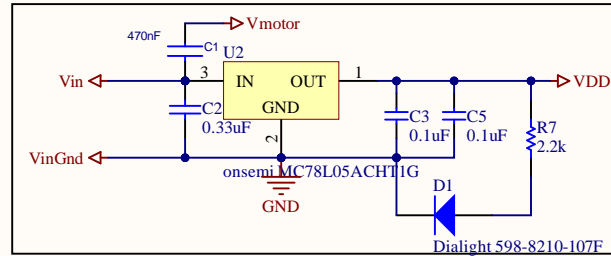
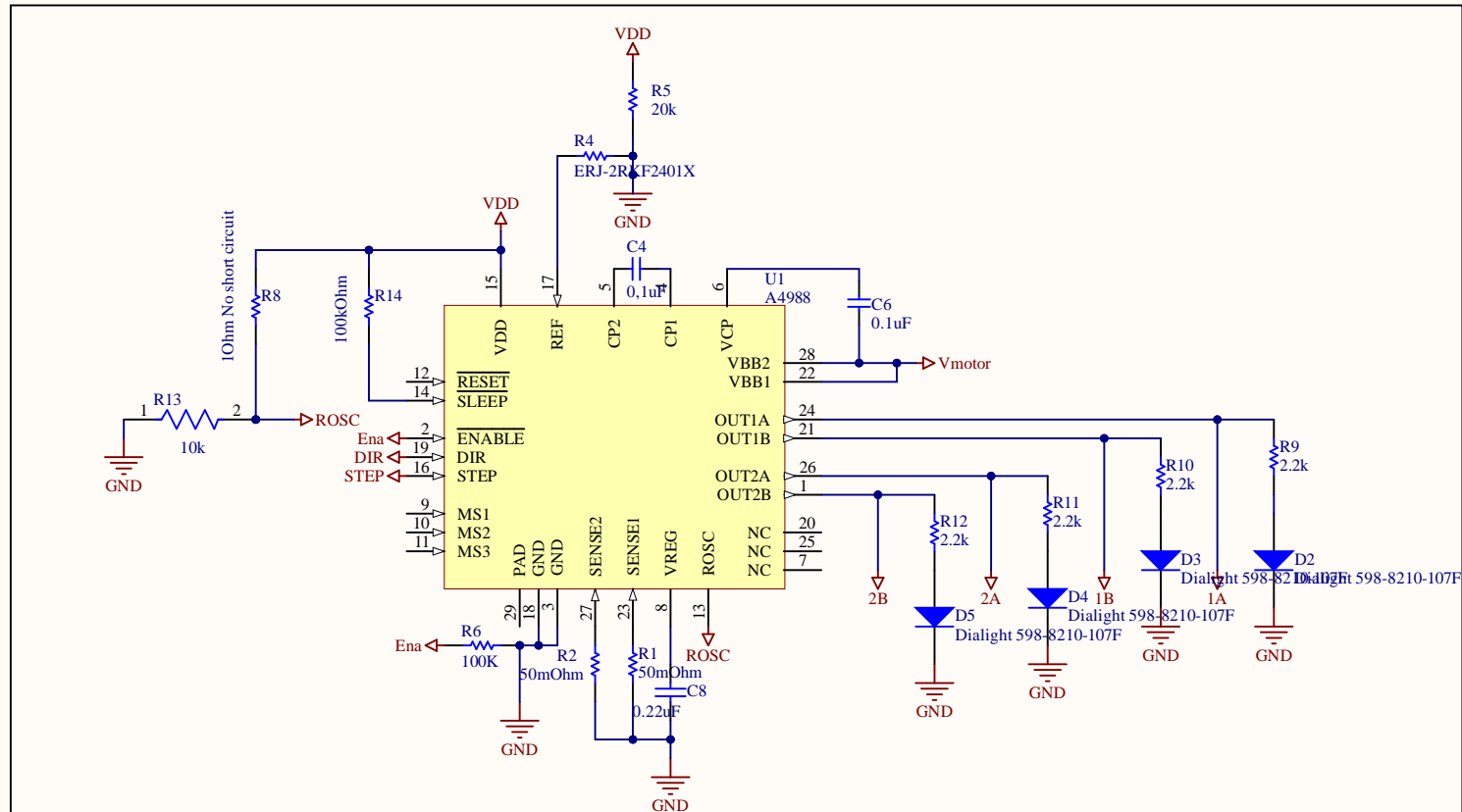


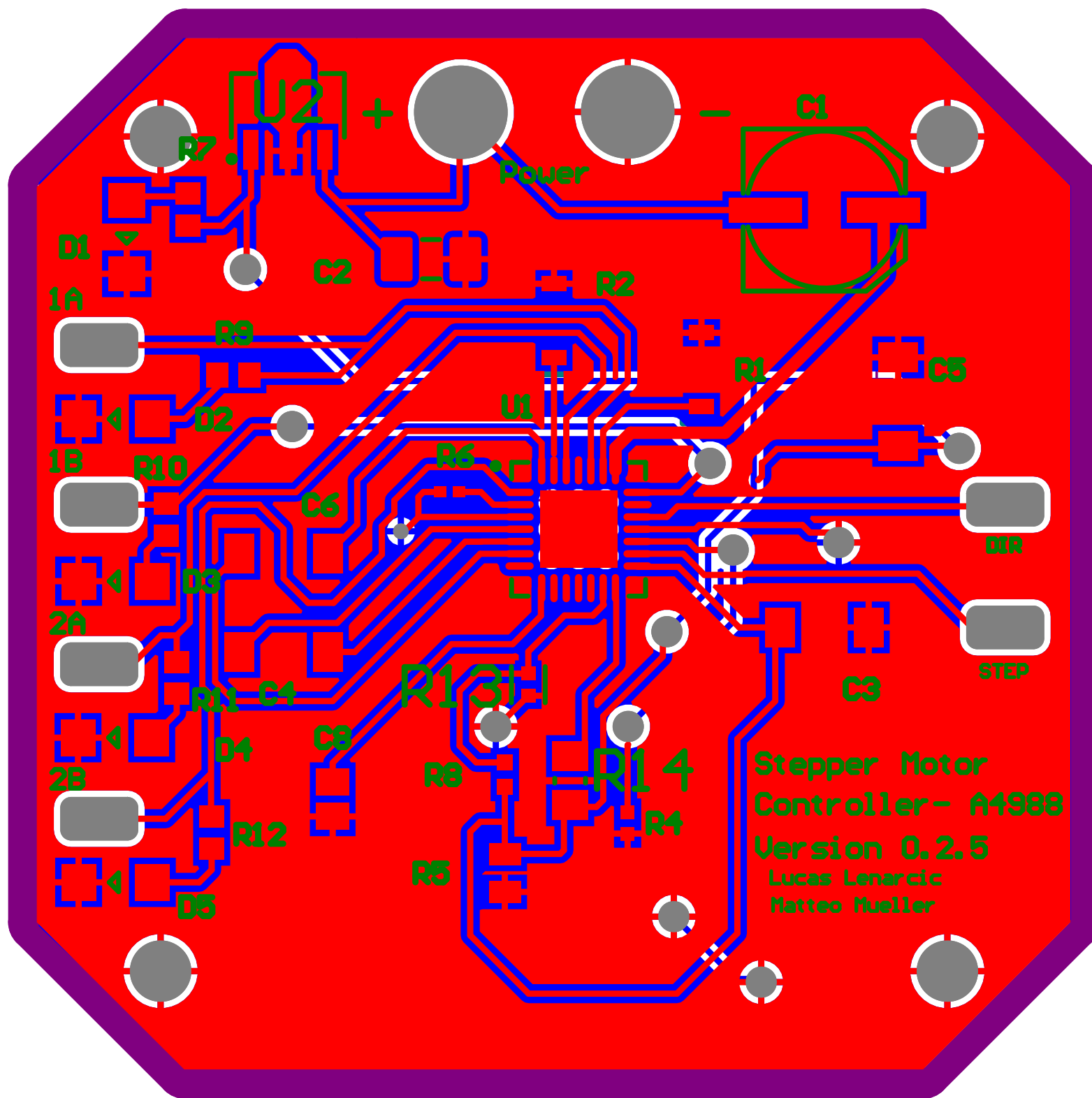
Power-Regulator



A4988-Motor-Controller



Title		
Size	Number	Revision
A4		
Date:	2.27.2022	Sheet of
File:	C:\ProgramData\...\StepperController.SchDown By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
470nF	Cap Ceramic 0.47uF 10V X5R 20% SMD 0402 85°C T/R	C1	PCB-ab16gx9rkhzdcptx7kd3-1	CMP-c29e0abbad7d1d59-2	1
0.33uF	CL31 Series 0.33 uF 50 V ±10 % Tolerance X7R SMT Multilayer Ceramic Capacitor	C2	PCB-w610zufupuummbghd1in-1	CMP-6acba34cbf0cb50c-1	1
0.1uF	C Series 1206 0.1 uF 50 V ±5 % Tolerance C0G SMT Multilayer Ceramic Capacitor	C3, C5, C6	PCB-lcc7kuvv5qjd2xw4yurg-1	CMP-915a59dc44ec4e9d-4	3
0.1uF	C Series 1206 0.1 uF 50 V ±5 % Tolerance C0G SMT Multilayer Ceramic Capacitor	C4	PCB-lcc7kuvv5qjd2xw4yurg-1	CMP-915a59dc44ec4e9d-4	1
0.22uF	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50volts .22uF 5% X7R 7inch reel	C8	CAPC2013X140X50LL20T25	CMP-3551434-4	1
Dialight 598-8210-107F	LED Uni-Color Red 2-Pin Chip 1206(3216Metric) T/R	D1, D2, D3, D4, D5	PCB-nfeeyiqhjphw6gveeqew-1	CMP-bfda76ddda44601d-2	5
50mOhm	Thick Film Surface Mnt Resistor 2512 Case 50MOhm +/-1% 1W +/-100ppm/degC	R1, R2	PCB-h38ewjcsmg51leo397rp-1	CMP-2fd8e4750972f01f-1	2
ERJ-2RKf2401X		R4	RESC1005X40X25NL05T05	CMP-2002-00798-1	1
20k		R5	RESC2013X55X40LL15T20	CMP-15323555-2	1
100K	Res General Purpose Thick Film 0402 100k Ohm 1% 1/16W ±100ppm/°C Molded Paper T/R	R6	PCB-n97kkldbbf5rklmnt71m-1	CMP-86ed4a8b7141592a-1	1
2.2k	Res Thin Film 0603 10K Ohm 0.5% 1/16W ±25ppm/°C Molded SMD SMD Paper T/R	R7, R9, R10, R11, R12	RESC1608X55X30NL20T20	CMP-22beaeef4a5fd79-1	5
10hm No short circuit		R8	RESC1005X40X25ML05T05	CMP-2002-08342-1	1
10k	RES SMD 10K OHM 1% 1/16W 0402	R13	FP-CRCW0402-e3-IPC_B	CMP-2002-08135-2	1
100kOhm	Chip Resistor, 100 KOhm, +/- 1%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel	R14	RESC2013X60X35ML10T20	CMP-2100-03668-1	1
A4988	DMOS Microstepping Driver with Translator and Overcurrent Protection, 3 to 5.5 V, 20 to 85 degC, 28-Pin QFN (ET), RoHS, Tape and Reel	U1	ALEG-ET-28_V	CMP-966506-24	1
onsemi MC78L05ACHT1G	Linear Voltage Regulator, 100 mA, 5 to 24 V, Positive Vout: 5.0 V; TJ = 0°C to +125°C	U2	NXP-SOT89_A_M	CMP-4fb3855e828b9074-8	1