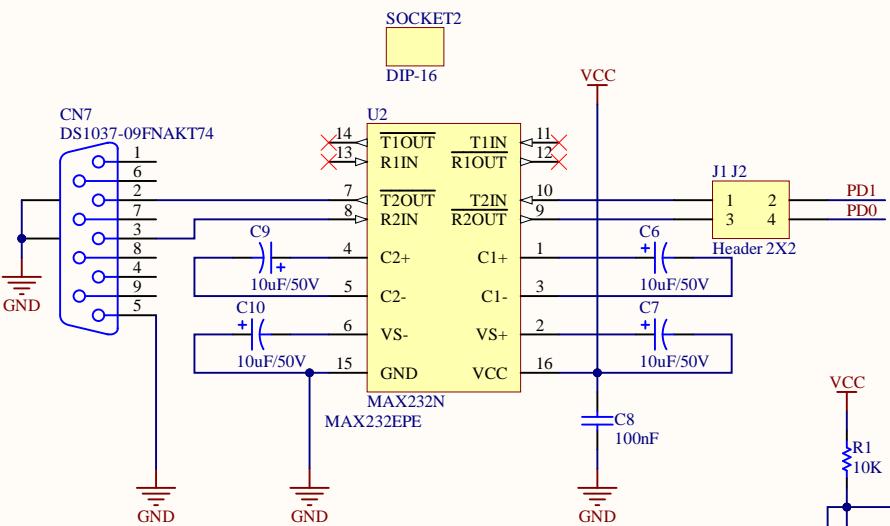
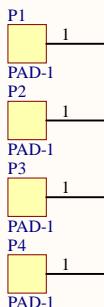


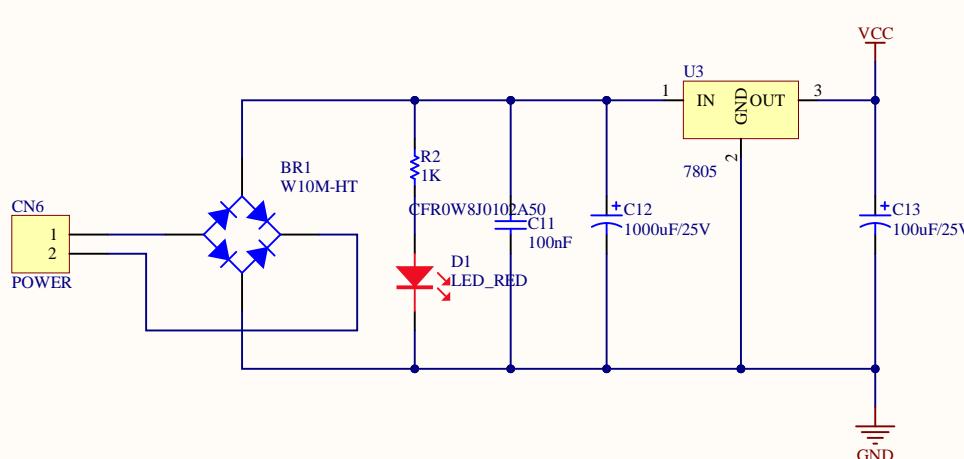
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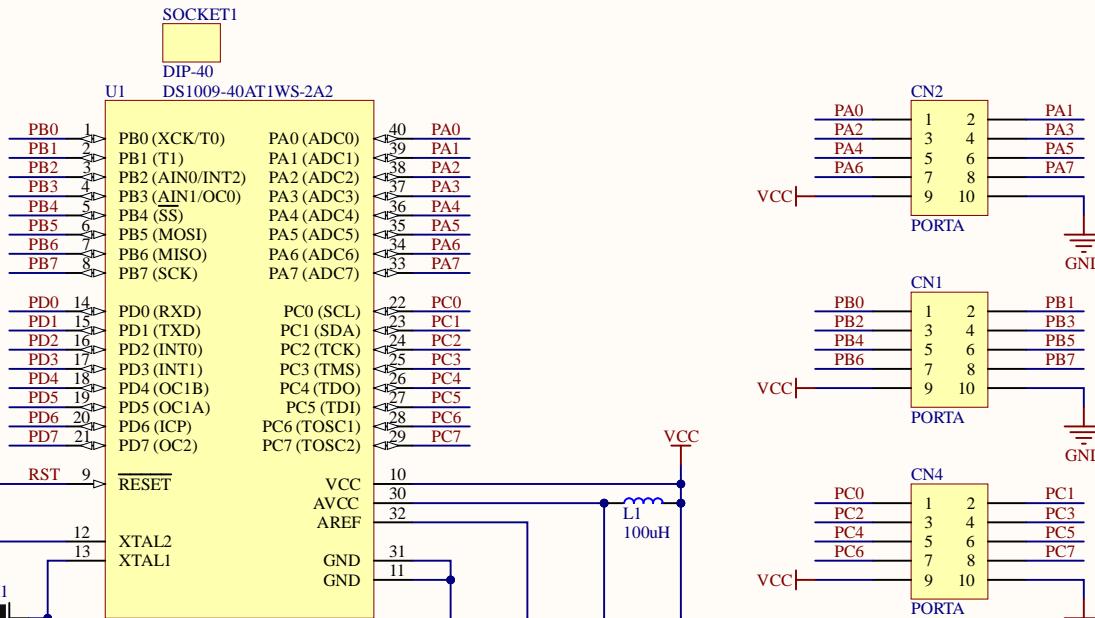
B



C



D



Title

Size  
A4

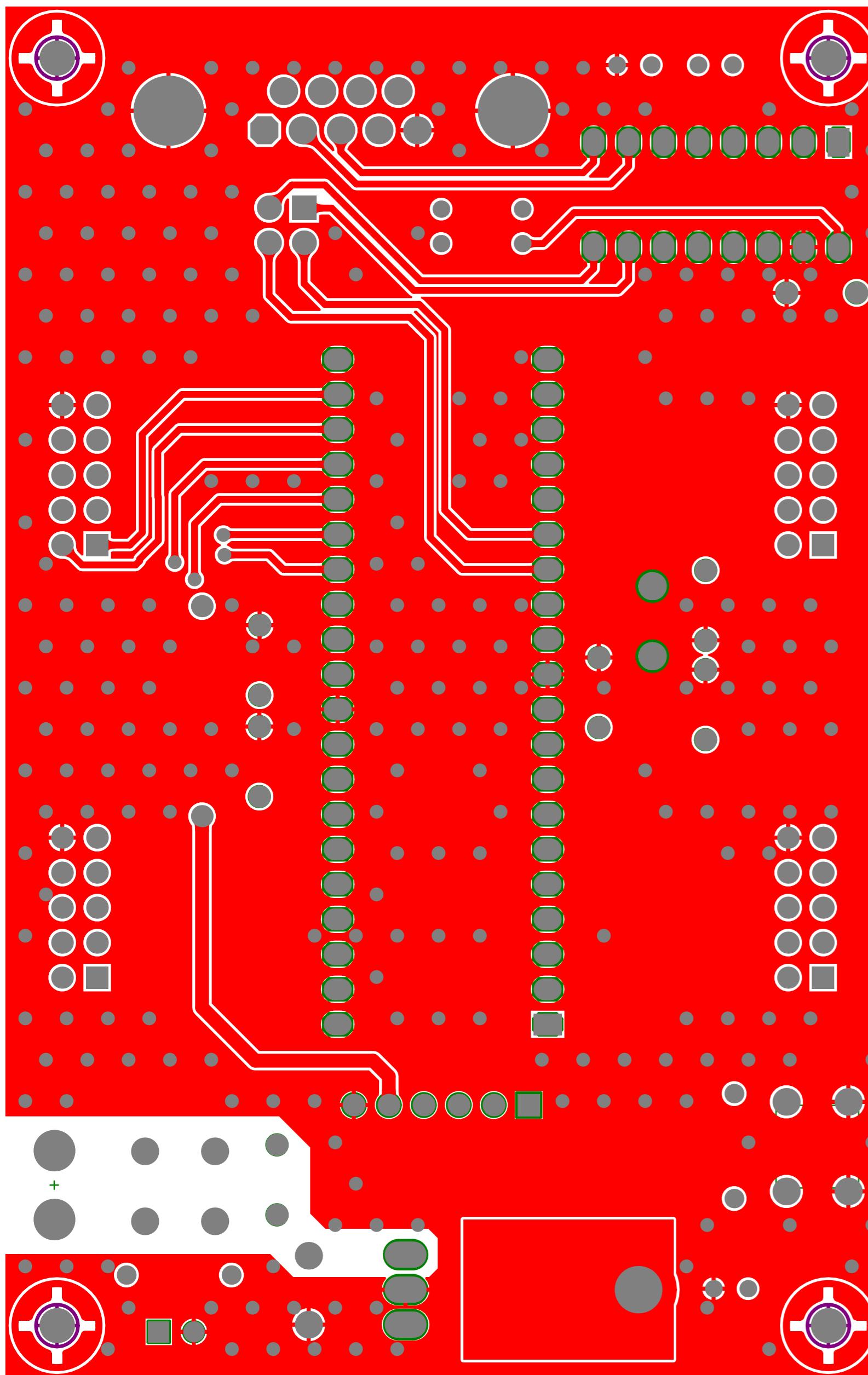
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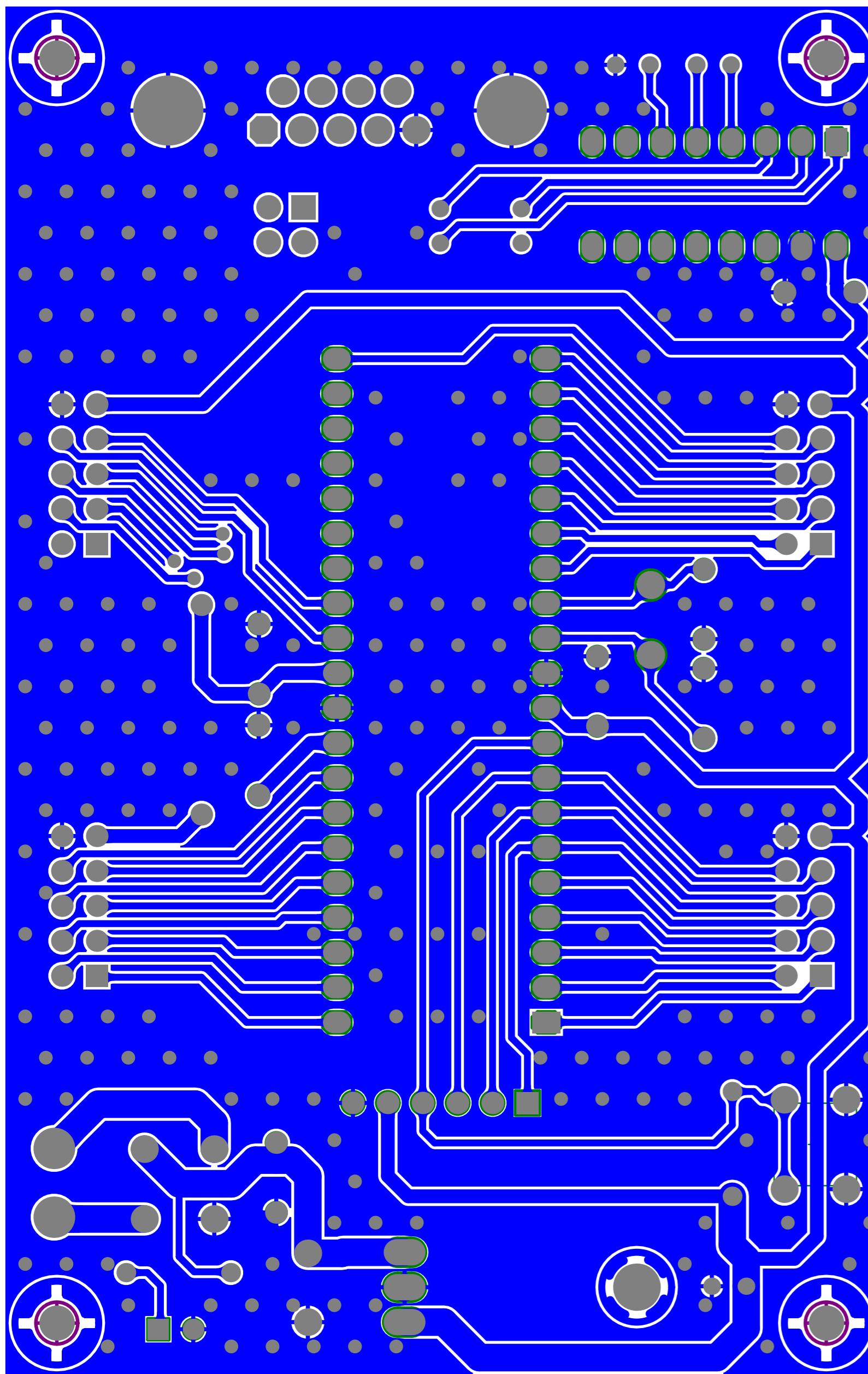
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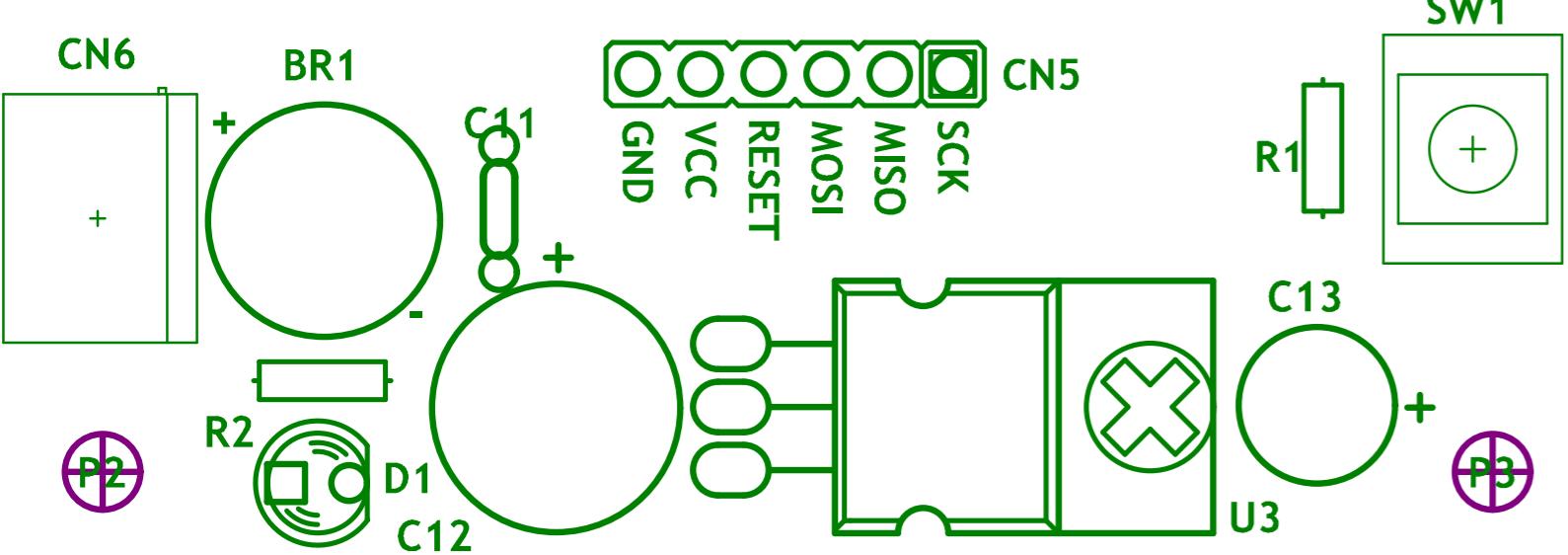
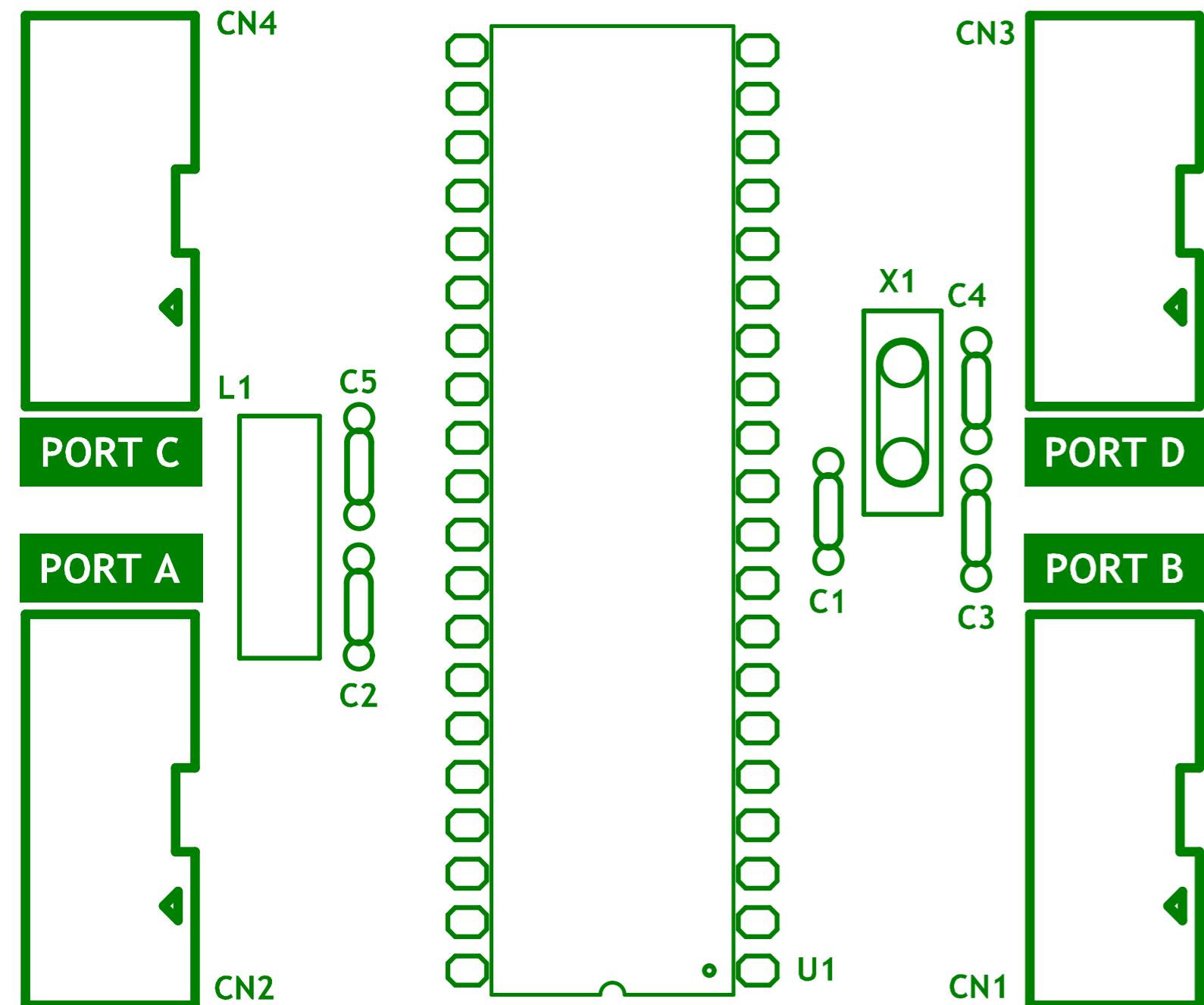
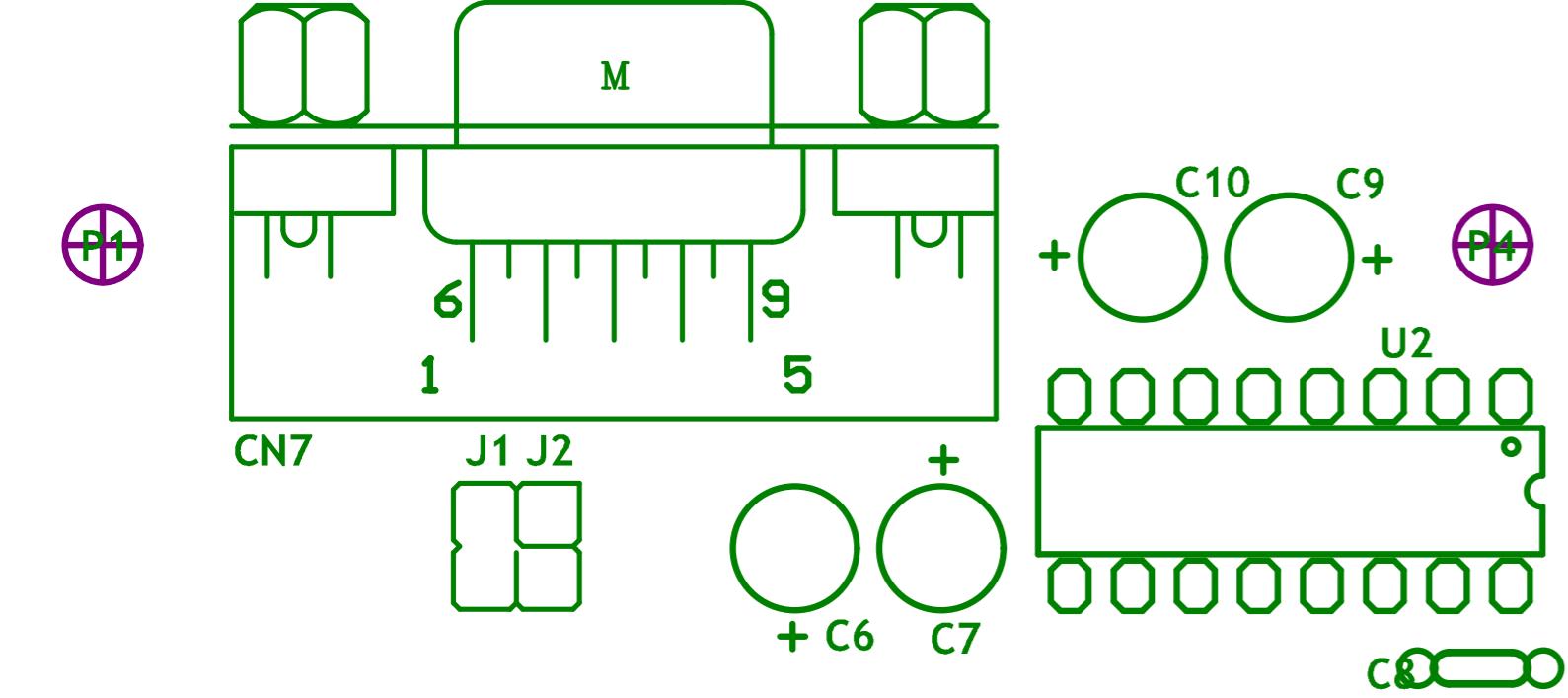
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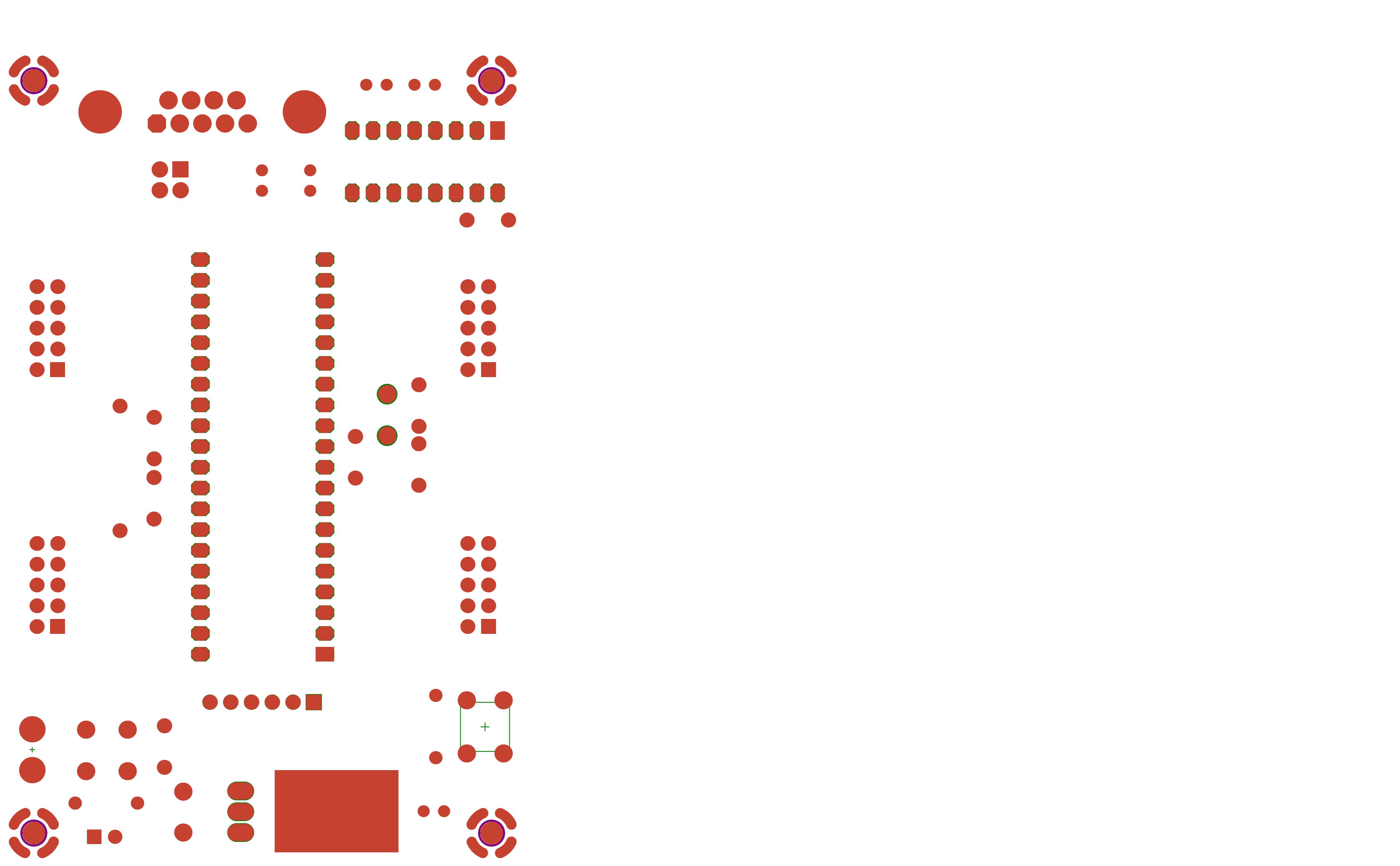
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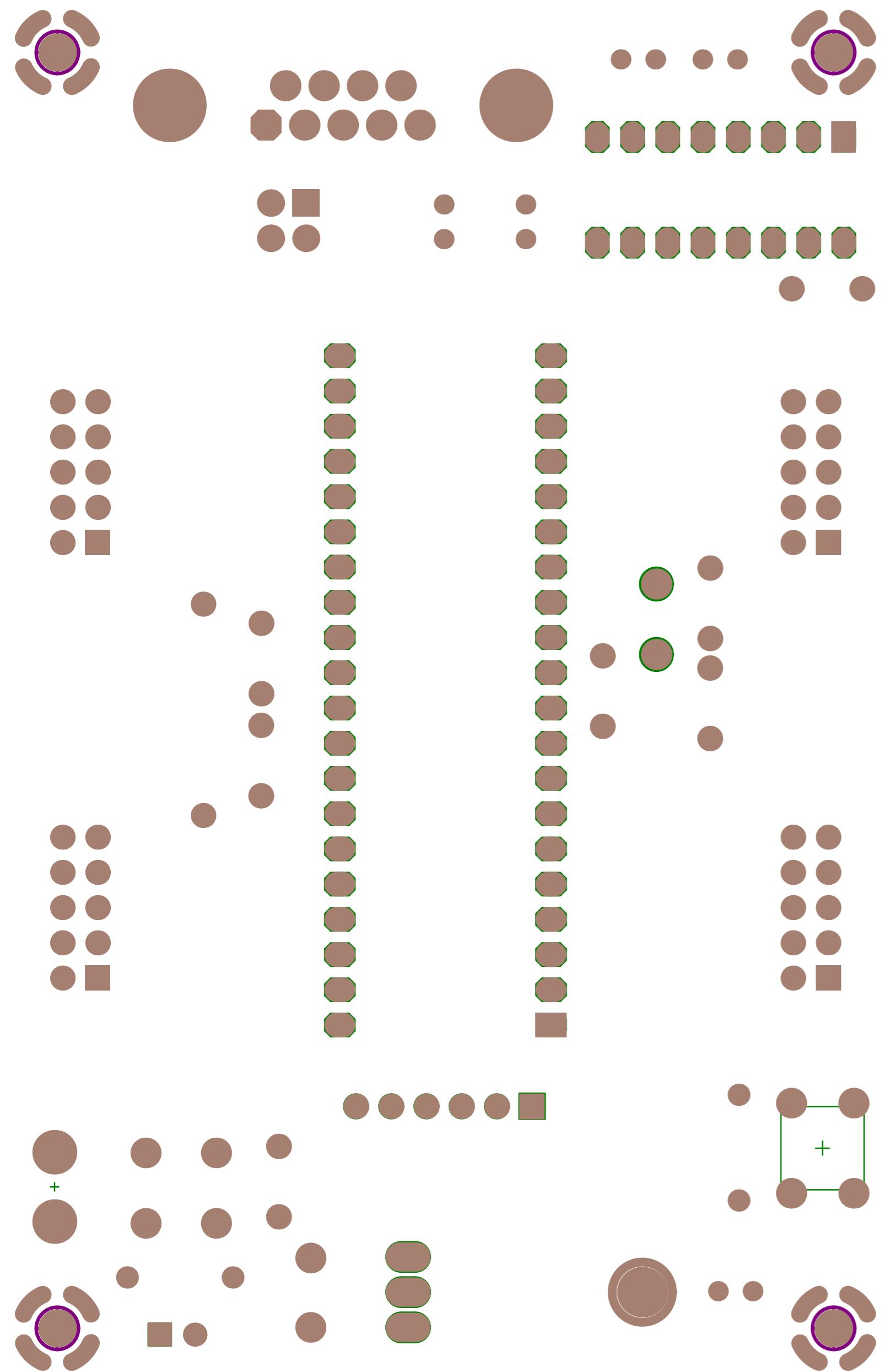
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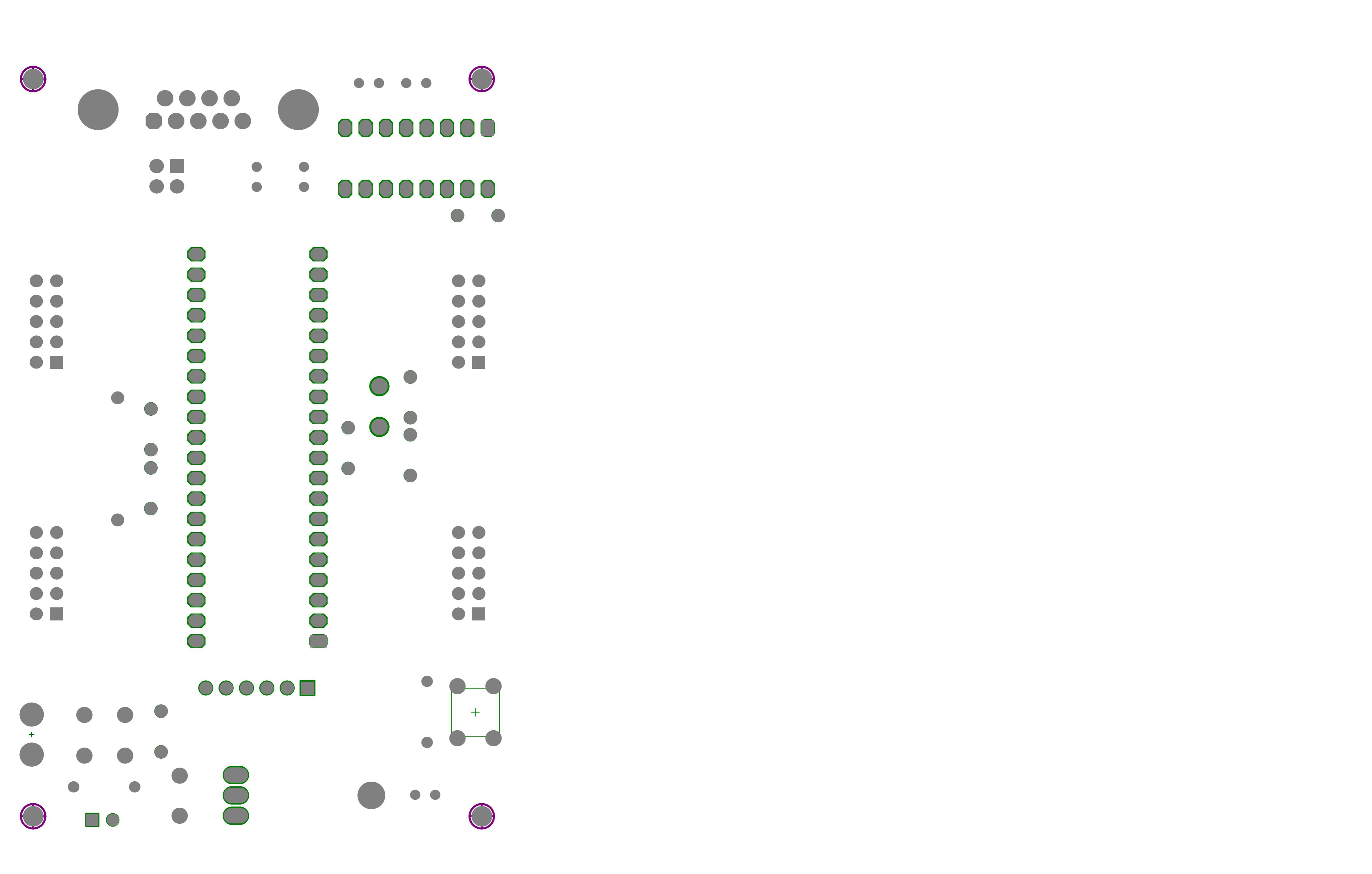


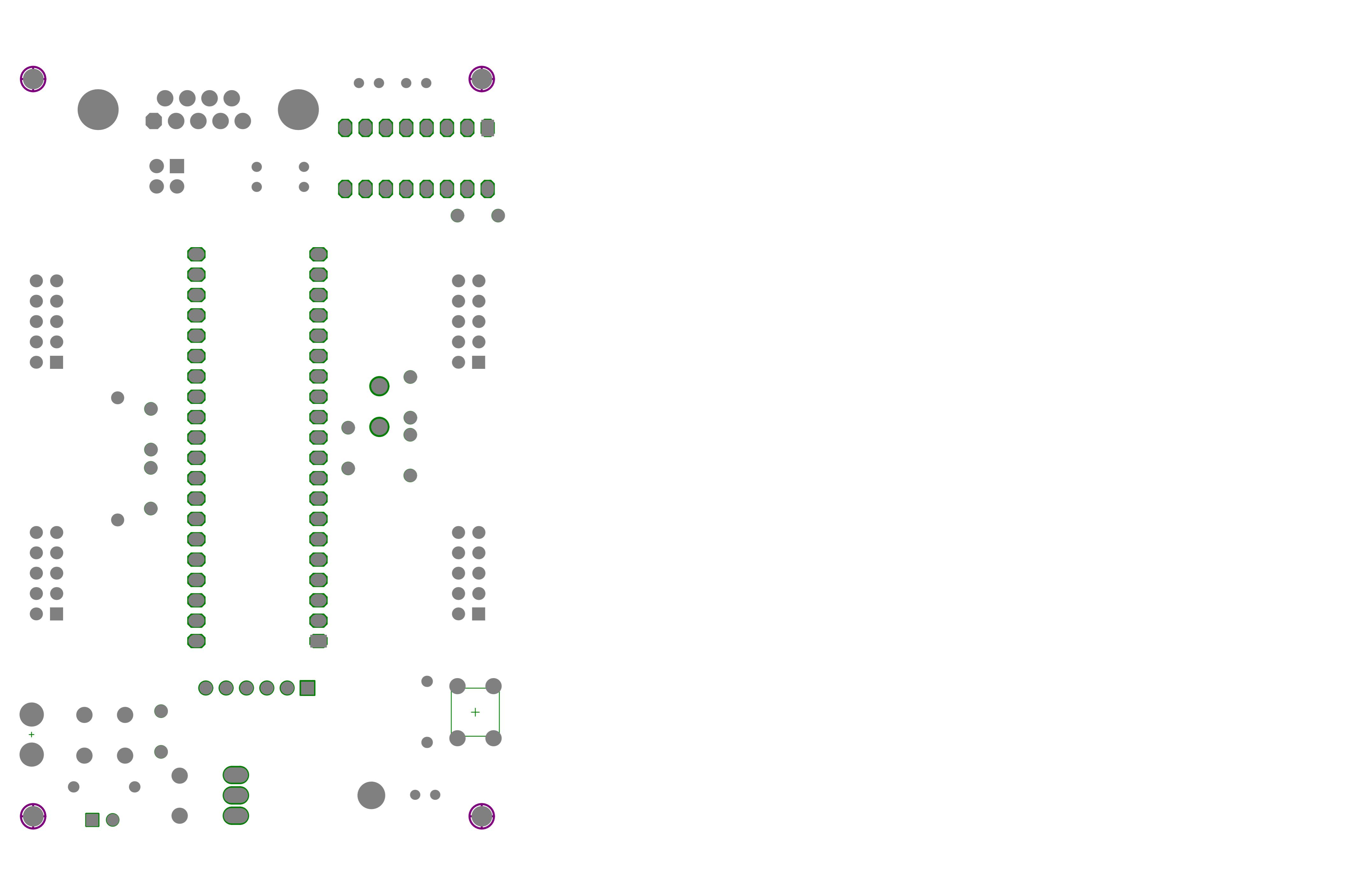


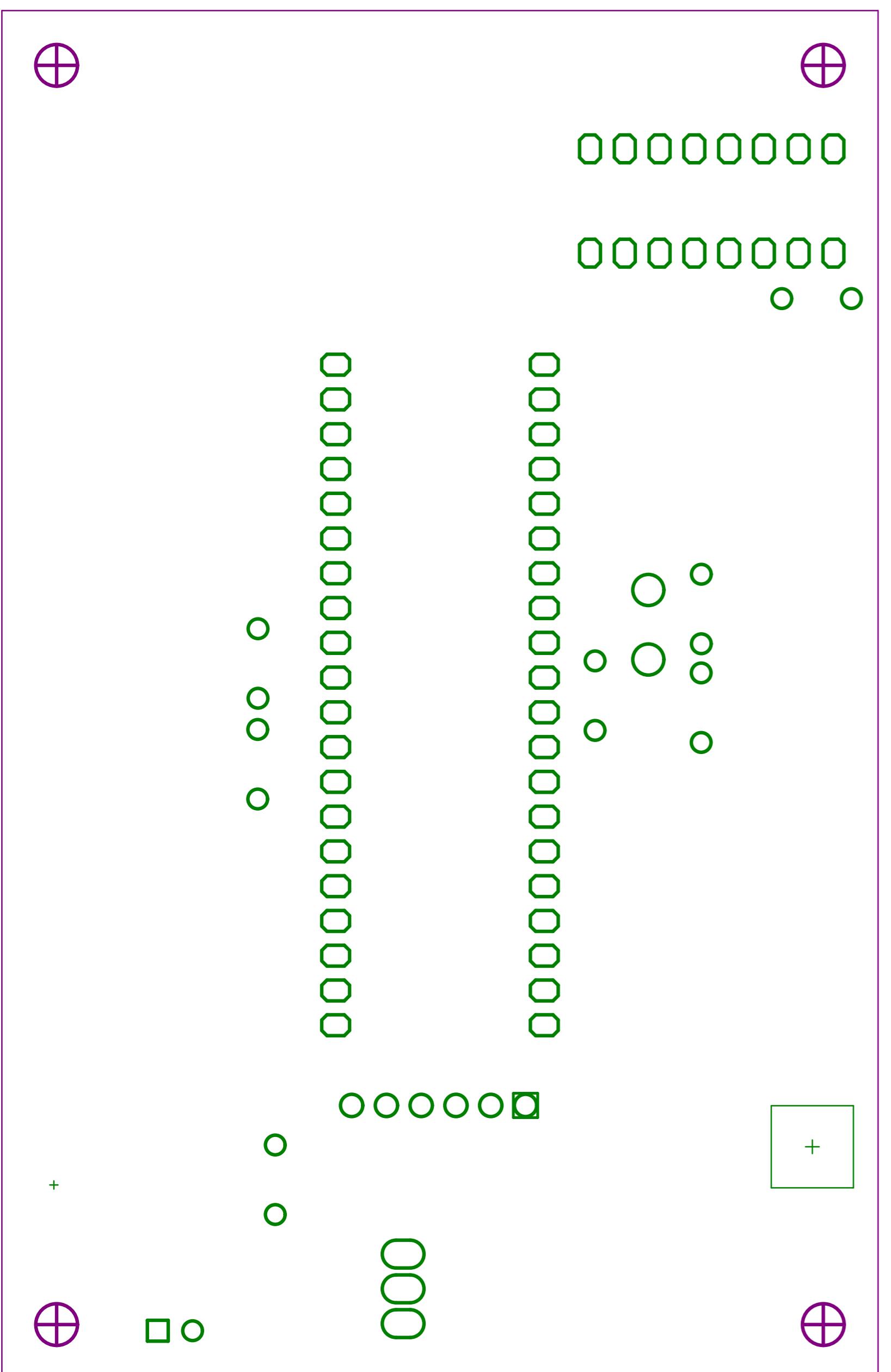


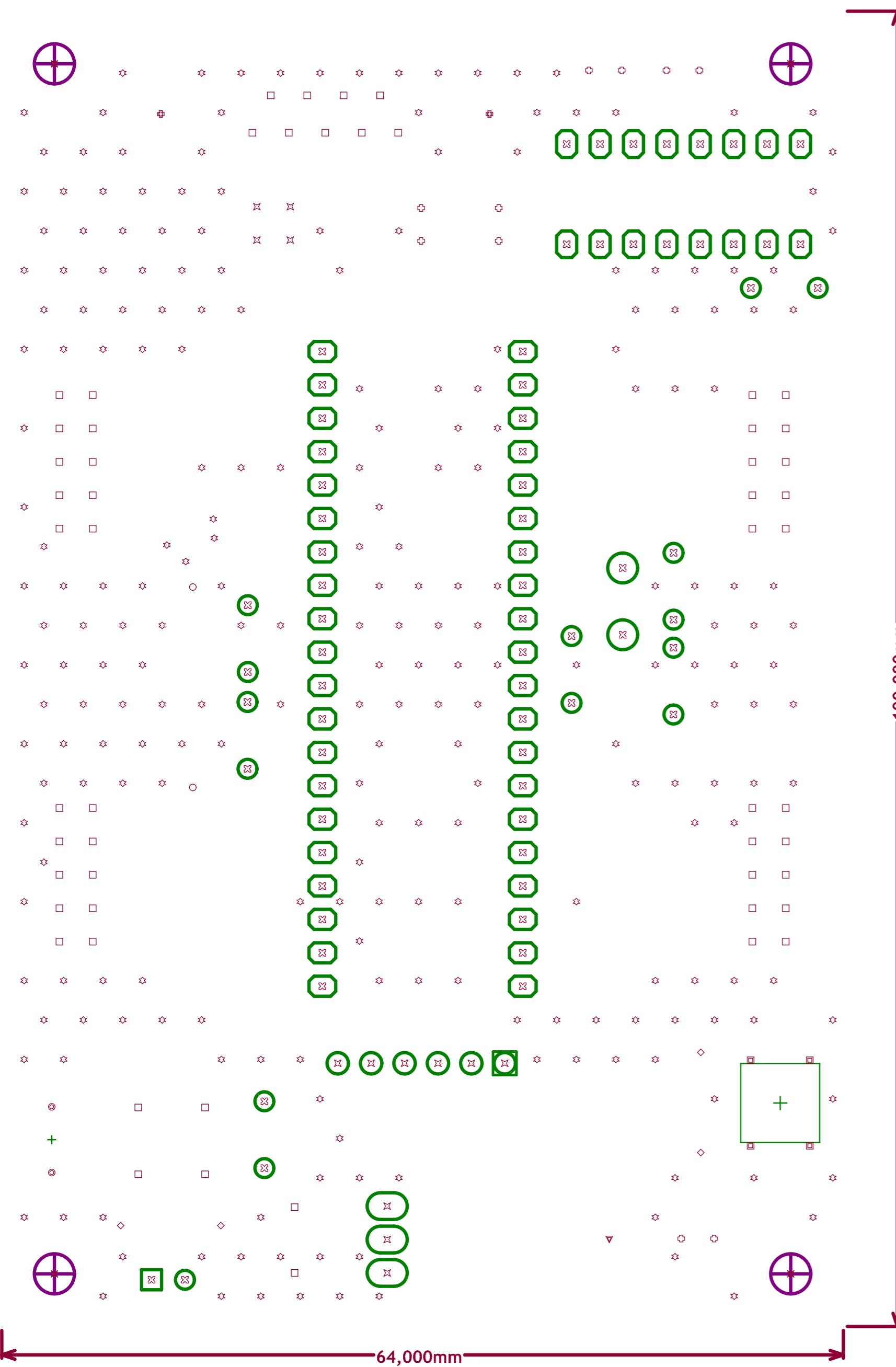








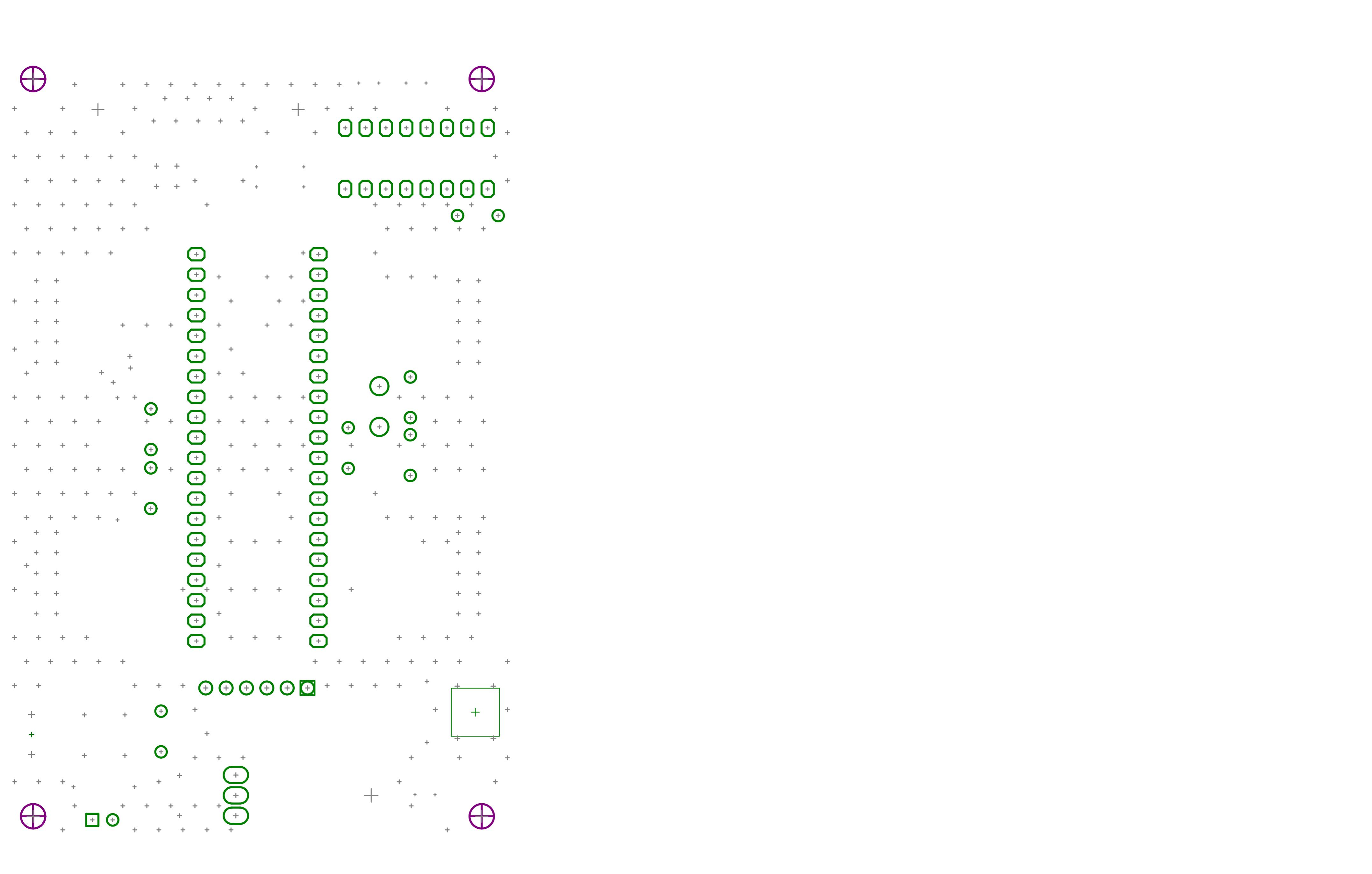




Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0,010mm	3.5	
1	Top Layer		0,036mm		
	Dielectric 1	FR-4	1,500mm	4.8	
2	Bottom Layer		0,036mm		
	Bottom Solder	Solder Resist	0,010mm	3.5	
	Bottom Overlay				

Total board thickness: 1,591mm

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template
▼	1	3,378mm (133,00mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c343h338
○	2	0,800mm (31,50mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c160h80
●	2	1,500mm (59,06mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c300h150
✚	2	3,006mm (118,33mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c508h301
◊	4	0,850mm (33,47mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c140h85
■	4	1,200mm (47,24mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c200h120
✗	4	3,048mm (120,00mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c254h305
✚	10	0,600mm (23,62mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c125h60
✗	13	1,118mm (44,00mil)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)
□	55	1,000mm (39,37mil)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)
✗	74	0,914mm (36,00mil)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)
✳	248	0,500mm (19,69mil)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	v100h50m0mx0
419 Total								



Comment	Description	Designator	Footprint	Ozdisan Kodu	Quantity
W10M-HT	Full Wave Diode Bridge	BR1	DIODE-WOB	W10M-HT	1
100nF	Capacitor	C1, C2, C5, C8, C11	CAP0.2N	MKT0805B104K10 1PF3R	5
22pF	Capacitor	C3, C4	CAP0.2N	MKT0805N220J50 0PF3R	2
10uF/50V	Polarized Capacitor	C6, C7, C9, C10	CAP_ALUM_5x11x2.5 _V	PKR1- 050V100MC110- T2.5	4
1000uF/25V	Polarized Capacitor	C12	CAP_ALUM_10x17x5 _V	PKLH- 025V102MG170- T/A5.07	1
100uF/25V	Polarized Capacitor	C13	CAP_ALUM_6.3x11.2x 2.5_V	PKR1- 025V101ME110- T/A5.0	1
PORTA	Header, 5-Pin, Dual row, Right Angle	CN1, CN2, CN3, CN4	CON-DS1013-10SSIB1	DS1013-10SSIB1	4
AVR ISP	Header, 6-Pin	CN5	Pin Header S/M 06x1 TH Pitch 2.54mm	DK501-1X6SBT- 3X13MM	1
POWER	Header, 2-Pin	CN6	Klemens-DG126-5.0- 02P-14-00AH	DG126-5.0-02P-14- 00AH	1
DS1037-09FNAKT74	CONNECTOR DSUB 9PIN 90C PCB TYPE FEMALE	CN7	CON-DB9FLW	DS1037- 09FNAKT74	1
LED_RED		D1	LED3M-RED	3R4UD-8	1
Header 2X2	Header, 2-Pin, Dual row	J1 J2	Pin Header S/M 02x2 TH Pitch 2.54mm	L-KLS1-207-2-04-S	1
100uH	Inductor	L1	IND-AL0412	AL0412-101K-LF	1
10K	Resistor	R1	RES_AXIAL-0.3	CFROW4J0103A50	1
1K	Resistor	R2	RES_AXIAL-0.3	CFROW8J0102A50	1
DIP-40		SOCKET1		DS1009-40AT1WS- 2A2	1
DIP-16		SOCKET2		DS1009-16AT1NX- 2A2	1
RESET	Switch	SW1	Switch-6x6x4.3	DTS-61R-V	1
ATmega16	8-bit AVR Microcontroller, 4.5-5.5V	U1	DIP40N		1
MAX232N	Dual EIA-232 Driver / Receiver, 0 to 70 degC, 16-Pin PDIP (N), Pb-Free (RoHS)	U2	DIP16N	MAX232EPE	1
7805	IC REG LINEAR 5V 500MA DPAK	U3	TO-220_3-H	L7805CV-DG	1
8MHz	XTAL	X1	XTAL_DIP	AS-8.000-20-H35	1

