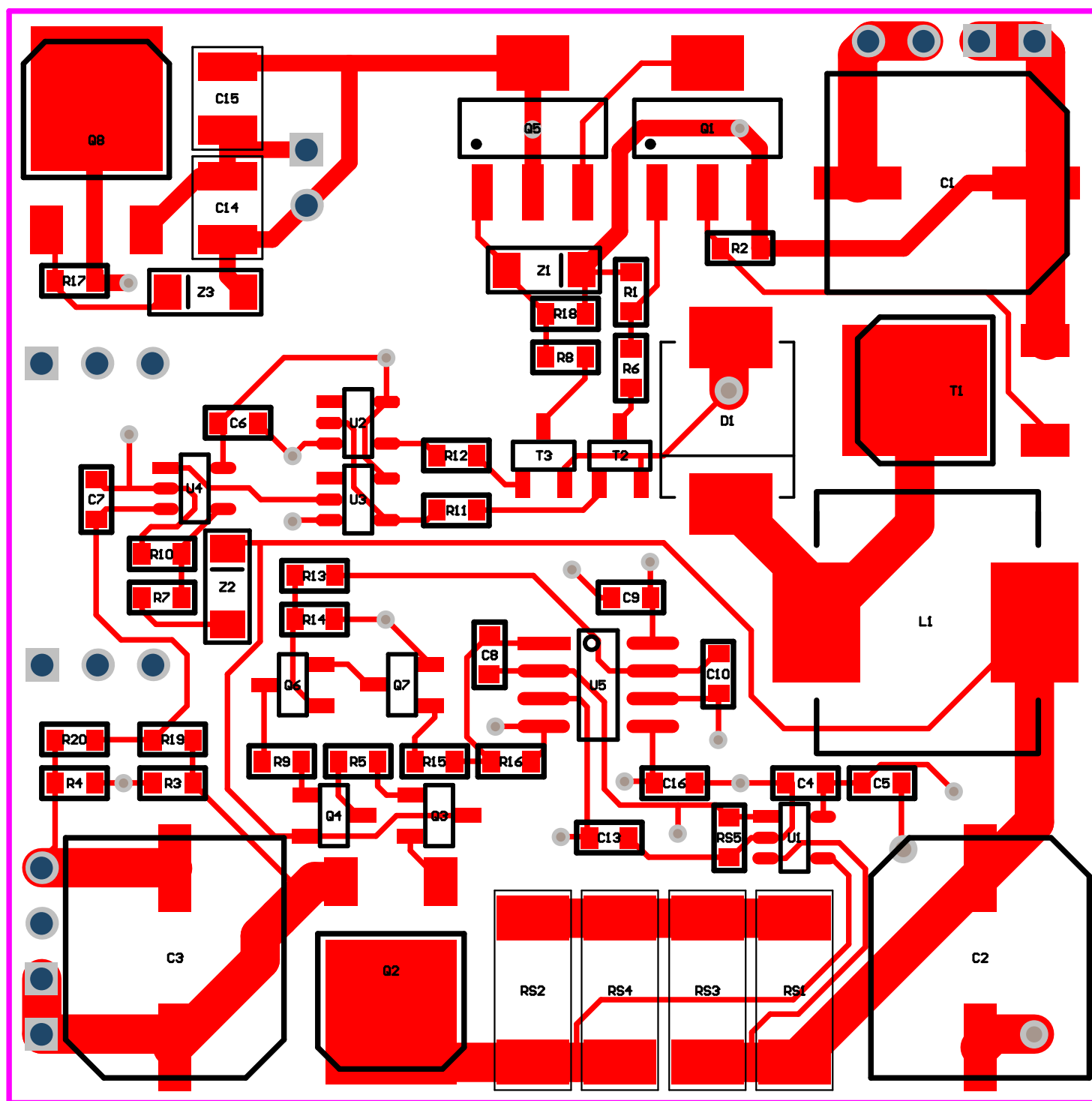
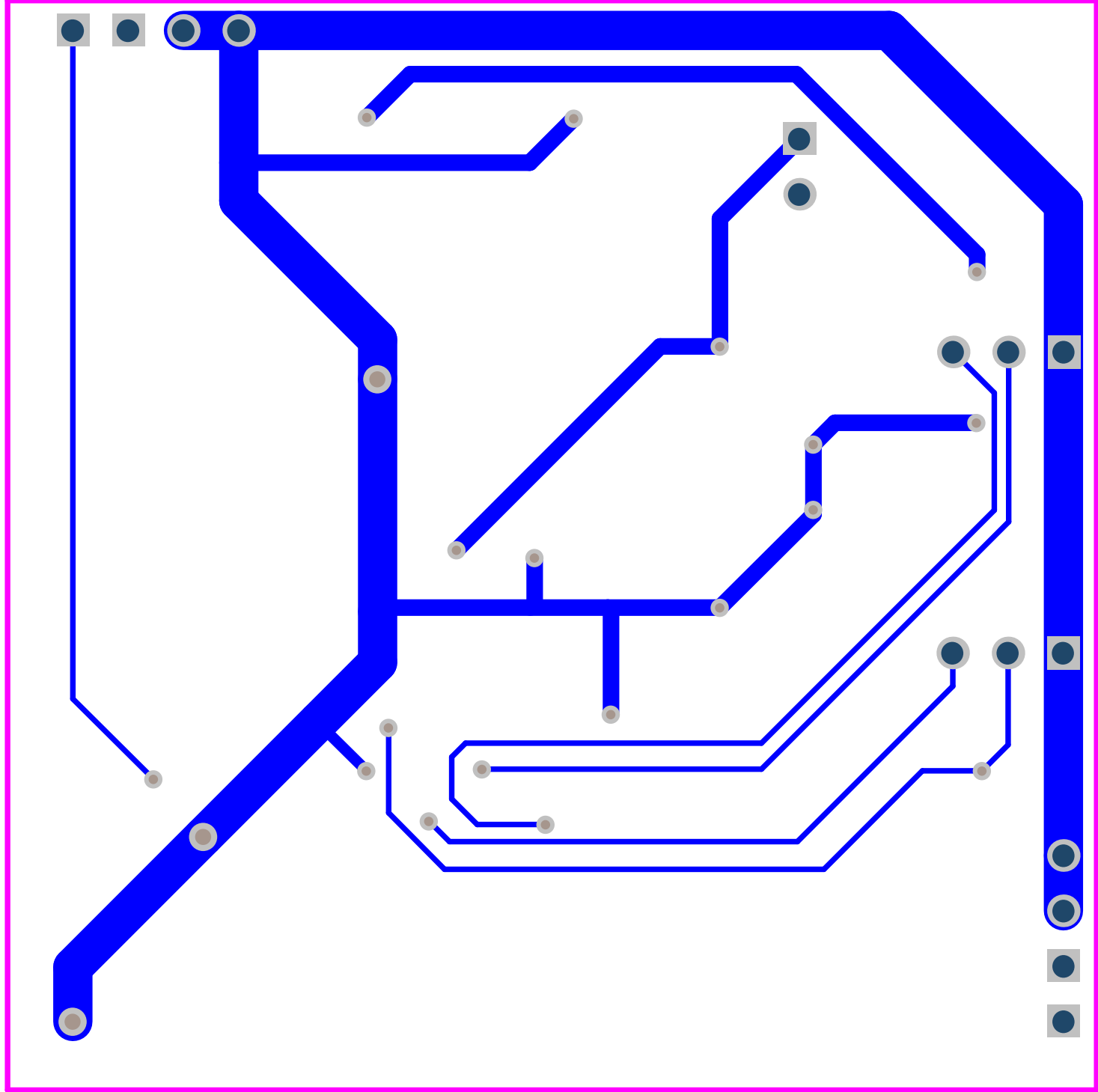
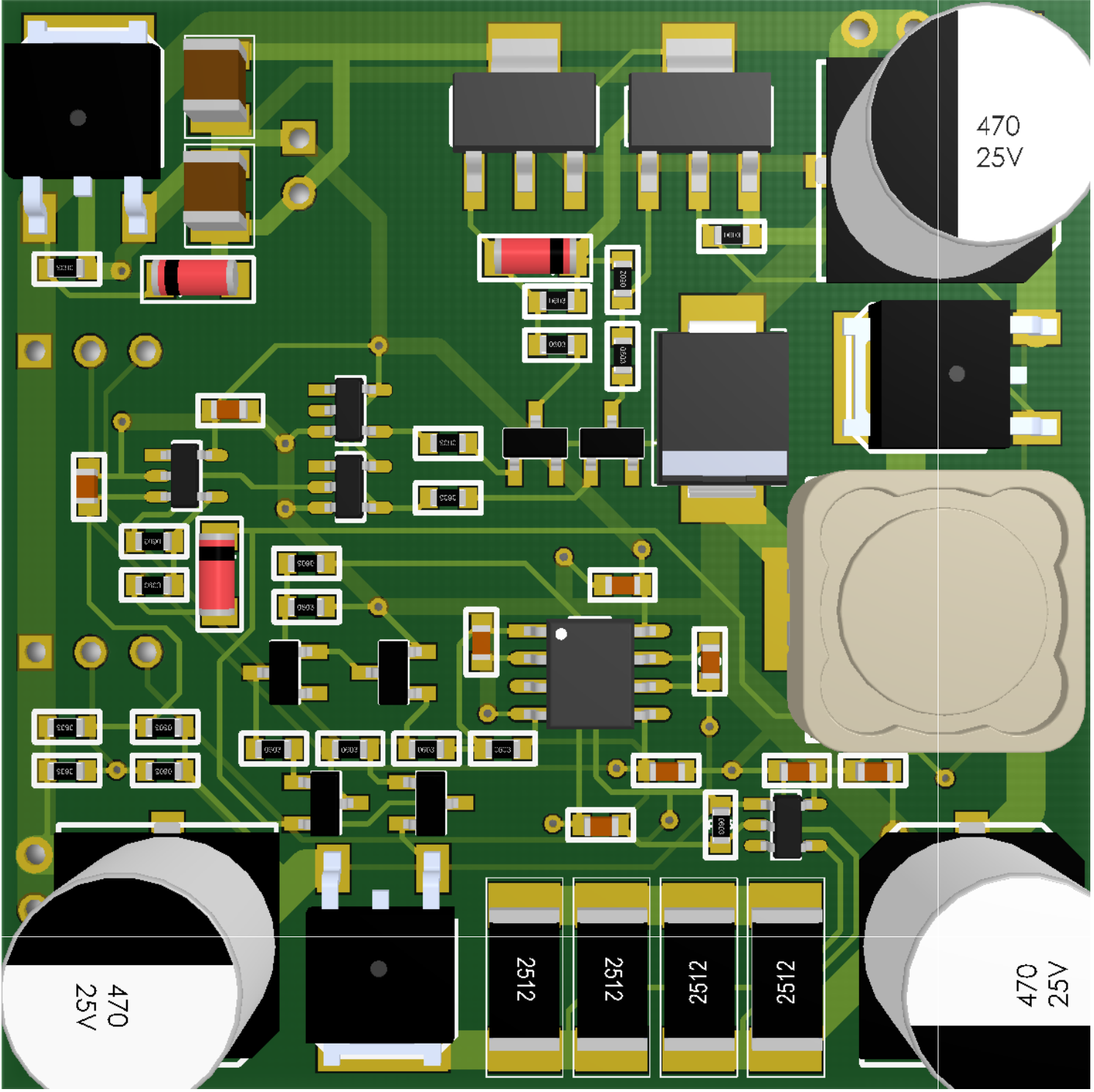
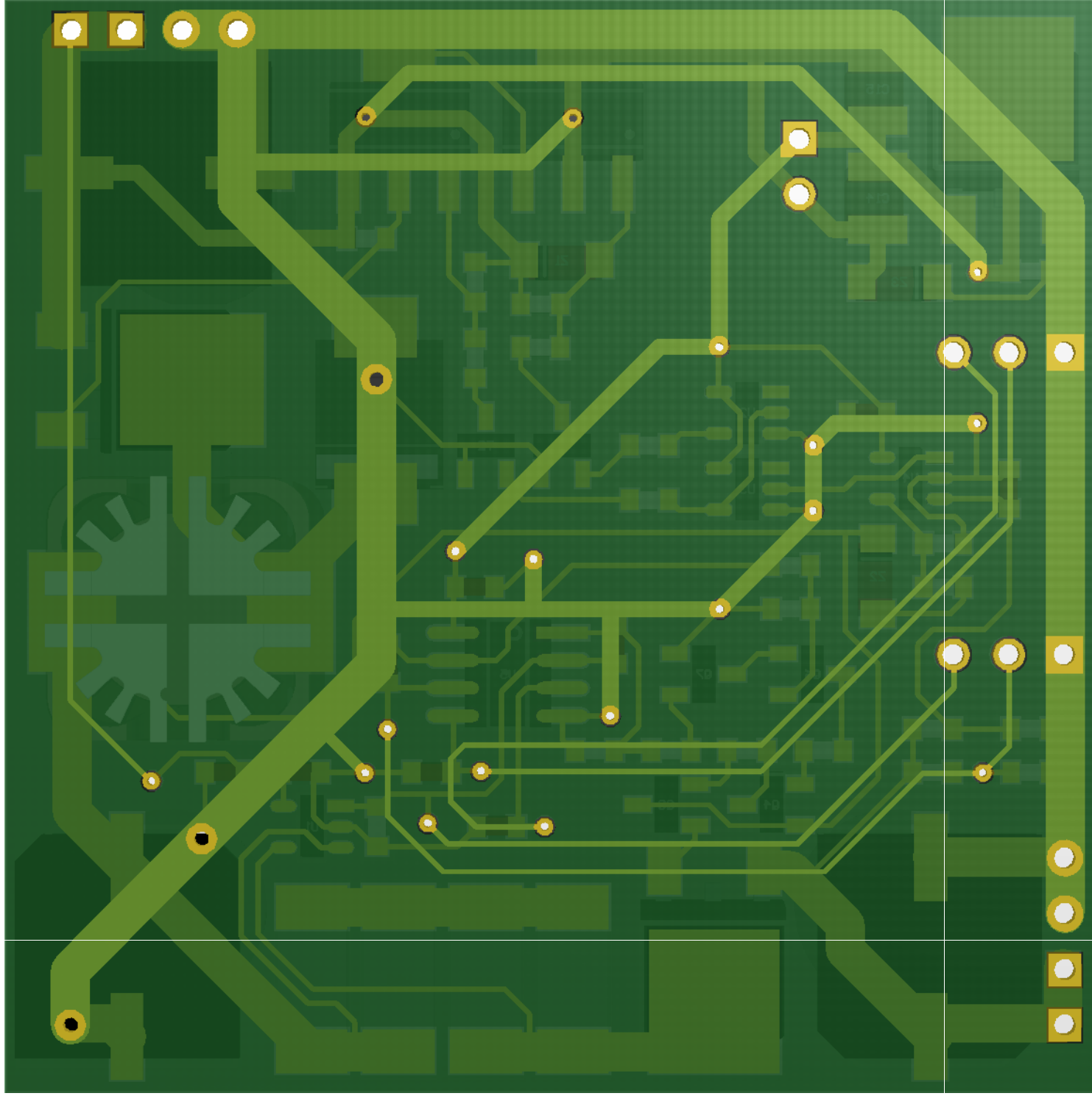


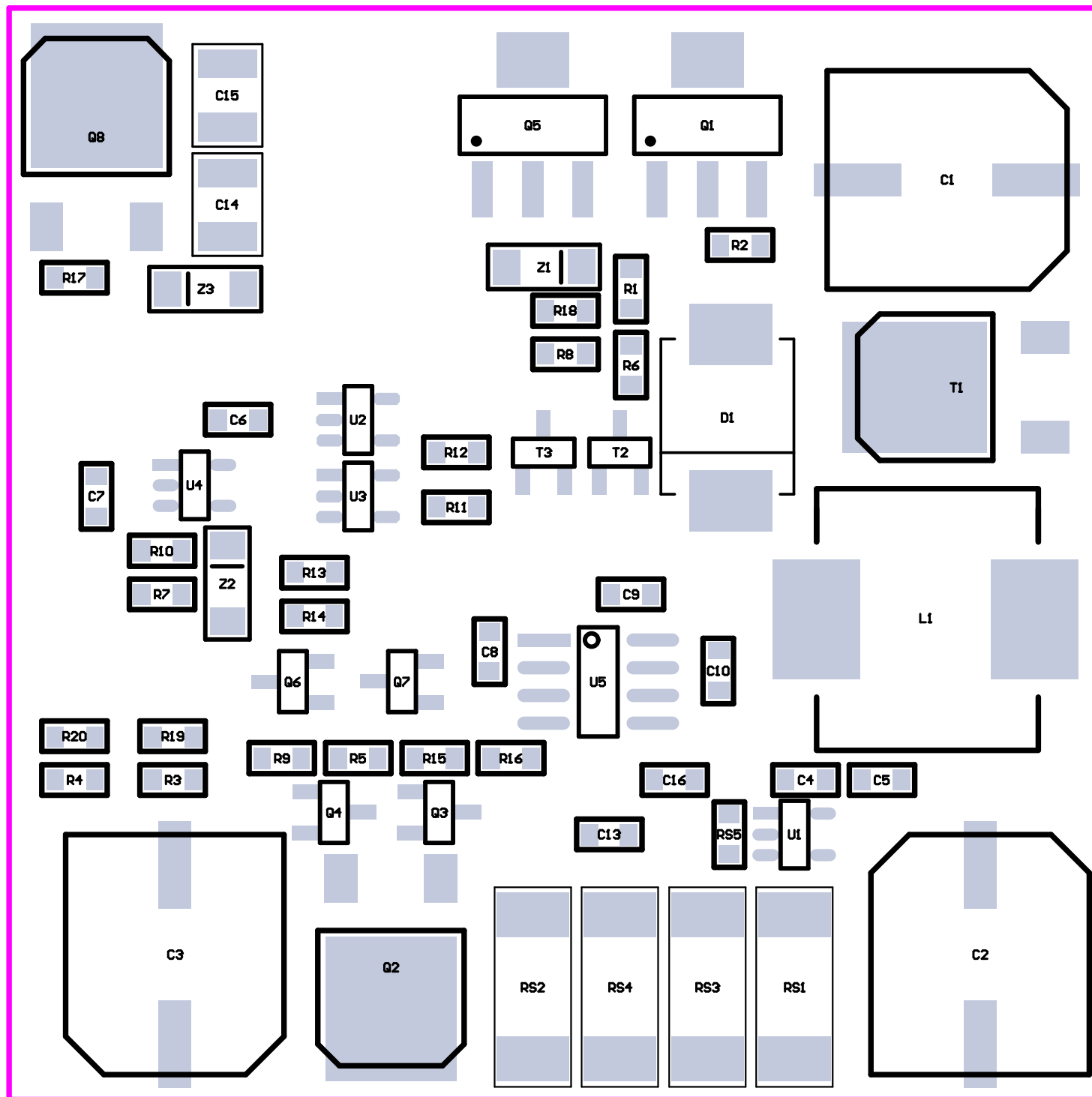
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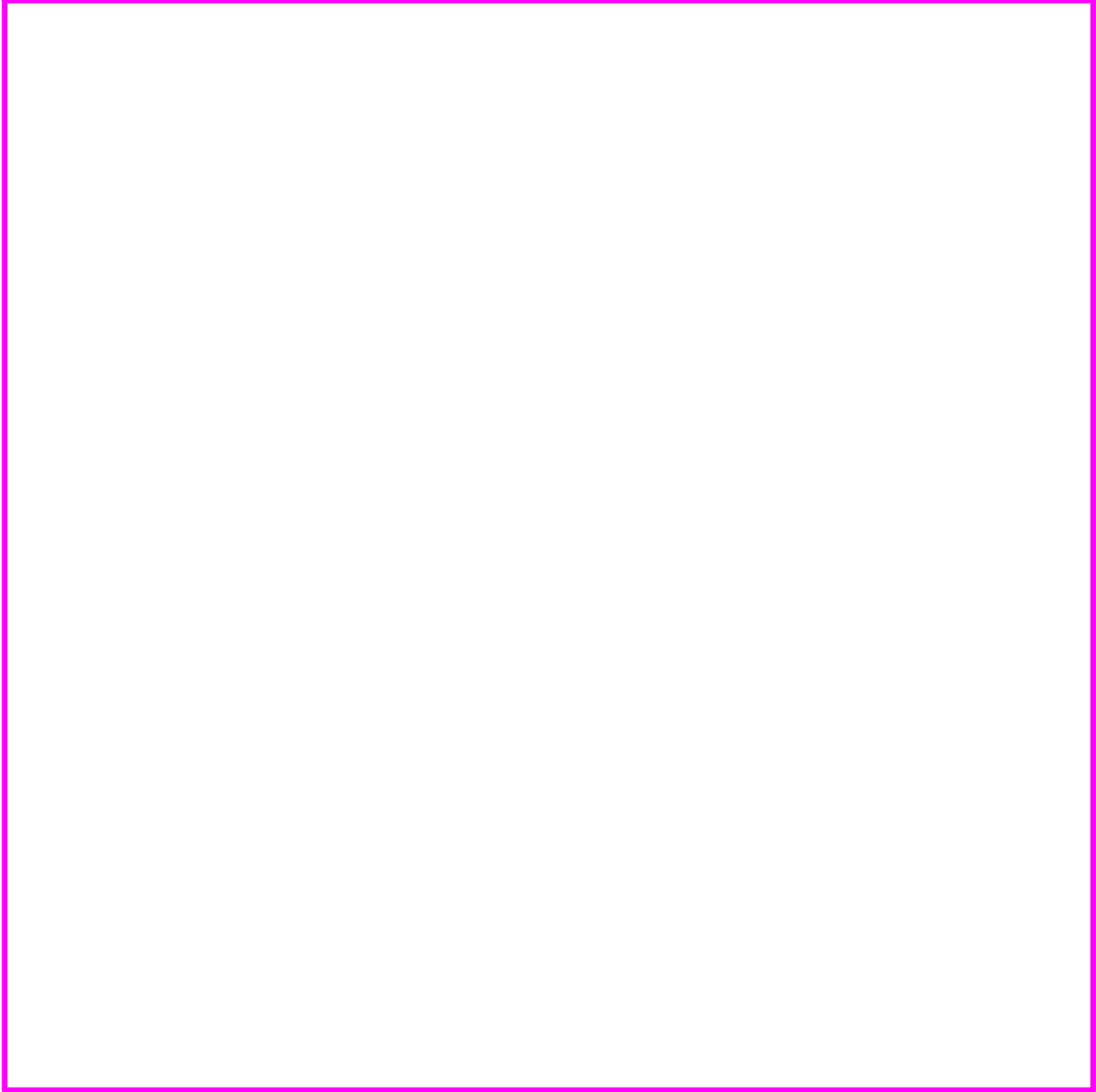












Comment	Description	Designator	Footprint	LibRef	Order info	Quantity
220uF 50V	Polarized Capacitor (Radial)	C1, C2, C3	CAP_ALU_ELKO_10 D_10,5H	Cap Pol1	ENDRICH: SUNCON 50CE200LX VAGY http://hu.mouser.com/ProductDetail/Panasonic/EEE-1HA221UAP/?qs=sGAEpIMZZMz1n09vR22YCGM9egYVUqayaHvZYsZs%3d	3
100nF	Capacitor	C4, C6, C7, C8, C9, C13, C16	FP_0603_CAP_080	Cap	82-06-23	7
1uF	Capacitor	C5	FP_0603_CAP_080	CAP	82-08-08	1
470nF	Capacitor	C10	FP_0603_CAP_080	Cap	82-06-04	1
22uF	Capacitor	C14, C15	FP_1210_CAP_N	CAP	http://hu.mouser.com/ProductDetail/Taiyo-Yuden/TMK325BJ226MM-T/?qs=sGAEpIMZZMs0AnBnWHyRQAEIN63SS%2fOXJMNv50DxMA%3d	2
SS36	PNP General-purpose Transistor PMEG3020EJ.115-SCHOTTKY RECT 30V 2A SOD323F	D1	DIODE_SMC	SCHOTTKY	Lomex 83-02-57	1
22uH	Inductor	L1	SRR1206_T	Inductor	http://hu.mouser.com/ProductDetail/Bourns/SRR1206-220ML/?qs=%2fha2pyFaduigu6ZK%252bLzLvDgDstPYUY1M5VPhFWzAkvtulk3zvMn%2fhw%3d%3d VAGY http://hu.mouser.com/ProductDetail/Bourns/SRR1206-220ML/?qs=%2fha2pyFaduigu6Z52b29Yowv%252bGaK%2fP38%252bCV%2fSQKhgBwEYVXS%2fY9cCgS0A%3d%3d	1
BCP53-16	PNP General-purpose Transistor	Q1, Q5	TR_SOT223	PNP	86-04-75	2
MJD122G	NPN General-purpose Transistor	Q2, Q8	TR_D-PAK	NPN	86-01-08	2
MMBT42LT1G	NPN General-purpose Transistor	Q3, Q6, Q7	TR_SOT23	NPN	86-00-32	3
MMBT492LT1G	PNP General-purpose Transistor	Q4	TR_SOT23	PNP	86-00-50	1
1K	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R18, R19, R20	FP_0603_RES	RES	80-11-59	19
100K	Resistor	R17	FP_0603_RES	Res3	80-11-40	1
0.2R	Resistor	RS1, RS2, RS3, RS4	FP_2512_RES	Res3	http://hu.mouser.com/ProductDetail/Vishay/WSL2512R2000FTB/?qs=%2fha2pyFaduOCWNBhuNle4ps0DITKAZA5K%252bPvAoGZ8%3d	4
20K	Resistor	RS5	FP_0603_RES	Res3	81-14-96	1
NTD20P06LG		T1	FET_D-PAK	PMOS	86-01-58	1
PMBF170		T2, T3	FET_SOT23	NMOS	Lomex 86-01-96	2
INA168	SCHMITT TRIGGER INVERTER	U1	ANALOG_SOT23-5	INA168	http://hu.mouser.com/_/?Keyword=INA168NA%2fF3K	1
74AHC1G14		U2, U3	GATE_SOT23-5	74AHC1G14		2
MCP6001T		U4	ANALOG_SOT23-5	MCP6001	http://hu.mouser.com/ProductDetail/Microchip/MCP6001T-OT/?qs=%2fha2pyFaduMAY%252b1pztgUPOcnwVNu3OEdqsO%2fGAmfqn6KTUaxRLyA%3d%3d	1
LM358	Low power dual operational amplifiers	U5	FP_SO8_MS012AA	LM358	89-00-07	1
18V	Zener Diode	Z1	SOD-80	ZENER	85-00-16	1
3.6V	Zener Diode	Z2	SOD-80	ZENER	85-00-76	1
5V1	Zener Diode	Z3	SOD-80	ZENER	85-00-15	1