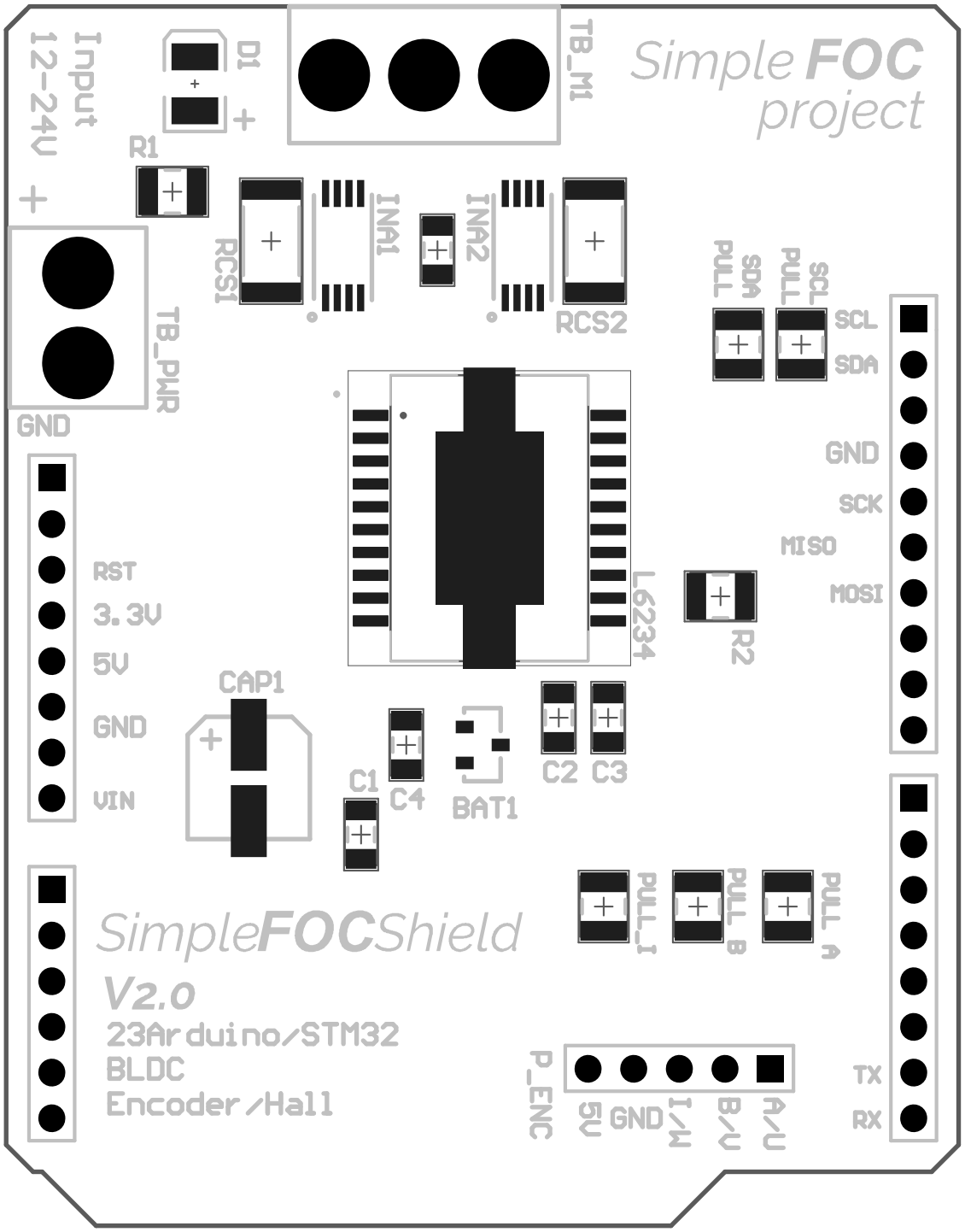
Input
12-24V
D1
TB_M1
Simple FOC
project
R1
RCS1
INA1
INA2
RCS2
PULL SDA
PULL SCL
SCL
SDA
TB_PWR
GND
GND
SCK
MISO
MOSI
RST
3.3V
5V
GND
VIN
L6234
R2
CAP1
C1
C4
BAT1
C2
C3
PULL_I
PULL_B
PULL_A
SimpleFOCShield
V2.0
23Arduino/STM32
BLDC
Encoder/Hall
P_ENC
5V
GND
I/W
B/V
A/U
TX
RX

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11/2020
Pull
SCL
Pull
SDA
Solder to enable
I2C pullups
11
pwm C
6
13
9
pwm A
10
enable
8
pwm B
7
3
Solder to enable
encoder pullups
Pull
A
B
I
L6234 pinout config
PWM & enable
13
4
Enc
I
11
2
A4
Enc B
Encoder/Hall
pinout config
12
A
Enc
3
A5
A1
phase A
A3
phase B
Current sensing
pinout config
A0
A2