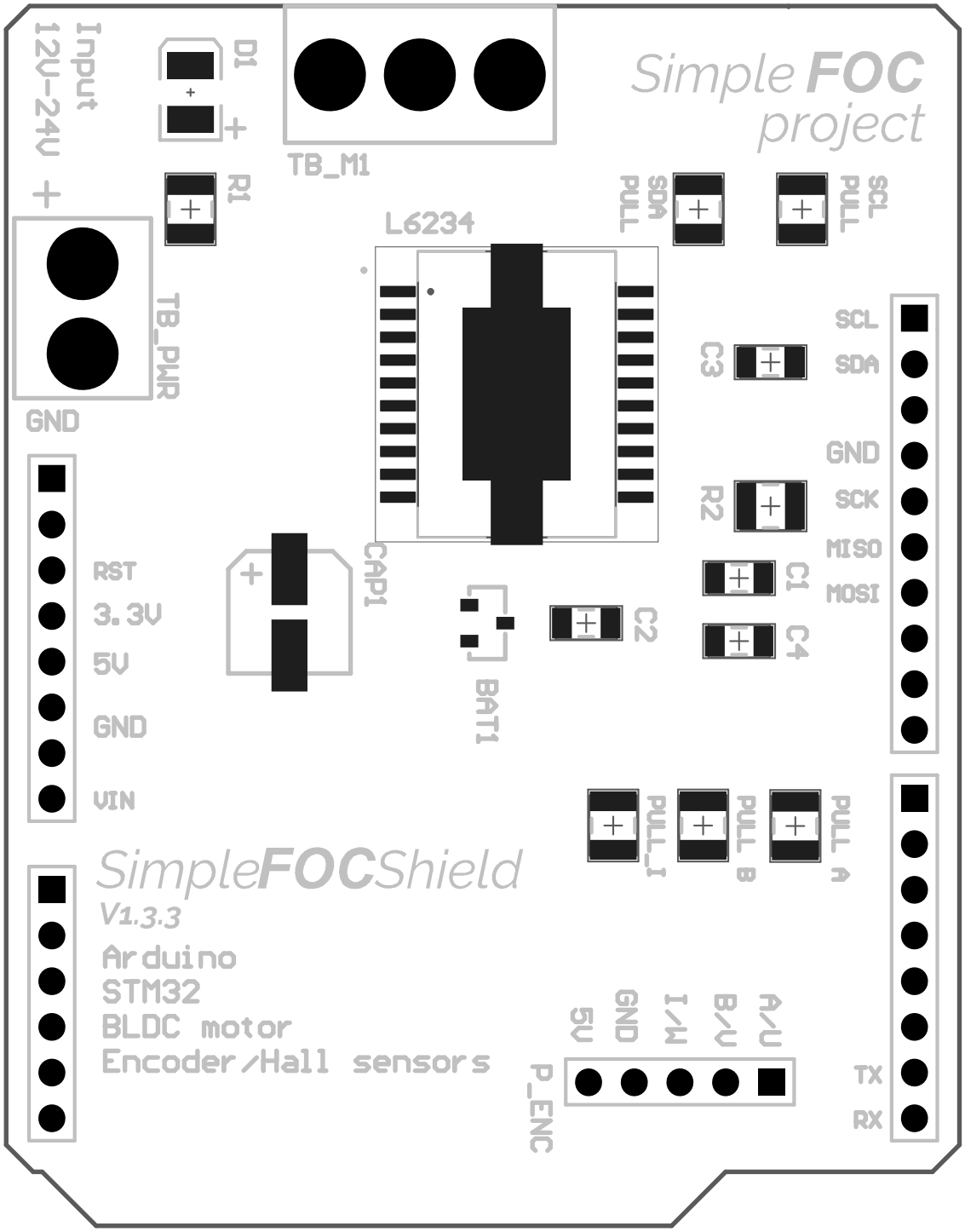
Input
12V-24V
D1
R1
TB_M1
Simple FOC
project
SDA
PULL
SCL
PULL
L6234
TB_PWR
GND
C3
SCL
SDA
GND
SCK
MISO
MOSI
R2
C1
C4
C2
CAP1
BAT1
RST
3.3V
5V
GND
VIN
PULL_I
PULL B
PULL A
SimpleFOCShield
V1.3.3
Arduino
STM32
BLDC motor
Encoder/Hall sensors
5V
GND
I/W
B/V
A/U
P_ENC
TX
RX

12/2020
docs.simplefoc.com
Hardware pin configuration
Solder to select
pin number
- L6234:
PWM & enable
- Encoder: A,B,I
Hall: U,V,W
pullups
Solder to
enable I2C
Pull SDA
Pull SCL
Solder to
enable pullups
Pull
A
Pull
B
Pull
I
enable
pwm A
pwm C
pwm B
Enc
A
Enc
B
Enc
I
A3
A2
A0
A1
3
11
5
10
13
6
8
9
7
3
2
4