

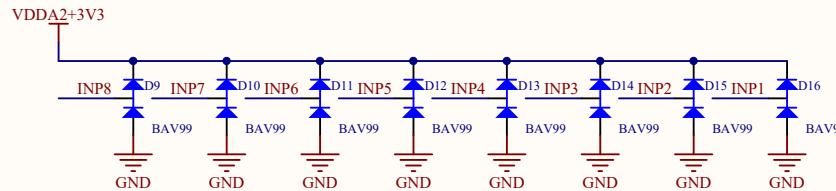
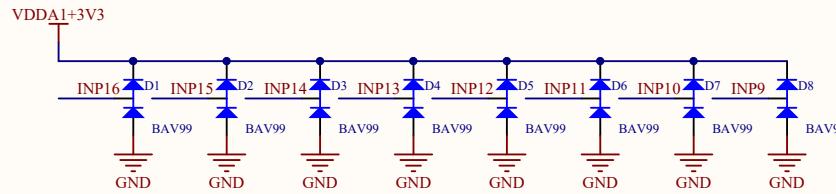
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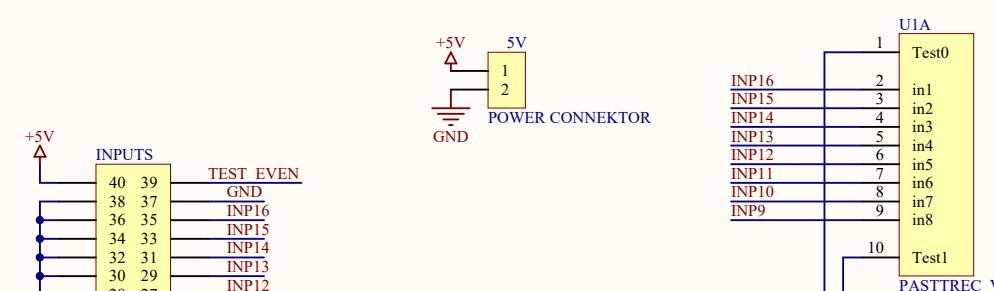
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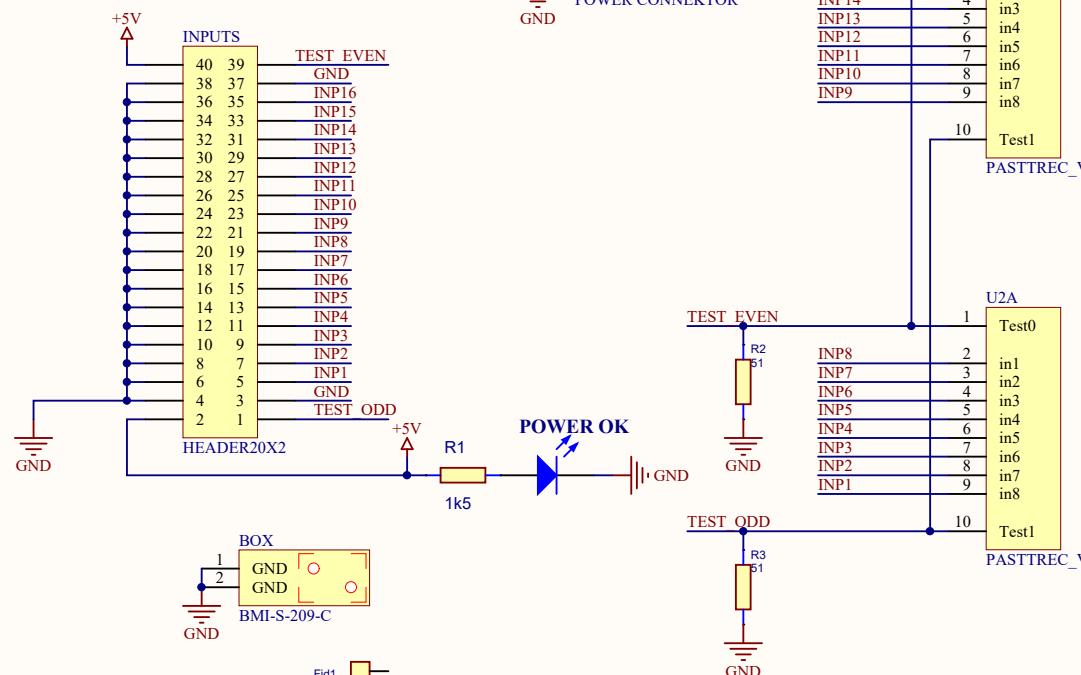
A



B



C



U1D

OUTD_P<0>	out1_0_N
OUTD_N<0>	out1_0_P
OUTD_P<1>	out1_1_N
OUTD_N<1>	out1_1_P
OUTD_P<2>	out1_2_N
OUTD_N<2>	out1_2_P
OUTD_P<3>	out1_3_N
OUTD_N<3>	out1_3_P
OUTD_P<4>	out1_4_N
OUTD_N<4>	out1_4_P
OUTD_P<5>	out1_5_N
OUTD_N<5>	out1_5_P
OUTD_P<6>	out1_6_N
OUTD_N<6>	out1_6_P
OUTD_P<7>	out1_7_N
OUTD_N<7>	out1_7_P

PASTTREC_V

DIGITAL OUTPUTS	
out1_0_P	out1_0_N
out1_1_P	out1_1_N
out1_2_P	out1_2_N
out1_3_P	out1_3_N
out1_4_P	out1_4_N
out1_5_P	out1_5_N
out1_6_P	out1_6_N
out1_7_P	out1_7_N
out2_0_P	out2_0_N
out2_1_P	out2_1_N
out2_2_P	out2_2_N
out2_3_P	out2_3_N
out2_4_P	out2_4_N
out2_5_P	out2_5_N
out2_6_P	out2_6_N
out2_7_P	out2_7_N
SDI_P	SDI_N
SDO_P	SDO_N
SCK_P	SCK_N
CS_P	CS_N

KEL8630E-080S-P_0.635mm

U2D

OUTD_P<0>	out2_0_N
OUTD_N<0>	out2_0_P
OUTD_P<1>	out2_1_N
OUTD_N<1>	out2_1_P
OUTD_P<2>	out2_2_N
OUTD_N<2>	out2_2_P
OUTD_P<3>	out2_3_N
OUTD_N<3>	out2_3_P
OUTD_P<4>	out2_4_N
OUTD_N<4>	out2_4_P
OUTD_P<5>	out2_5_N
OUTD_N<5>	out2_5_P
OUTD_P<6>	out2_6_N
OUTD_N<6>	out2_6_P
OUTD_P<7>	out2_7_N
OUTD_N<7>	out2_7_P

PASTTREC_V

Title

Size

A4

Number

Revision

Date: 2017-09-22

Sheet of

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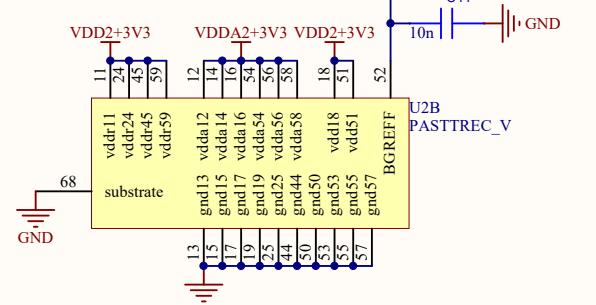
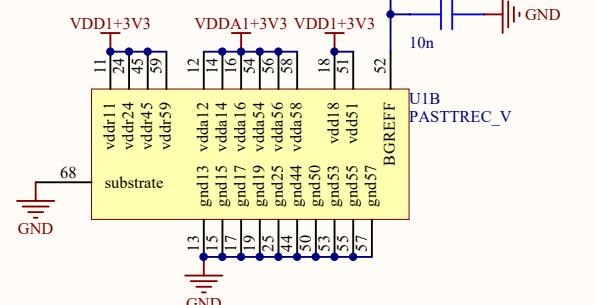
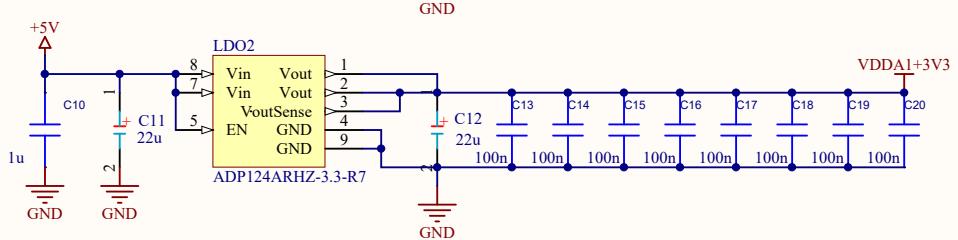
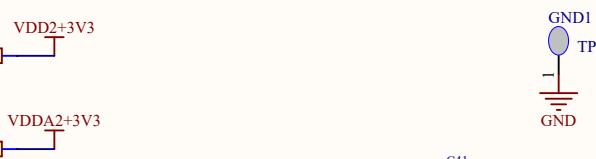
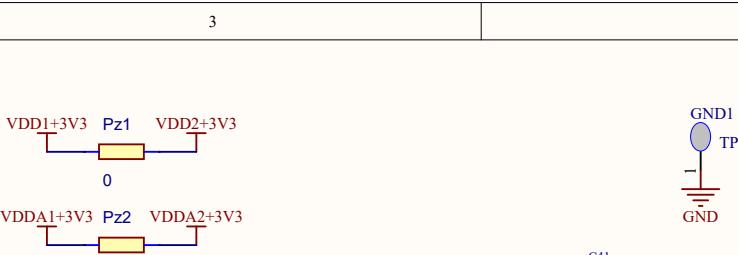
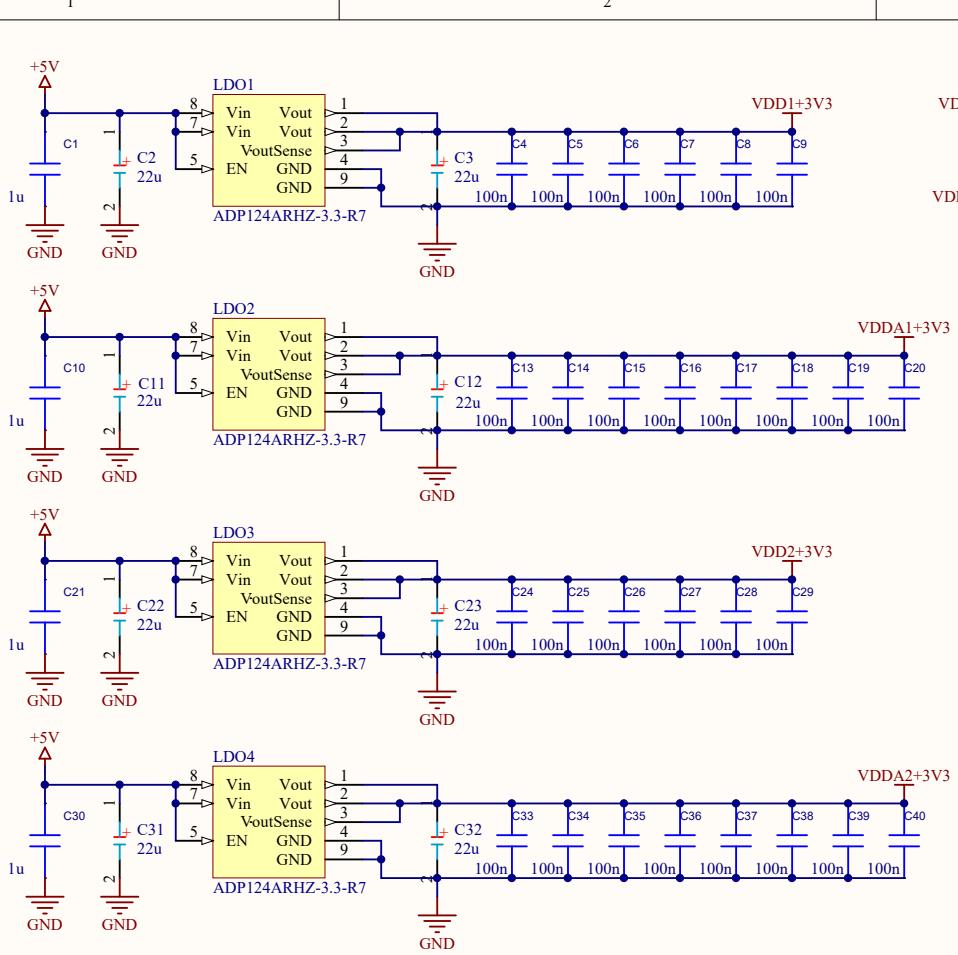
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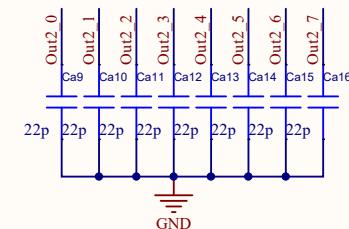
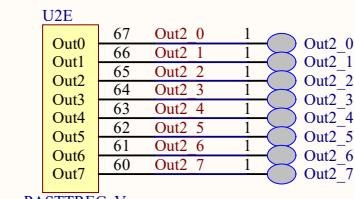
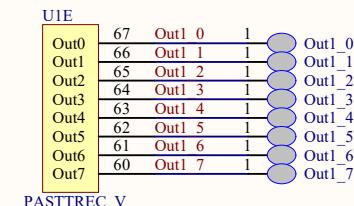
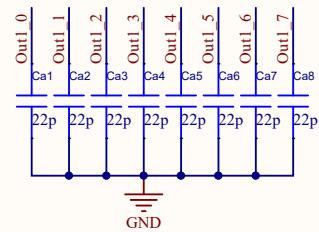
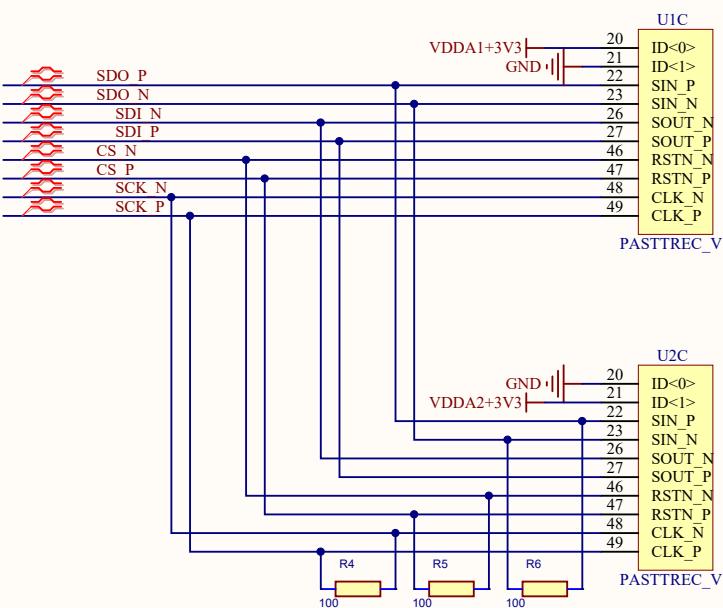
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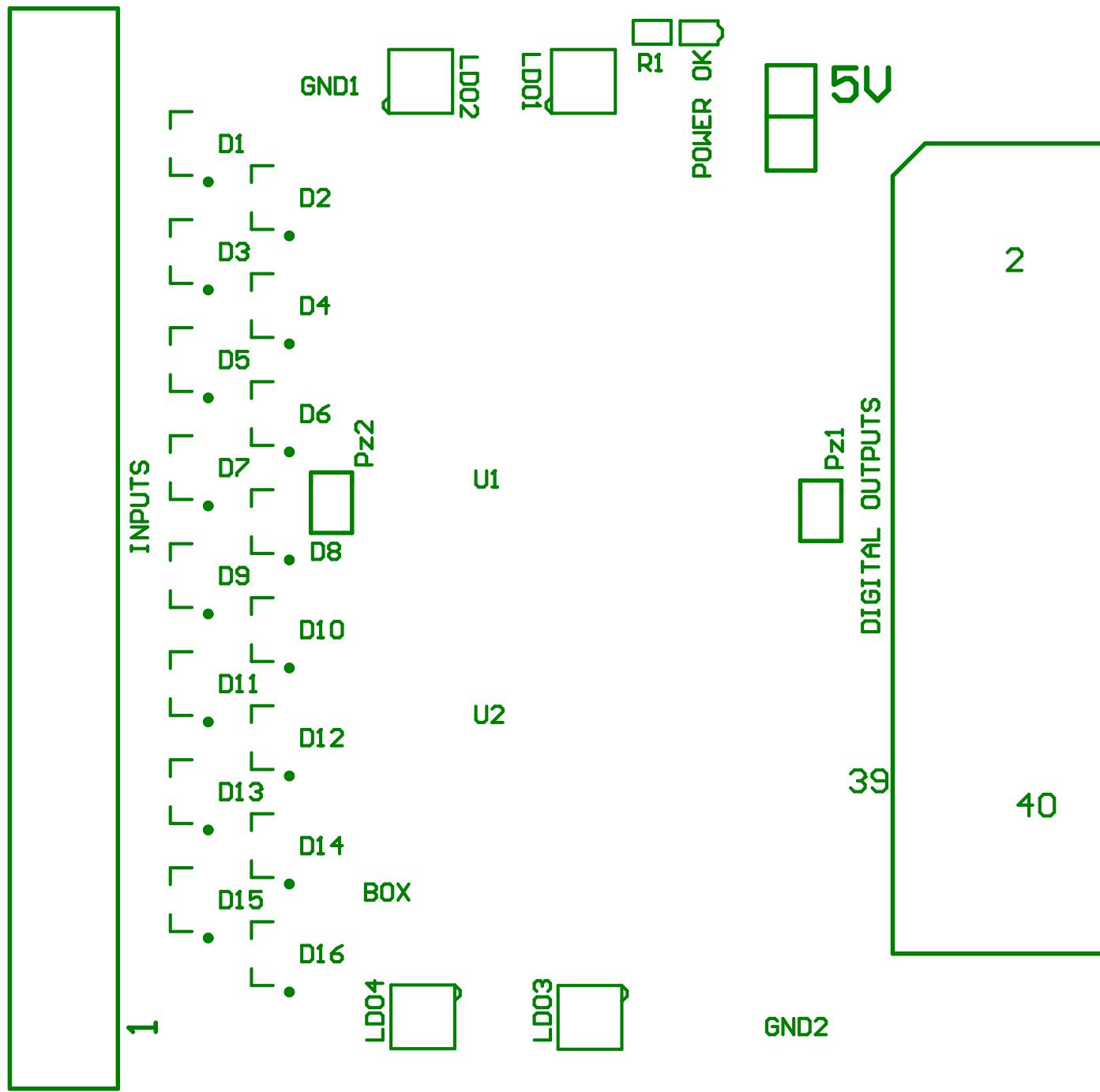
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Size	Number	Revision
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Date: 2017-09-22	Sheet of	
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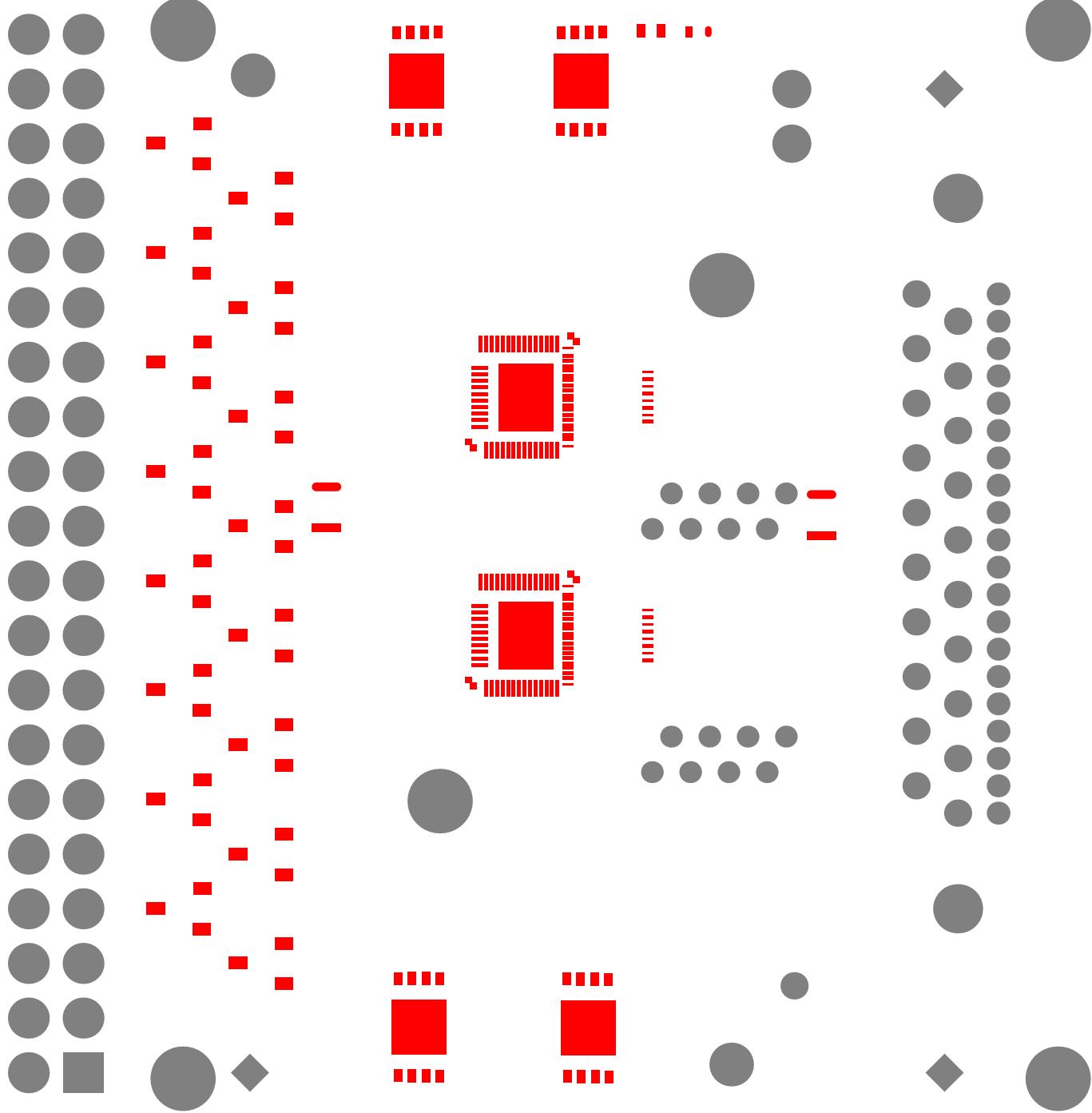


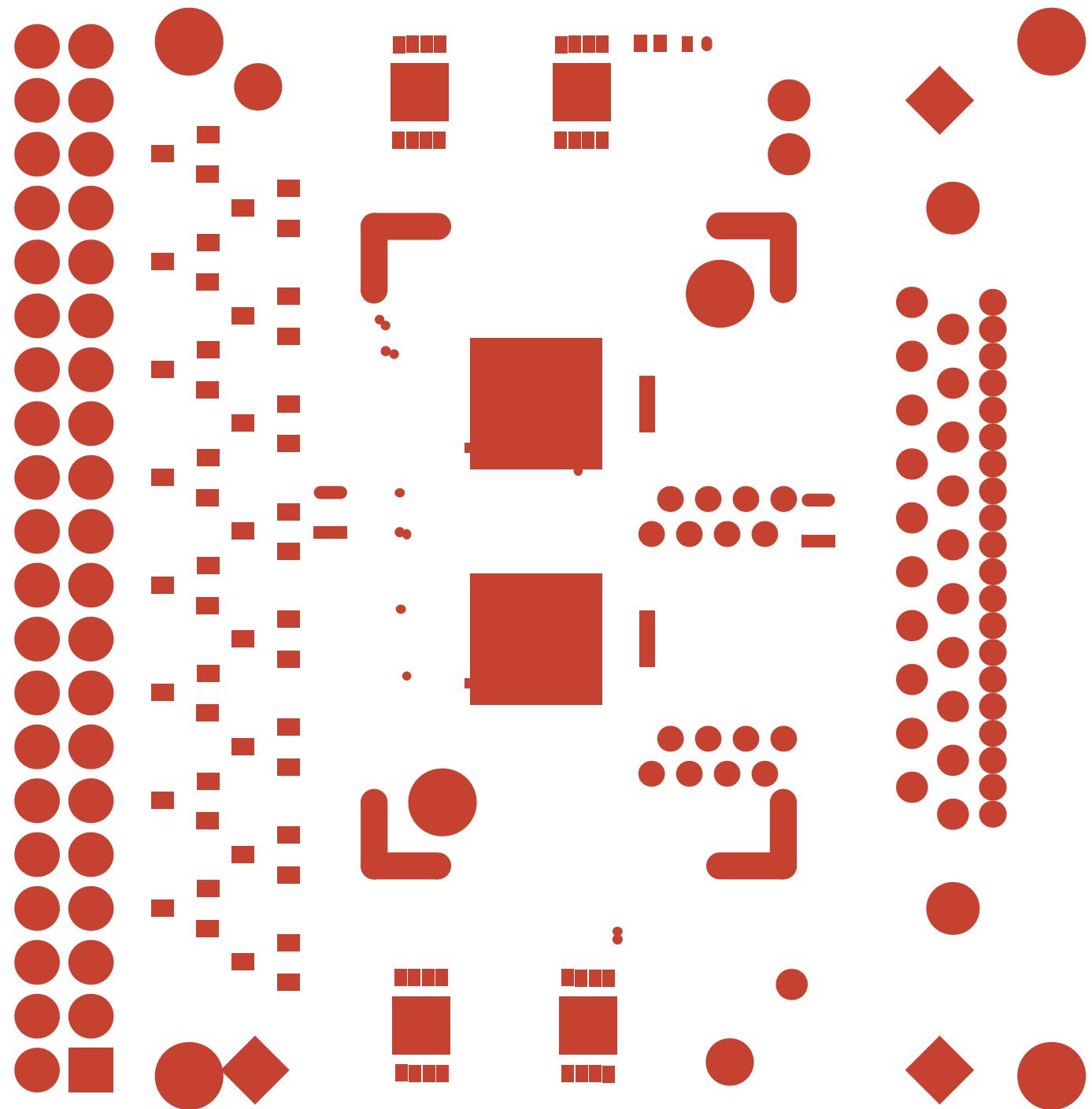
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Top Overlay

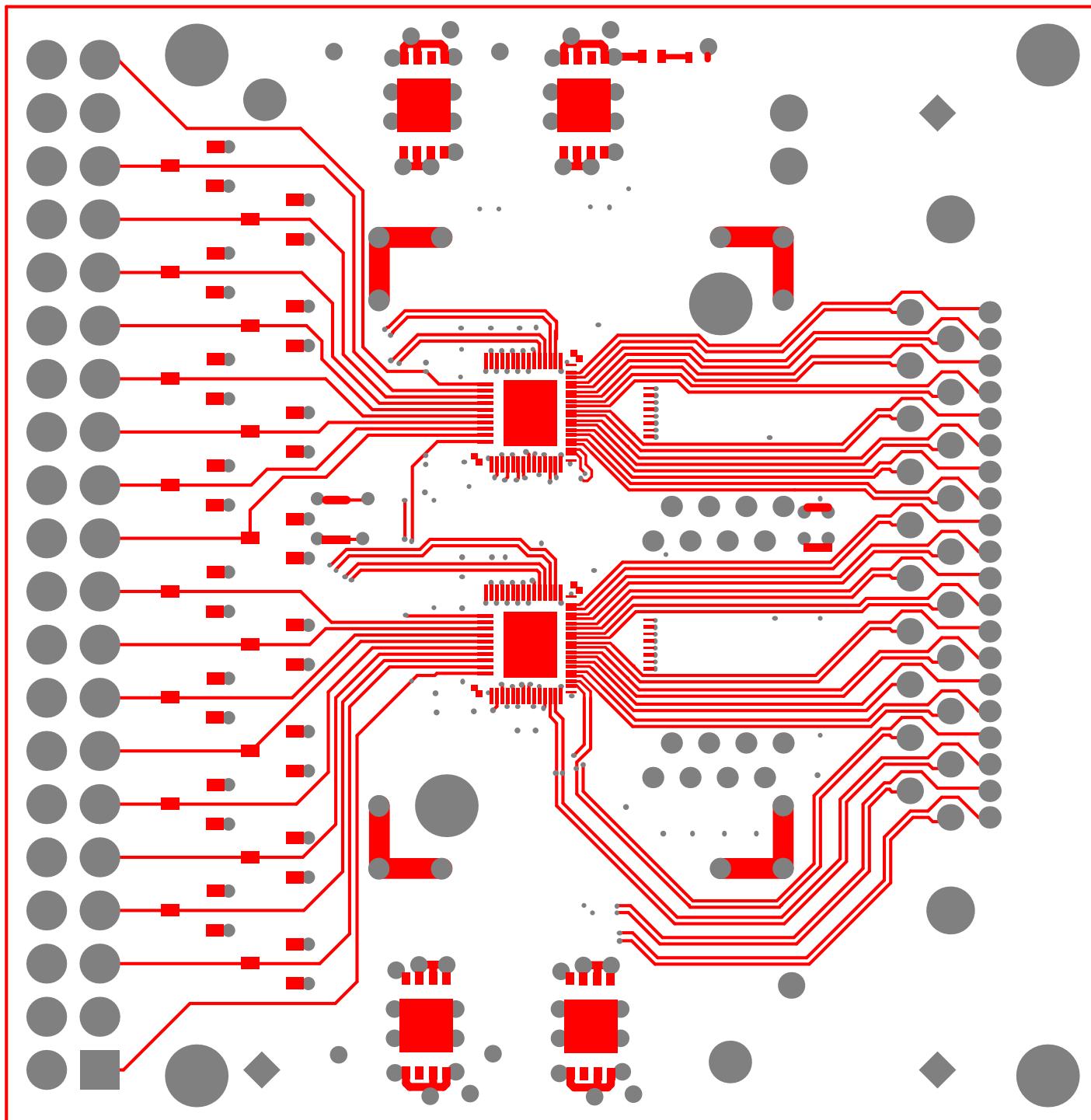




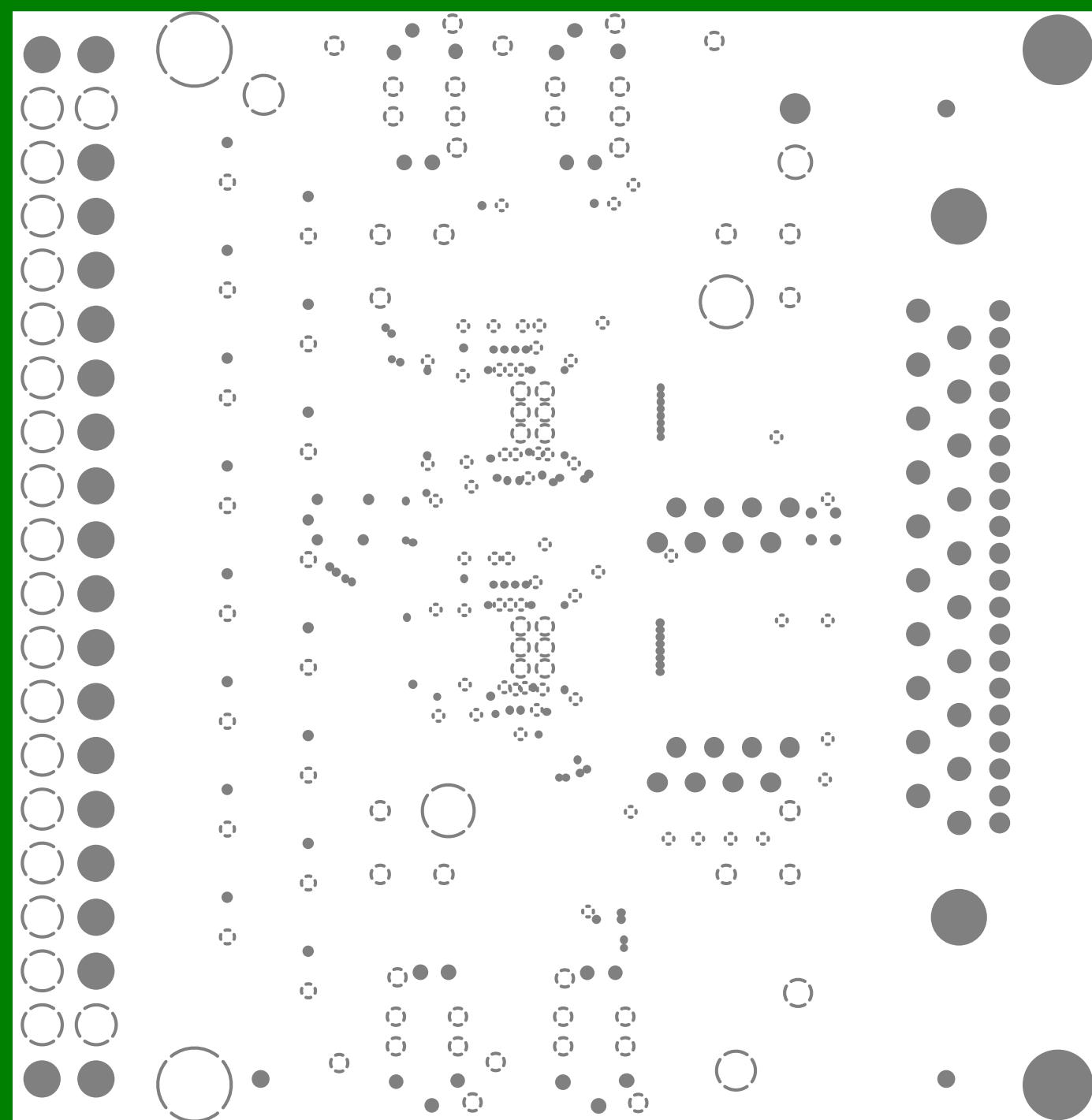


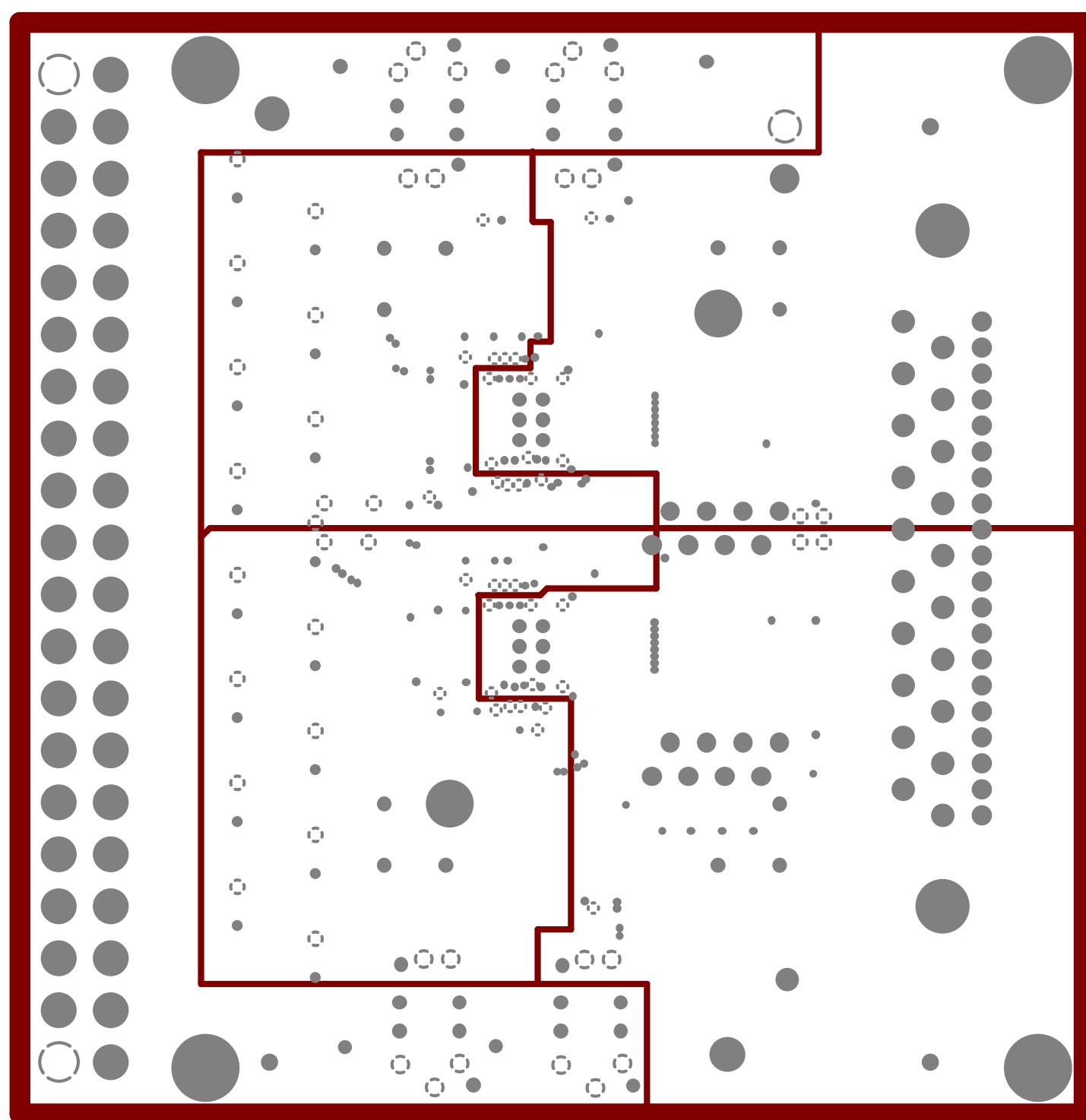
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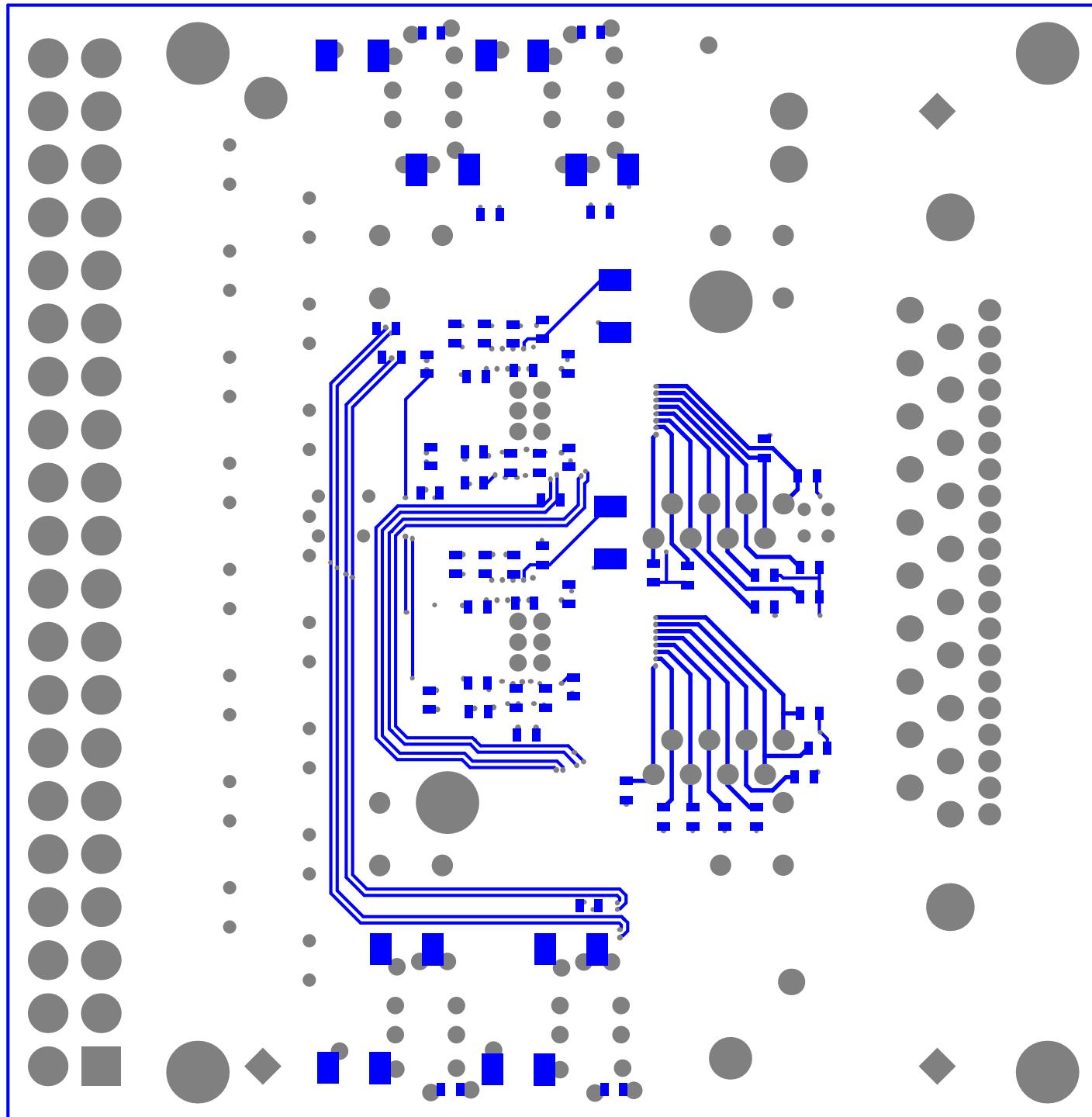
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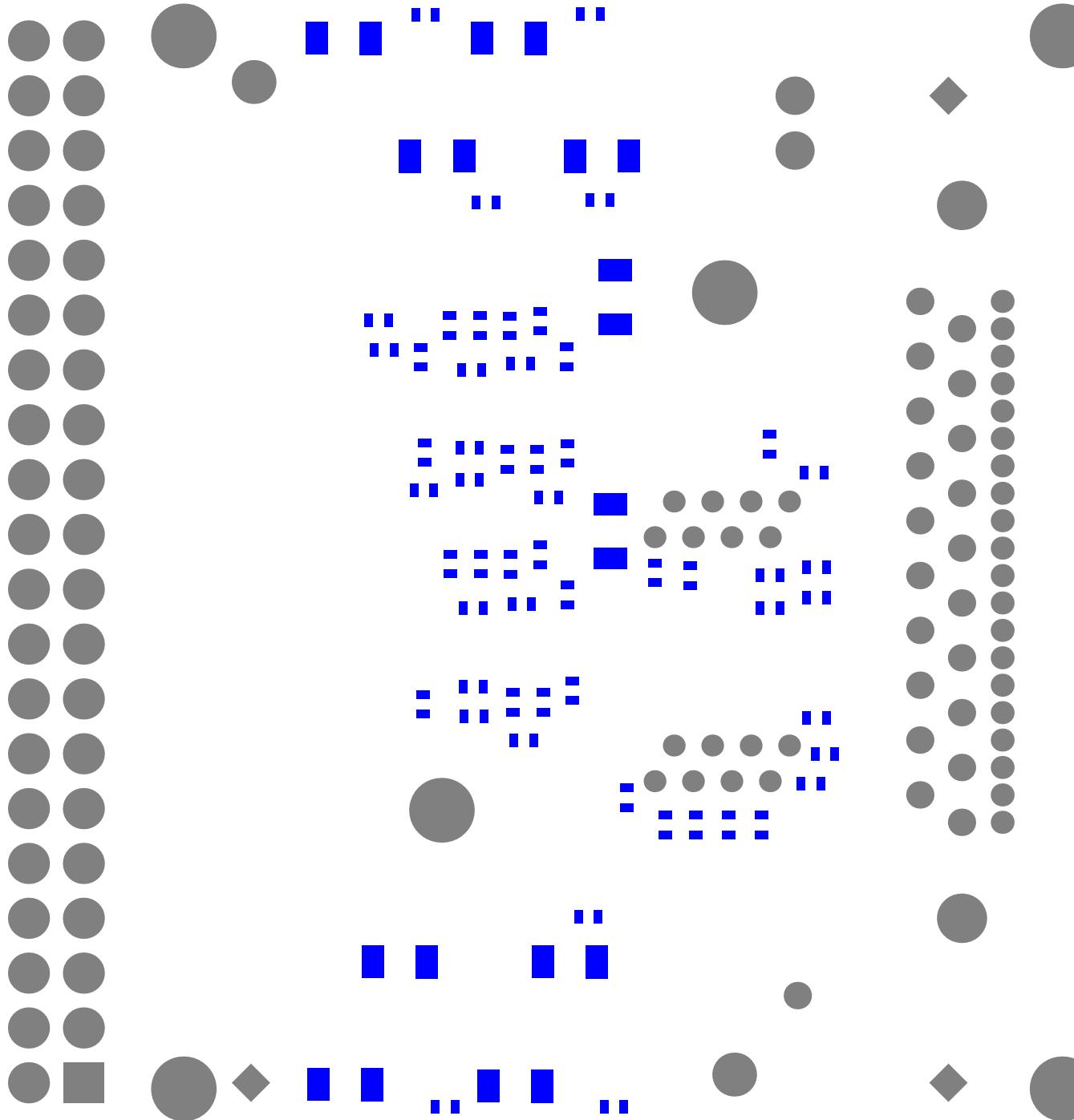


GND

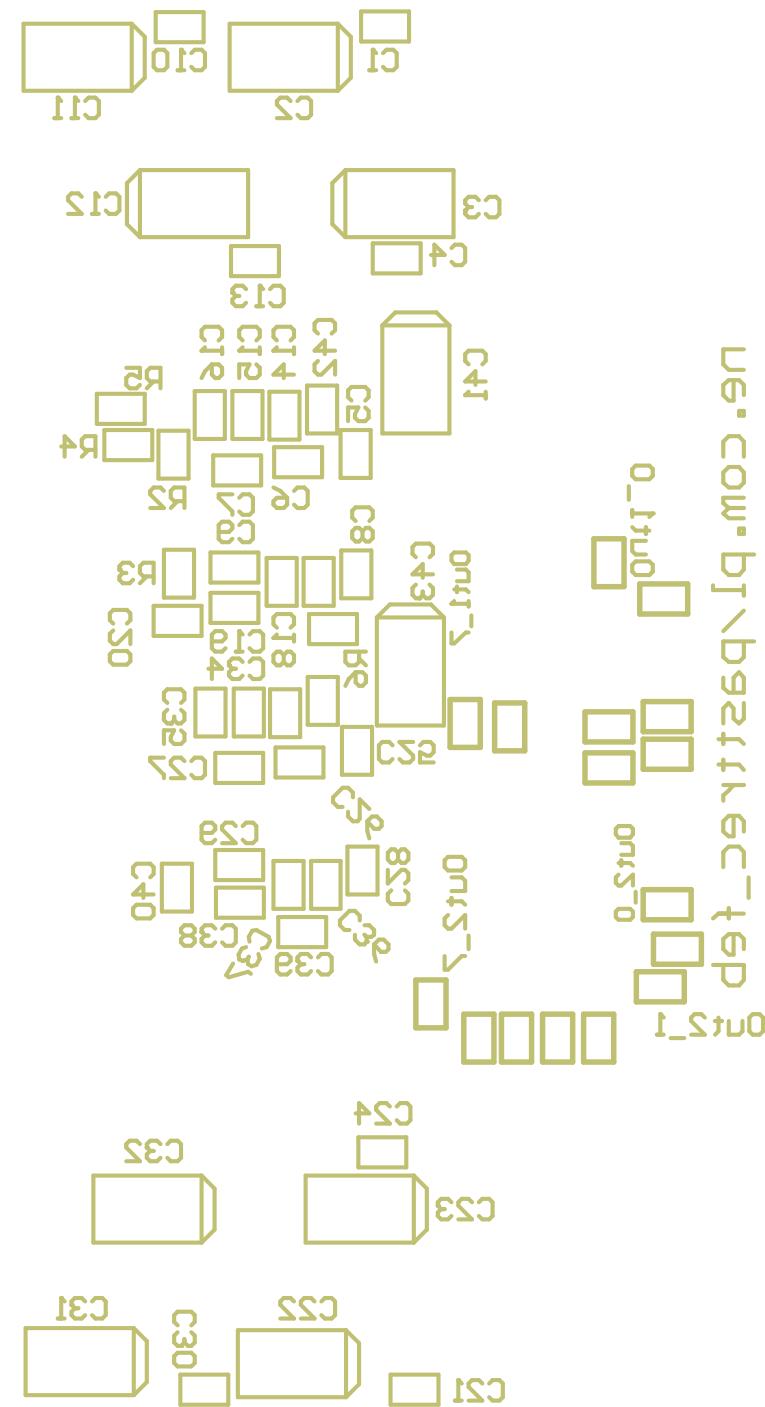


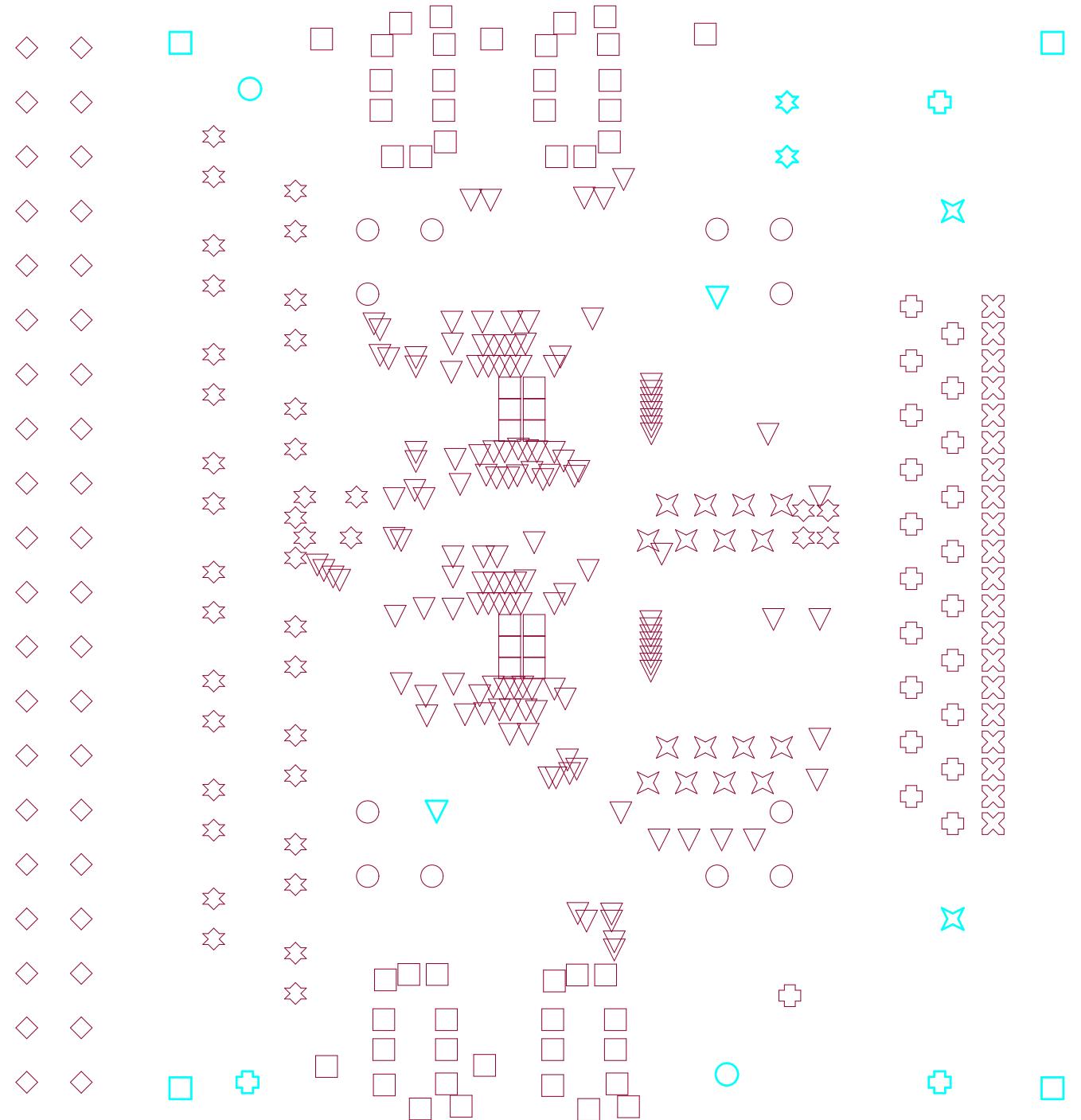






Bottom Overlay





Comment	Description	Designator	Footprint	LibRef	Quantity
POWER CONNEKTOR		5V	SIP2	SIP2	1
BMI-S-209-C	BOX BMI-S-209-C	BOX	BMI-S-209-C	BMI-S-209-C	1
1u		C1, C10, C21, C30	CAP_0402	CAP_H	4
22u		C2, C3, C11, C12, C22, C23, C31, C32, C41, C43	SMDA	CAP_POL	10
100n		C4, C5, C6, C7, C8, C9, C13, C14, C15, C16, C17, C18, C19, C20, C24, C25, C26, C27, C28, C29, C33, C34, C35, C36, C37, C38, C39, C40	CAP_0402	CAP_H	28
10n		C42, C44	CAP_0402	CAP_H	2
22p		Ca1, Ca2, Ca3, Ca4, Ca5, Ca6, Ca7, Ca8, Ca9, Ca10, Ca11, Ca12, Ca13, Ca14, Ca15, Ca16	CAP_0402	CAP_H	16
BAV99	Silicon Switching Diode Array for High-Speed Switching	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16	SOT-23B_L	BAV99	16
KEL8630E-080S-P_0.635mm	8930E-040-178MS/8931E-040-178S-F	DIGITAL OUTPUTS	8931E-040-178L-F	KEL-40pin_8930E-040-178MS	1
TP		GND1, GND2	TP1	TP	2
HEADER20X2		INPUTS	HDR2X20	HEADER20X2	1
ADP124ARHZ-3.3-R7		LDO1, LDO2, LDO3, LDO4	RH-8-1	ADP124ARHZ-3.3-R7	4
TP		Out1_0, Out1_1, Out1_2, Out1_3, Out1_4, Out1_5, Out1_6, Out1_7, Out2_0, Out2_1, Out2_2, Out2_3, Out2_4, Out2_5, Out2_6, Out2_7	TP2	TP	16
LED G	Typical RED, GREEN, YELLOW, AMBER GaAs LED	POWER OK	LED 0402	LED2	1
0	Thick Film Resistor 47.5K 1% 0.063W 0402 SMD	Pz1, Pz2	RC0806	RES_V	2
1k5	Thick Film Resistor 47.5K 1% 0.063W 0402 SMD	R1	res_0402	RES_V	1
51	Thick Film Resistor 47.5K 1% 0.063W 0402 SMD	R2, R3	res_0402	RES_V	2
100	Thick Film Resistor 47.5K 1% 0.063W 0402 SMD	R4, R5, R6	res_0402	RES_V	3
PASTTREC_V	PASTTREC_V	U1, U2	PASTTREC_V	PASTTREC_V	2