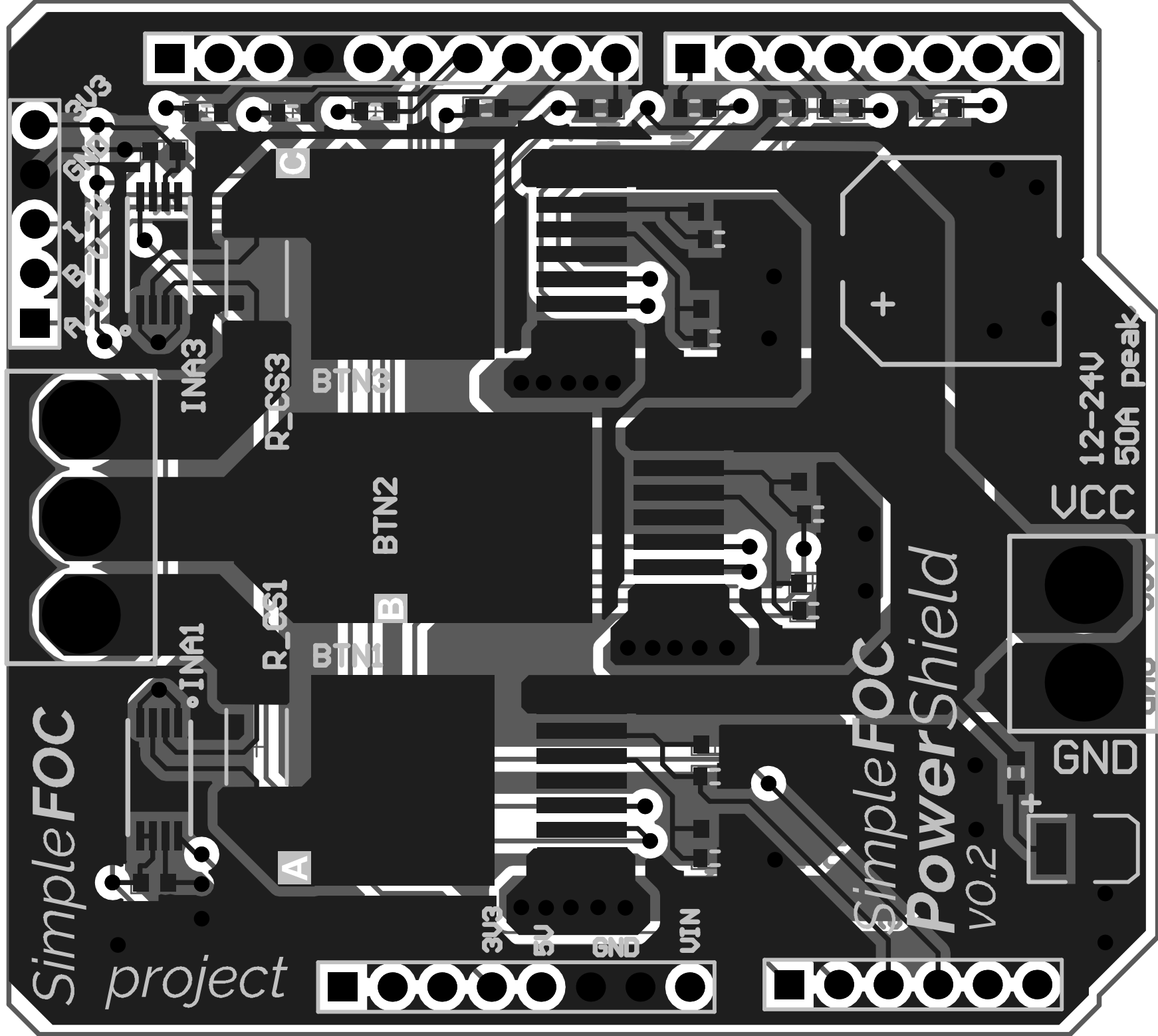


Title		
Size	Number	Revision
A3	0.2	0
Date:	07/03/2021	Sheet of
File:	C:\Users\...SimpleFOCDriver.SchDoc	Drawn By:

SimpleFOC

project



SimpleFOC
PowerShield
V0.2

GND

12-24V
50A peak

Name	Description	Designator	Quantity	Value	PackageReference
VEJ471M1ETR1010		CAP_PWR	1	470uF	
INA240		INA1, INA3	2		
solder_connectio n		SCA, SCB, SCC	3		
TB002-500-03BE		TB_MOT	1		
TB002-500-02BE		TB_PWR	1		
BTN8982	BTN8982	BTN1, BTN2, BTN3	3		
Cap Semi	Capacitor (Semiconductor SIM Model)	CBY1, CBY3	2	0.1uF	C0603
Cap Semi	Capacitor (Semiconductor SIM Model)	C_IS1, C_IS2, C_IS3	3	1nF	C0603
Cap Semi	Capacitor (Semiconductor SIM Model)	C_SR1, C_SR2, C_SR3	3	100nF	C1206
Header 5	Header, 5-Pin	P_ENC	1		
Header 6	Header, 6-Pin	P3	1		
Header 8	Header, 8-Pin	P1, P4	2		
Header 10	Header, 10-Pin	P2	1		
Res3	Resistor	R1, R2, R3, R4, R5, R6	6	10k	J1-0603
Res3	Resistor	RPA, RPB, RPC	3	3.3K	J1-0603
Res3	Resistor	R_CS1, R_CS3	2	0.001	RESC6332
Res3	Resistor	R_IS1, R_IS2, R_IS3, RL	4	1K	J1-0603
Res3	Resistor	R_SR1, R_SR2, R_SR3	3	0.51k	J1-0603
LED3	Typical BLUE SiC LED	D1	1		3.5X2.8X1.9