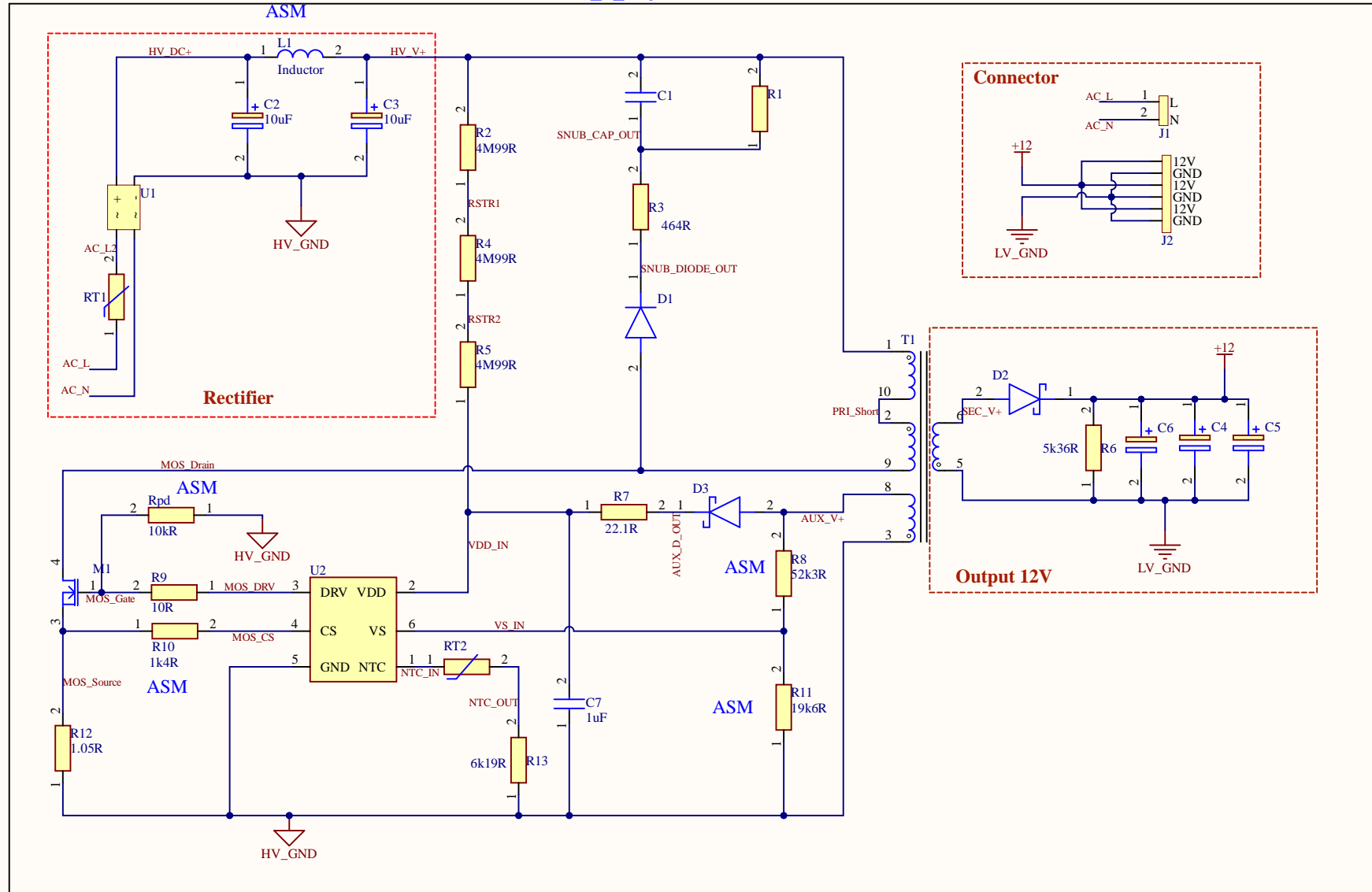
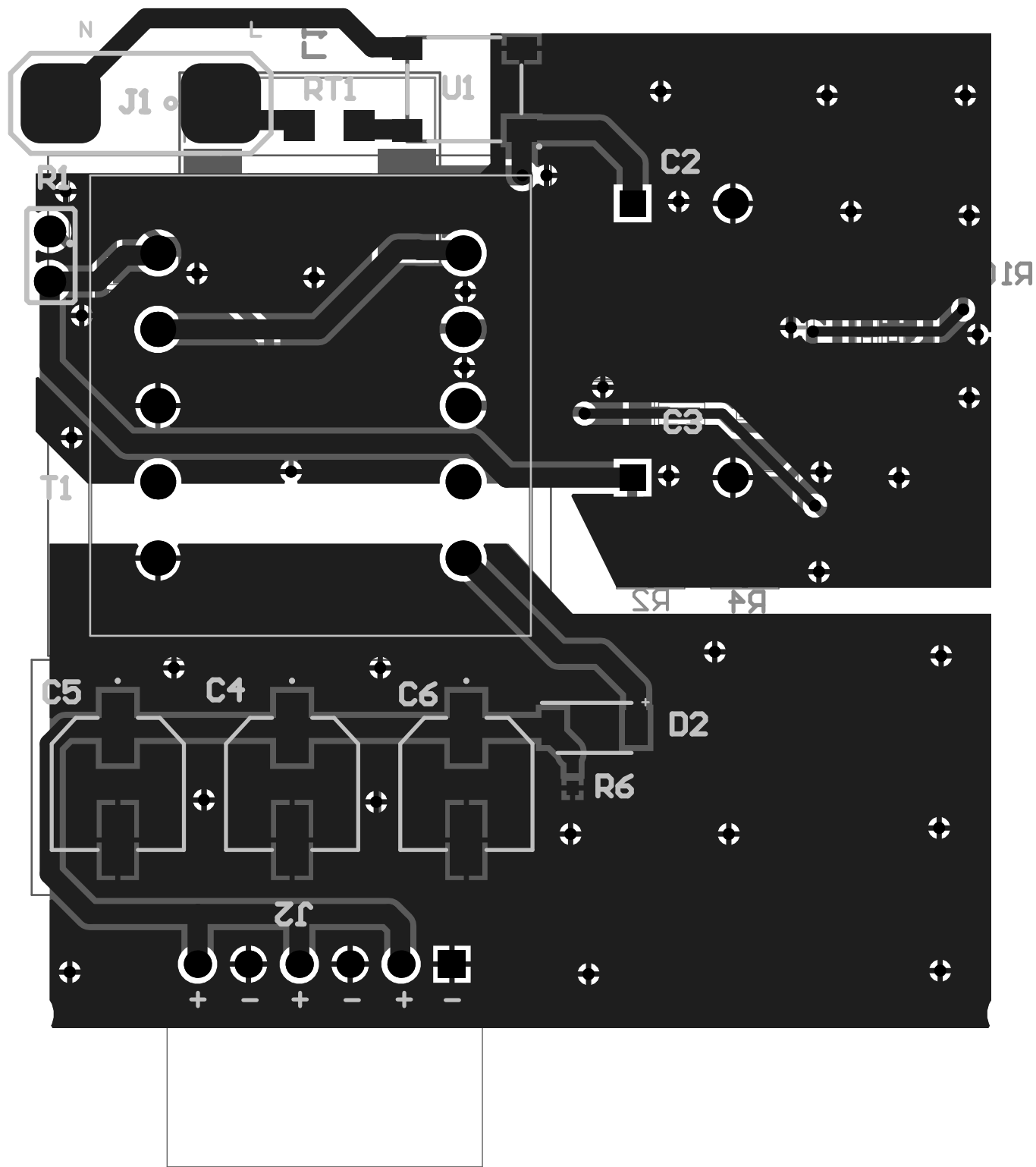


Power Supply 12V 1.4A



Title		
Size	Number	Revision
A4		
Date:	3-14-2023	Sheet of
File:	C:\Users\...\powerSupply.SchDoc	Drawn By:



Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	0805C	10nF	C1	1							
	10uF	Alum. Electrolytic Cap 10µF 400V 10mm Radial WCAP- AT1H; Lifetime 10000h +105°C	C2, C3	2				Mouser			
	16SVPG270MX	Capacitor Polarised	C4, C5, C6	3							
	1uF	Cap Ceramic 1uF 100V X7R 10% SMD 1206 125°C Embossed T/R	C7	1				Mouser			
	UFS180Je3_TR13	Diode	D1	1							
	RB058LAM100TR	Schottky Diode	D2, D3	2							
	AC(1N)		J1	1							
	12V		J2	1							
	Inductor	Inductor Power Shielded Wirewound 470uH 10% 1KHz 18Q- Factor Ferrite 0.18A 3.3Ohm DCR T/R	L1	1				Mouser			
	MOSFET	Single N- Channel 800 V 900 mOhm 15 nC CoolMOS Power Mosfet DPAK	M1	1				Mouser			
	3W-Resistor	Resistor	R1	1							
	4M99R		R2, R4, R5	3							
	464R		R3	1							
	5k36R		R6	1							
	22.1R		R7	1							
	52k3R		R8	1							
	10R		R9	1							
	1k4R		R10	1							
	19k6R		R11	1							
	1.05R		R12	1							
	6k19R		R13	1							
	10kR		Rpd	1							
	CI-60	CL Series 10 Ohm ± 25 % 5 A Radial Uninsulated Leads Thermistor Disc	RT1	1				Mouser			
	NTCG104BF683JT1X	Thermistor	RT2	1							
	750312495	Transformer	T1	1							
	CD-MBL206SL	DIO BR VRRM 600V 2A MBLS / Tape & Reel - 13" reel RoHS Compliant: Yes	U1	1				Mouser			
	UCC28701DBVT	Integrated Circuit	U2	1							