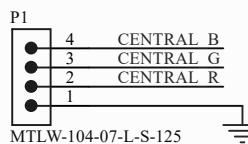
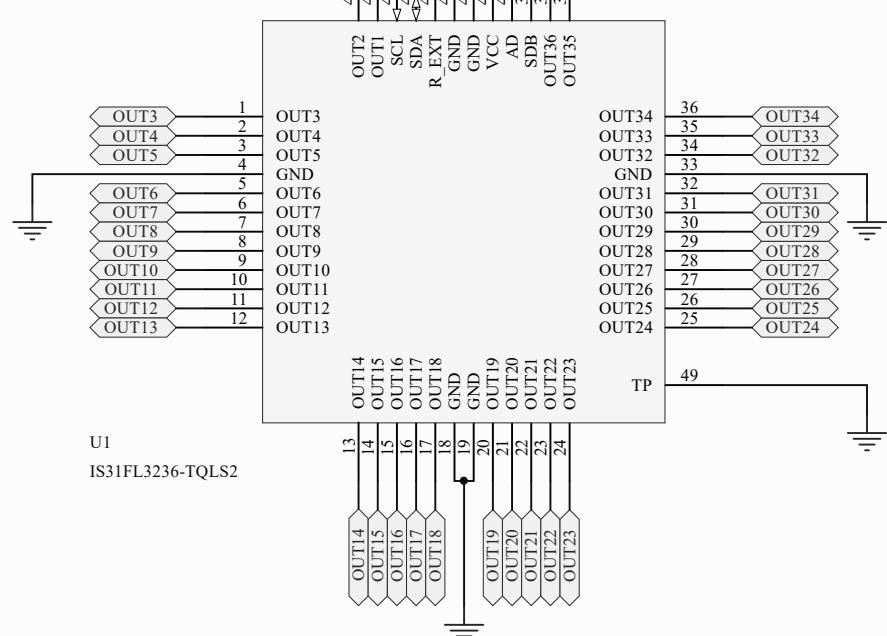
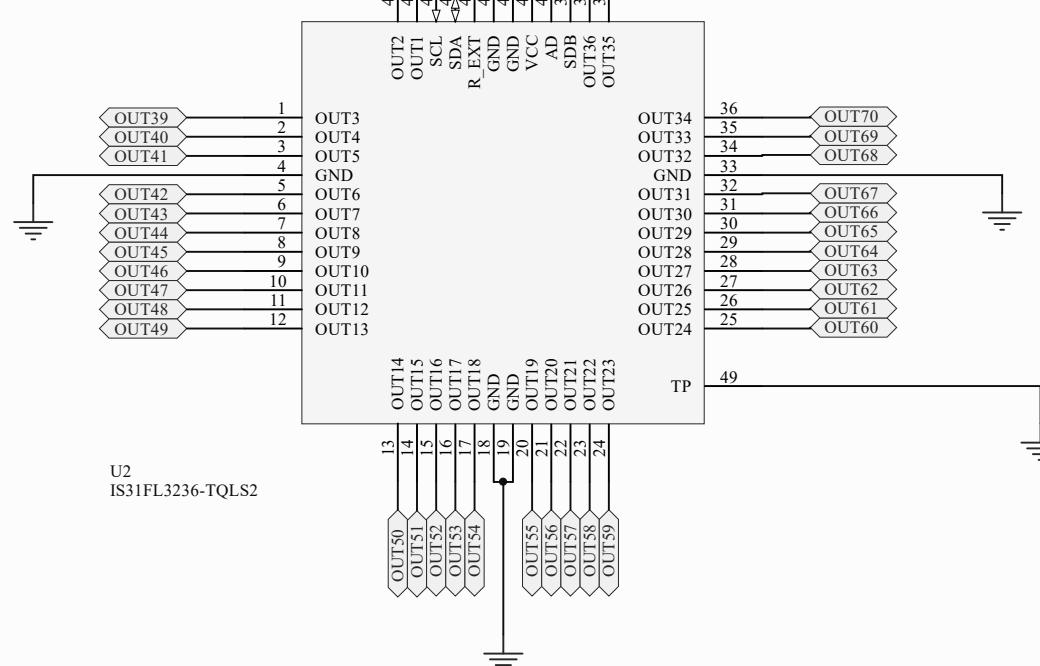


$I_{max} = 38 \text{ mA}$

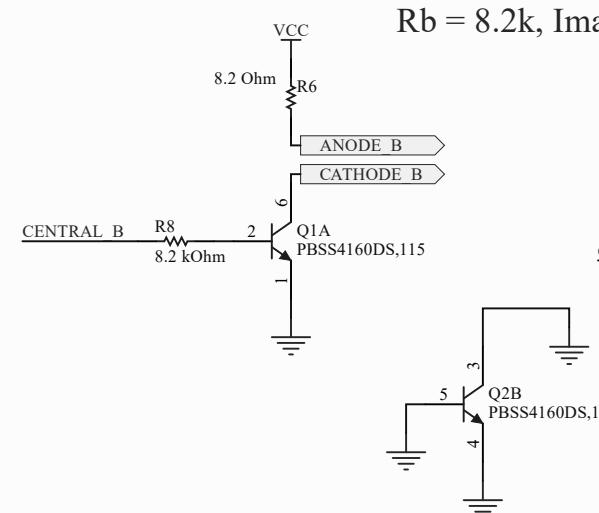
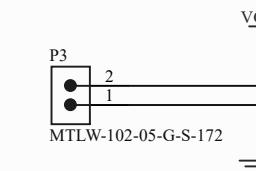
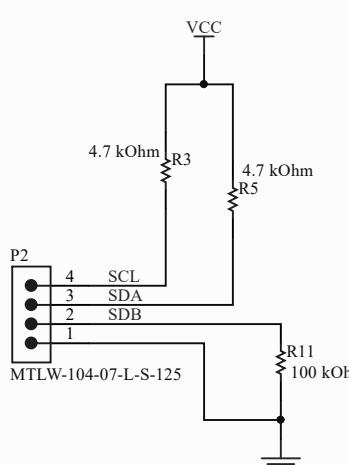


U1  
IS31FL3236-TQLS2

$I_{max} = 38 \text{ mA}$



U2  
IS31FL3236-TQLS2



$R_b = 8.2\text{k}, I_{max} = 100 \text{ mA}$

$R_b = 39\text{k}, I_{max} = 20 \text{ mA}$

Title **LEDBO - LRTBR98G (Drivers)**

SmartHalo  
5445 de Gaspé  
Montréal, QC  
Canada  
H2T 3B2

smarthalo

Size: B Author: Sébastien Gélinas Revision: 1

Date: 2015-12-10 Time: 14:15:09 Sheet 1 of 5

File: DRIVERS CONNECTORS.SchDoc

A

A

B

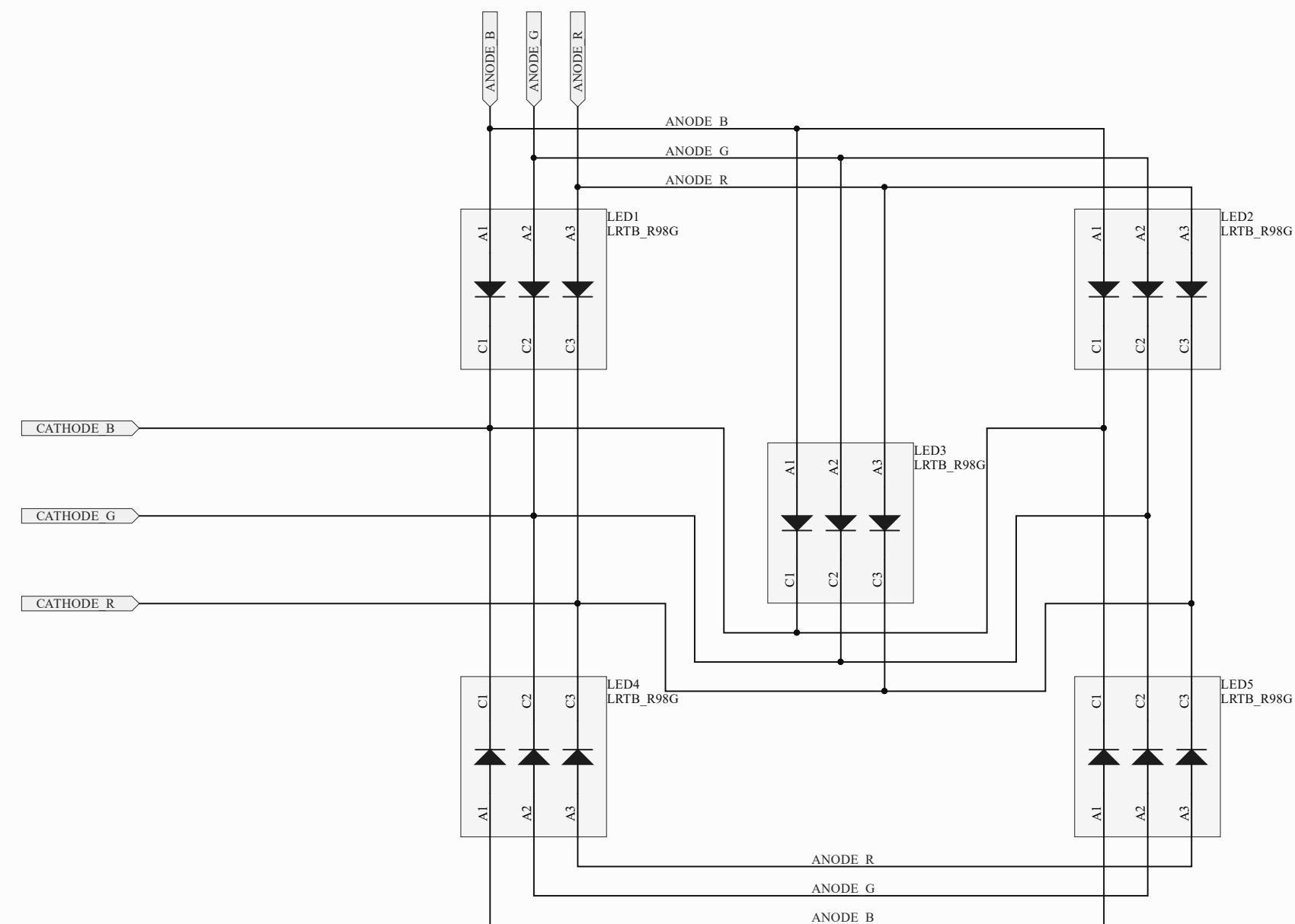
B

C

C

D

D

Title **LEDBO - LRTBR98G (Central LED)**

SmartHalo  
5445 de Gaspé  
Montréal, QC  
Canada  
H2T 3B2

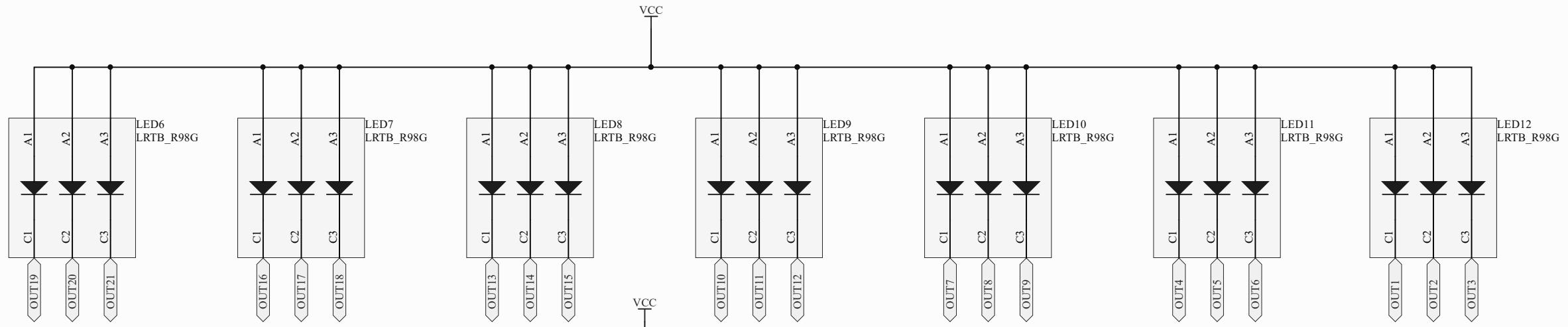
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Date: 2015-12-10	Time: 14:15:09	Sheet 2 of 5
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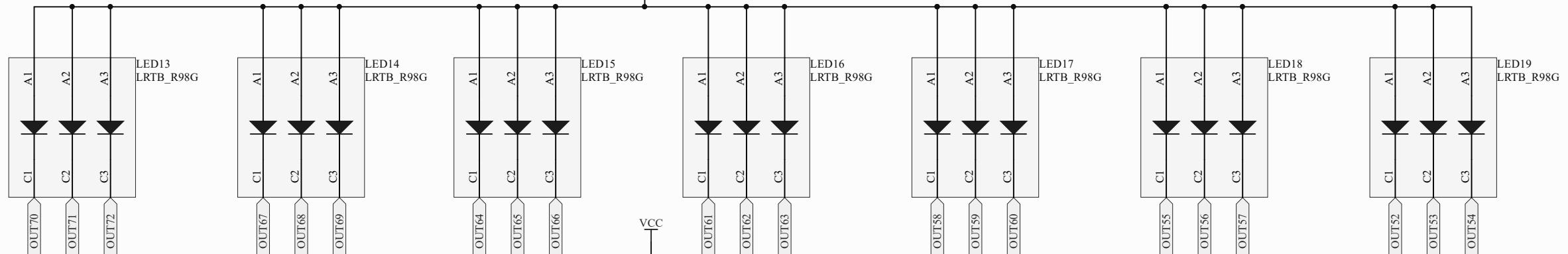
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smarthalo

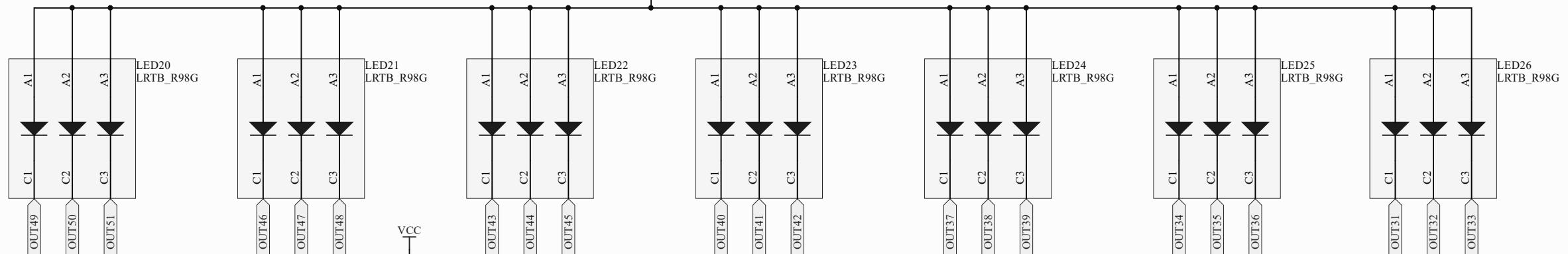
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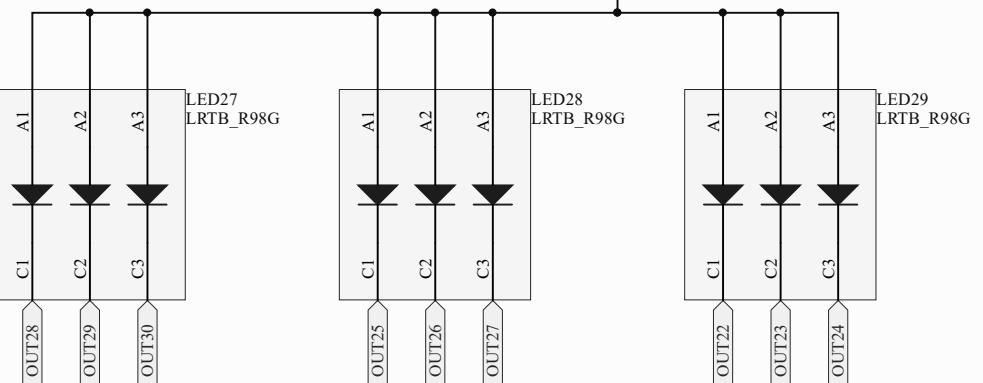
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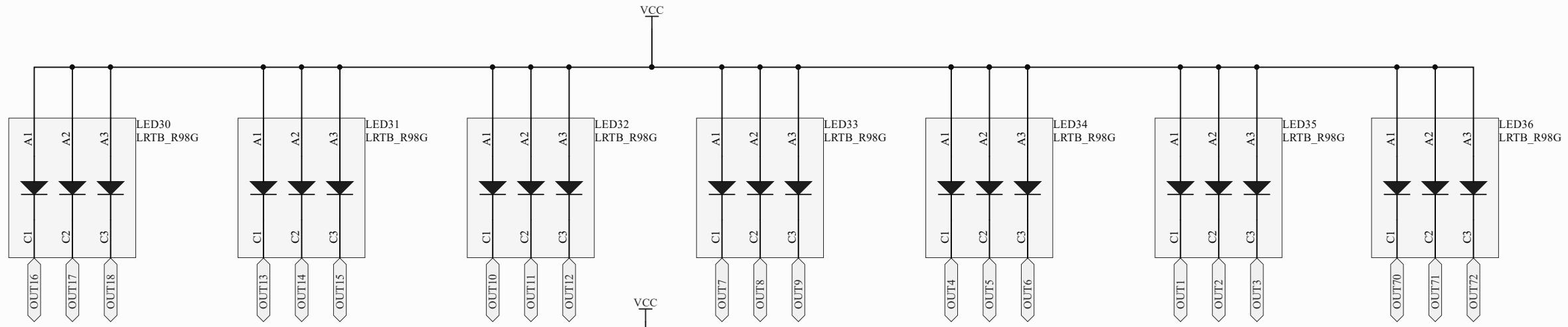
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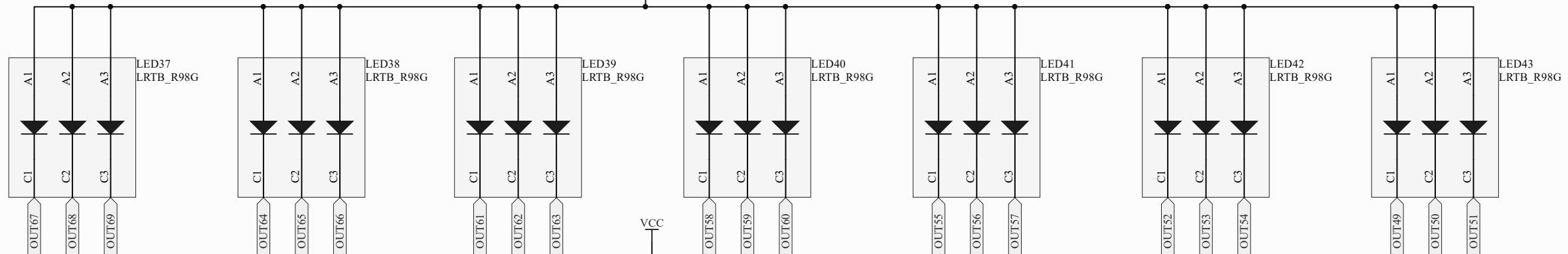
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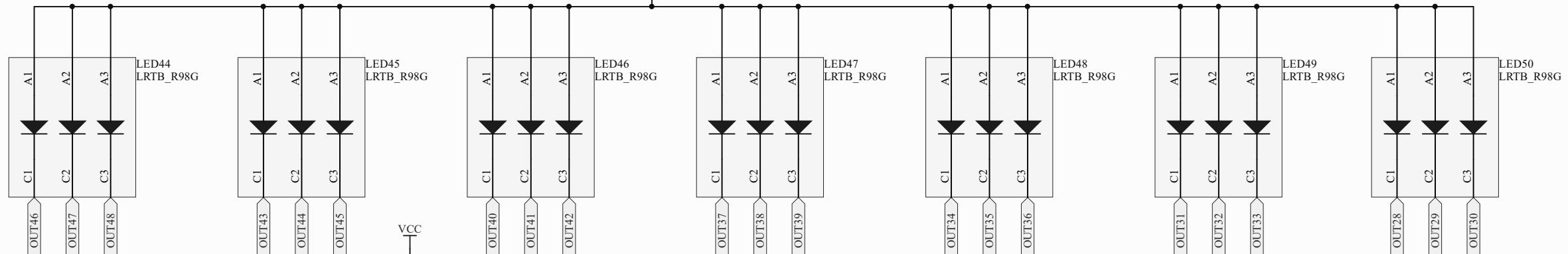
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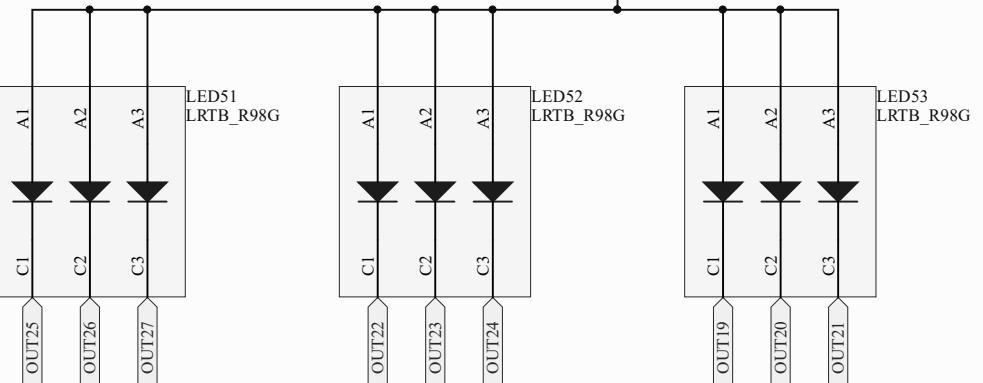
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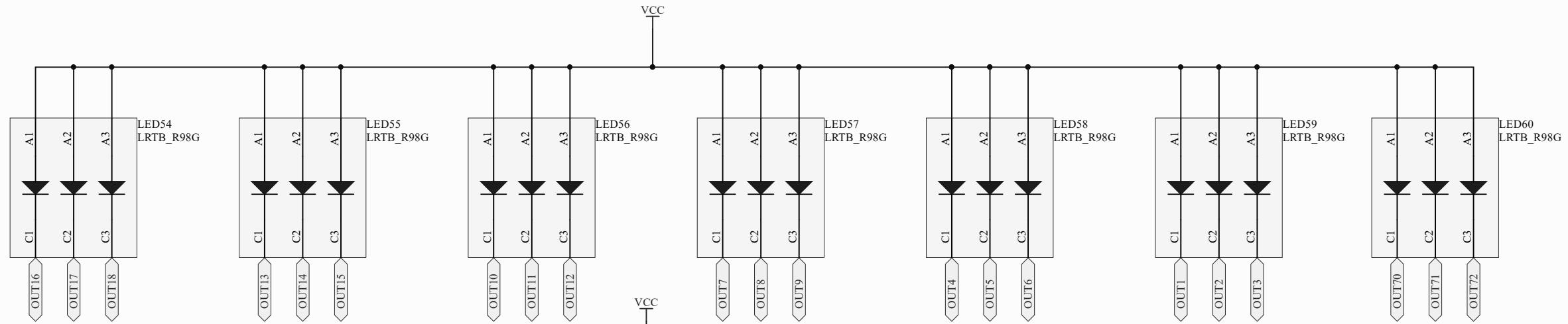
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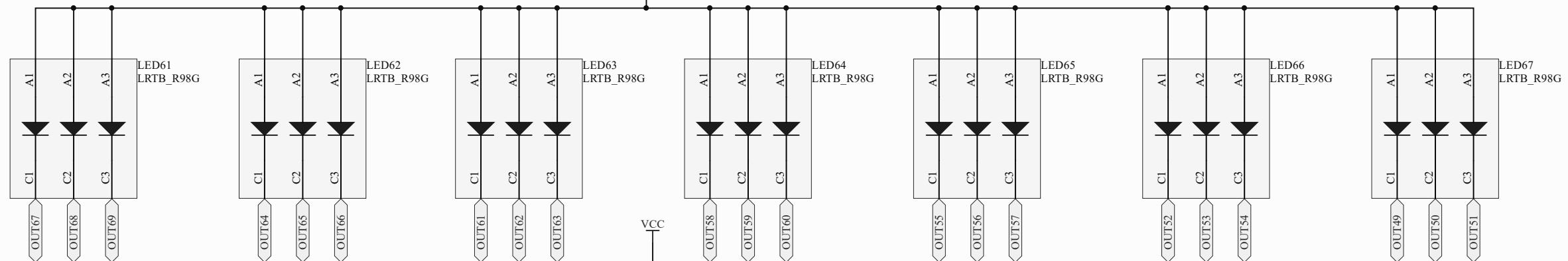
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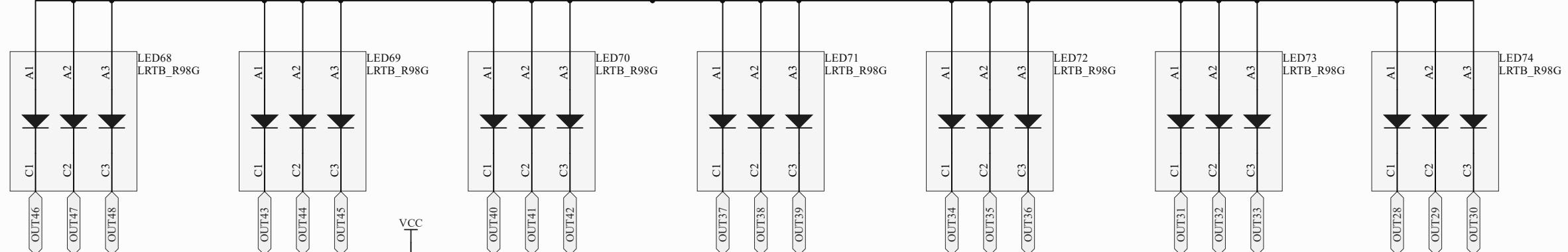
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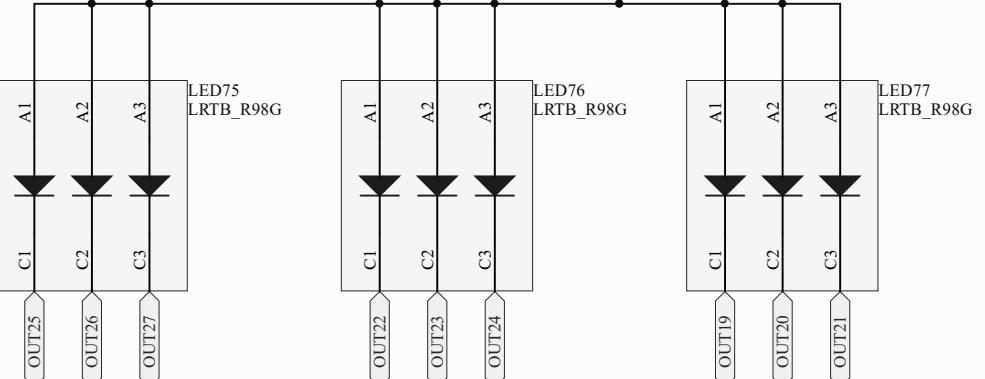
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C

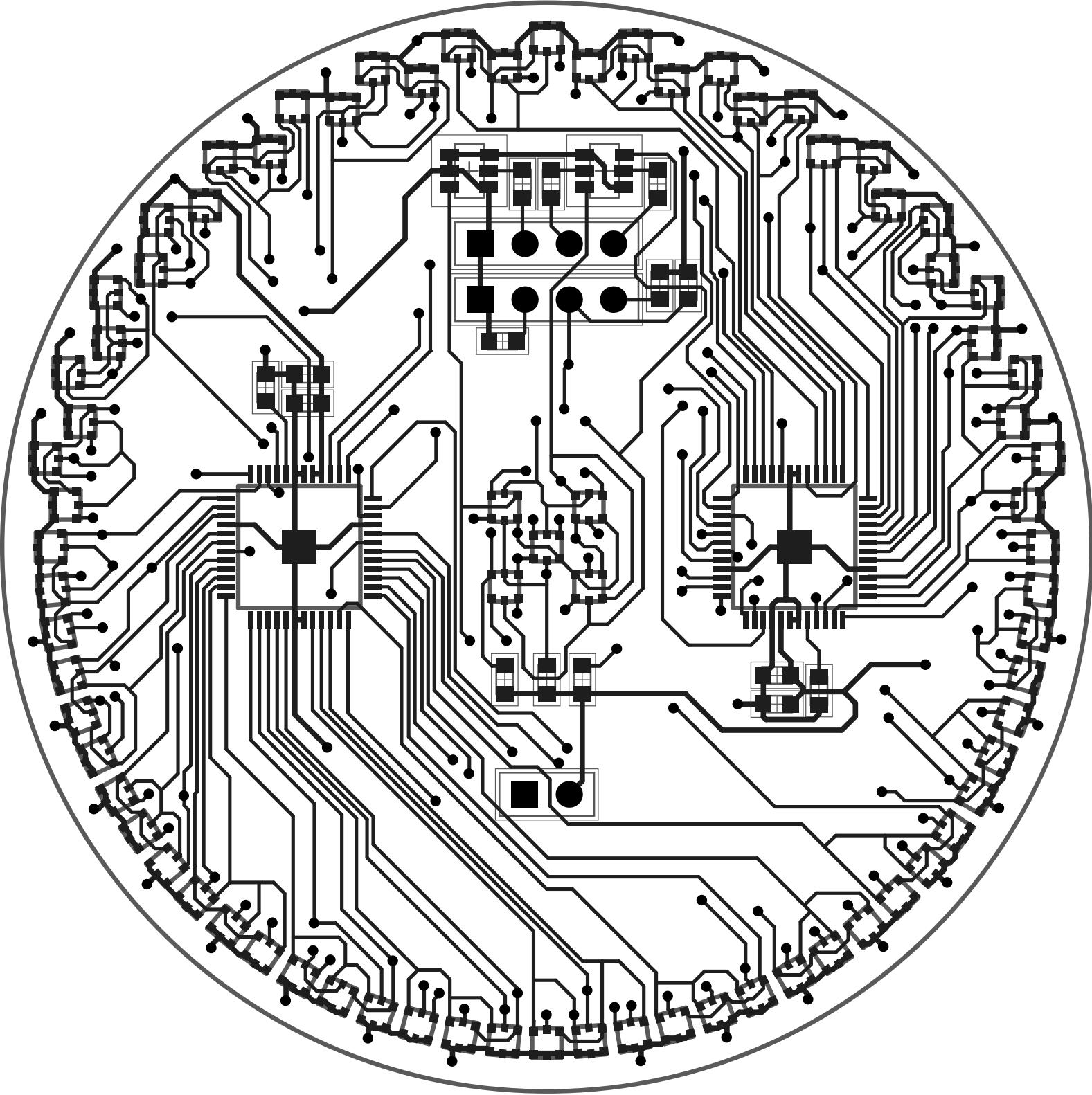


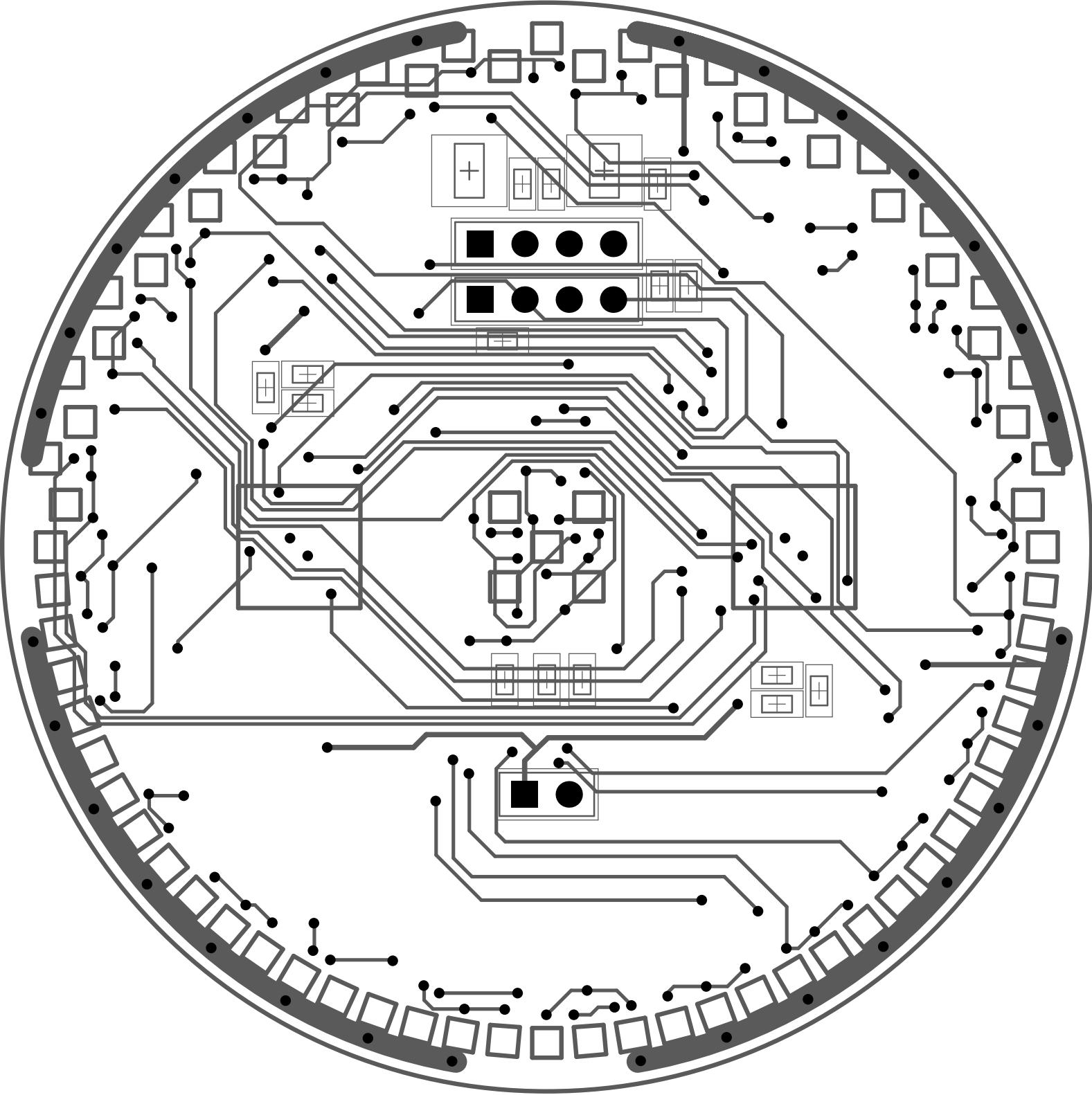
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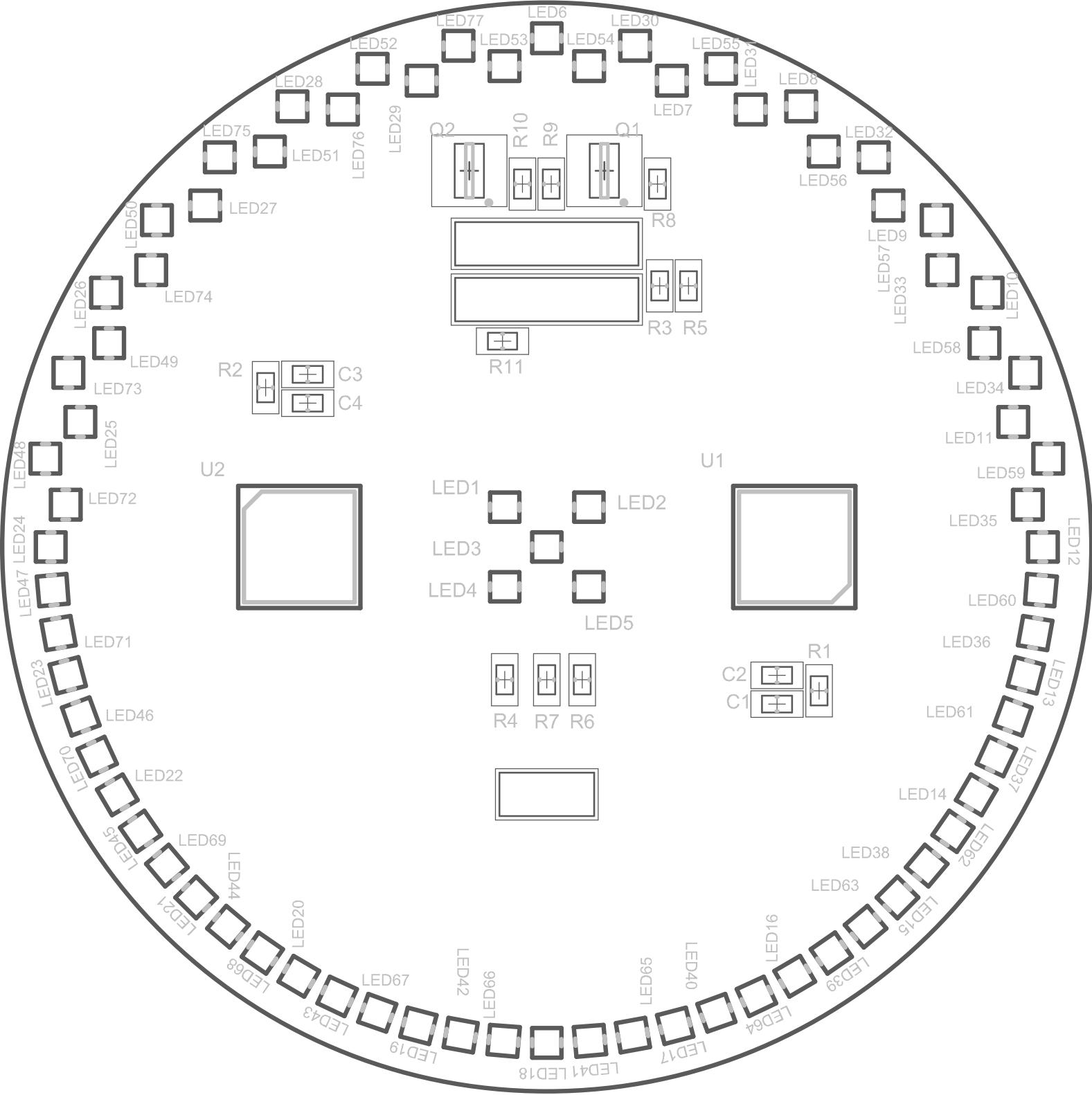
Title **LEDBO - LRTBR98G (LEDS 3)**

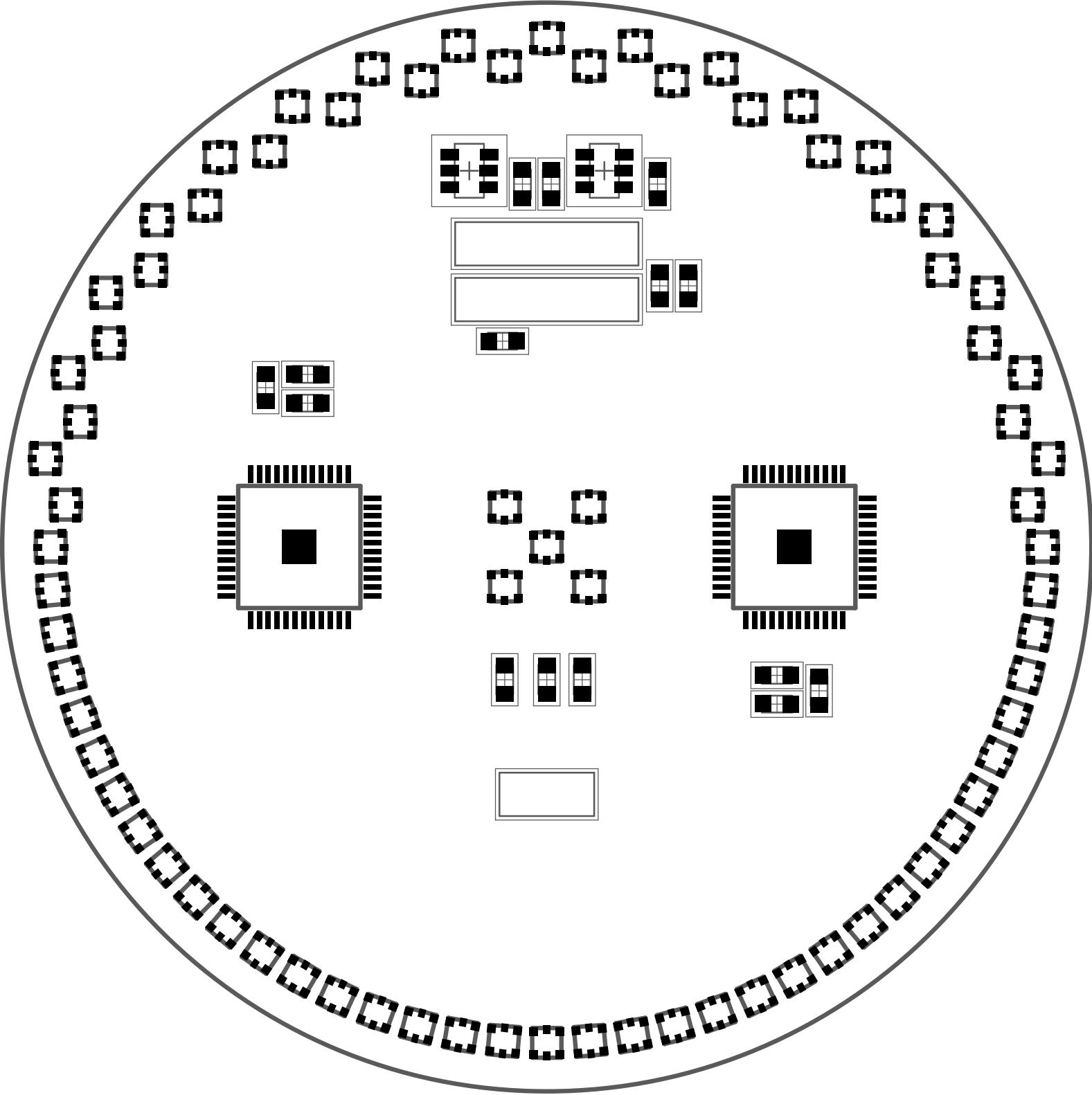
Size: B	Author: Sébastien Gélinas	Revision: 1
Date: 2015-12-10	Time: 14:15:10	Sheet 5 of 5
File: LEDS3.SchDoc		SmartHalo 5445 de Gaspé Montréal, QC Canada H2T 3B2

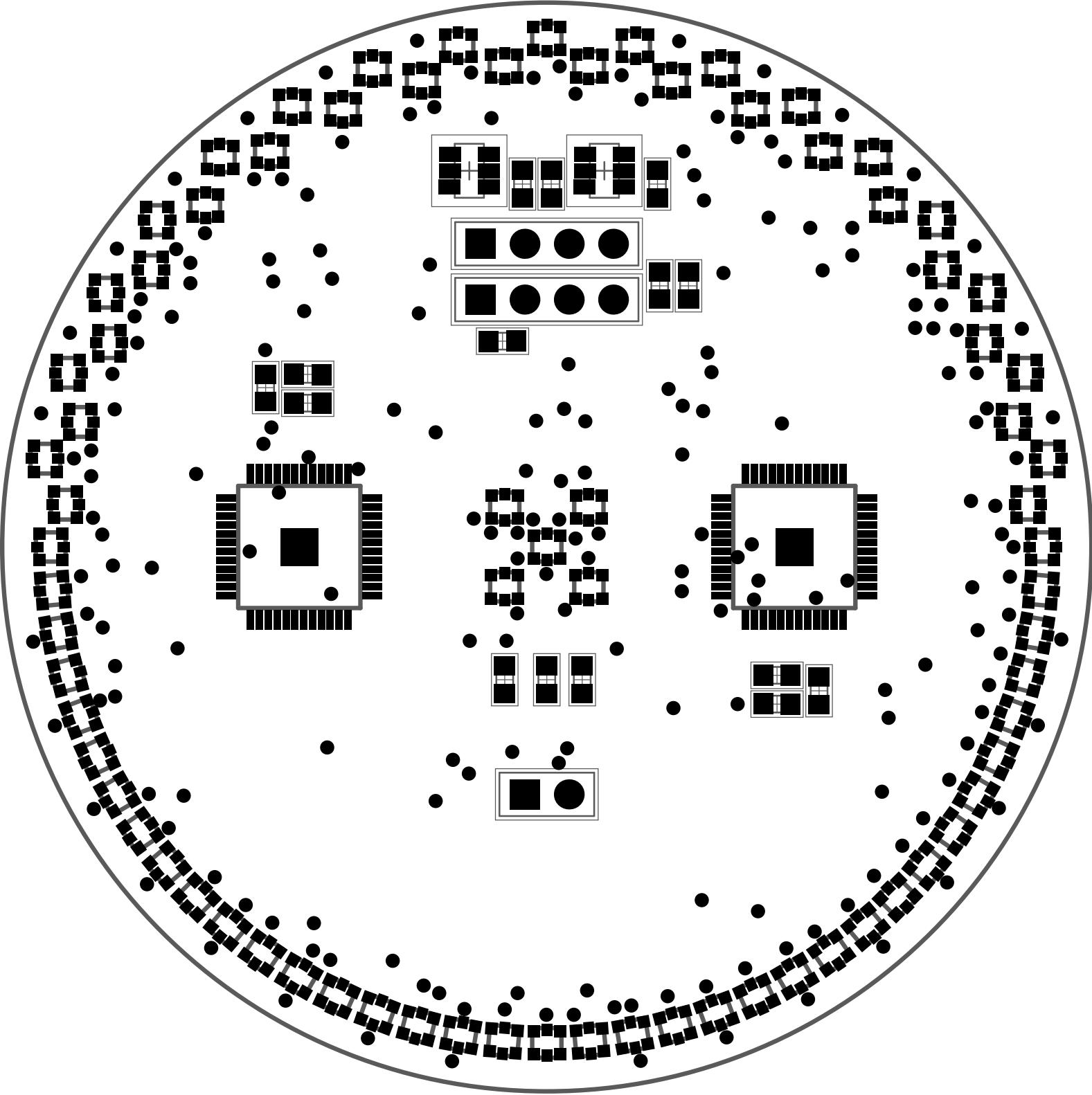
smarthalo

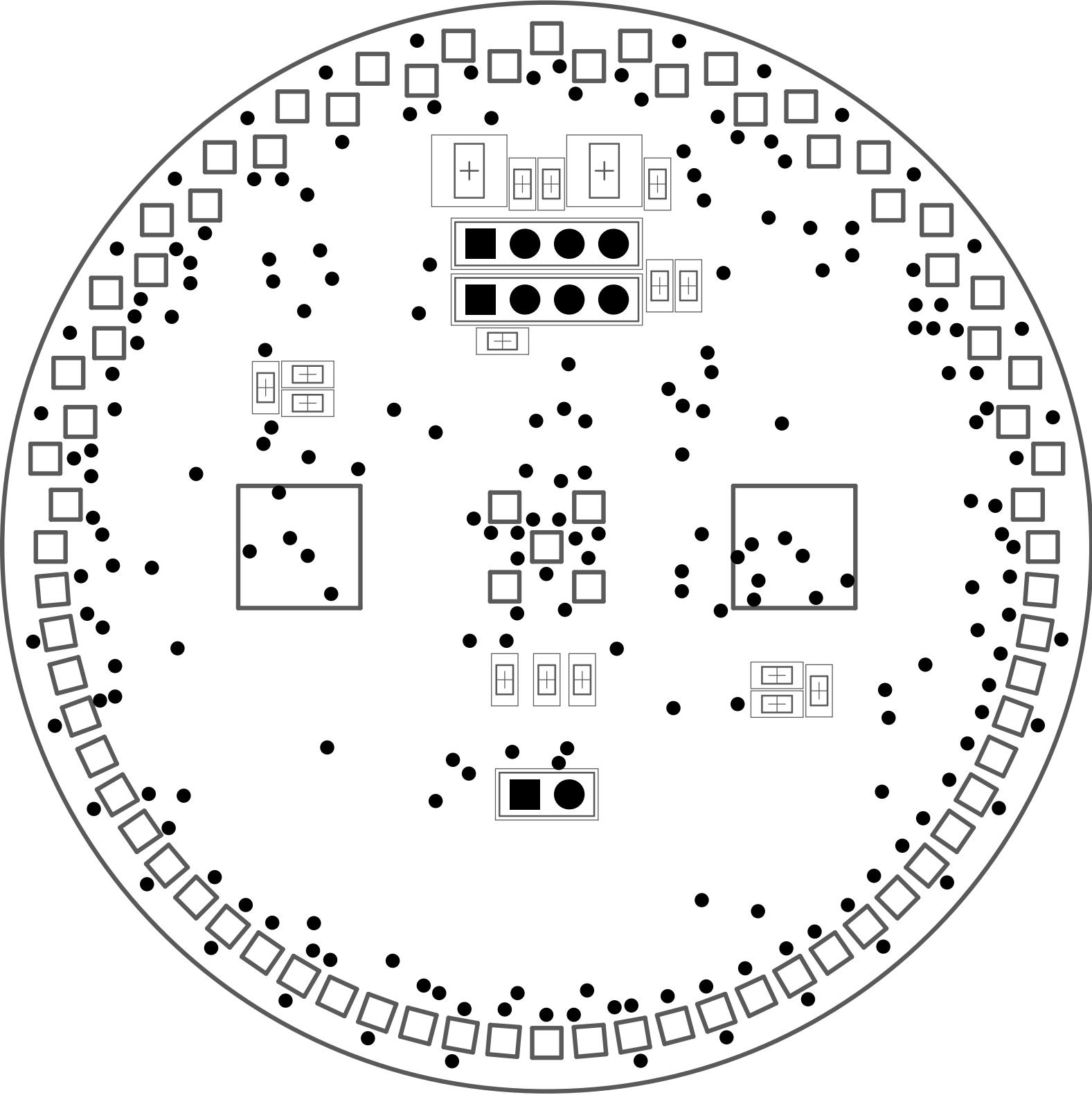


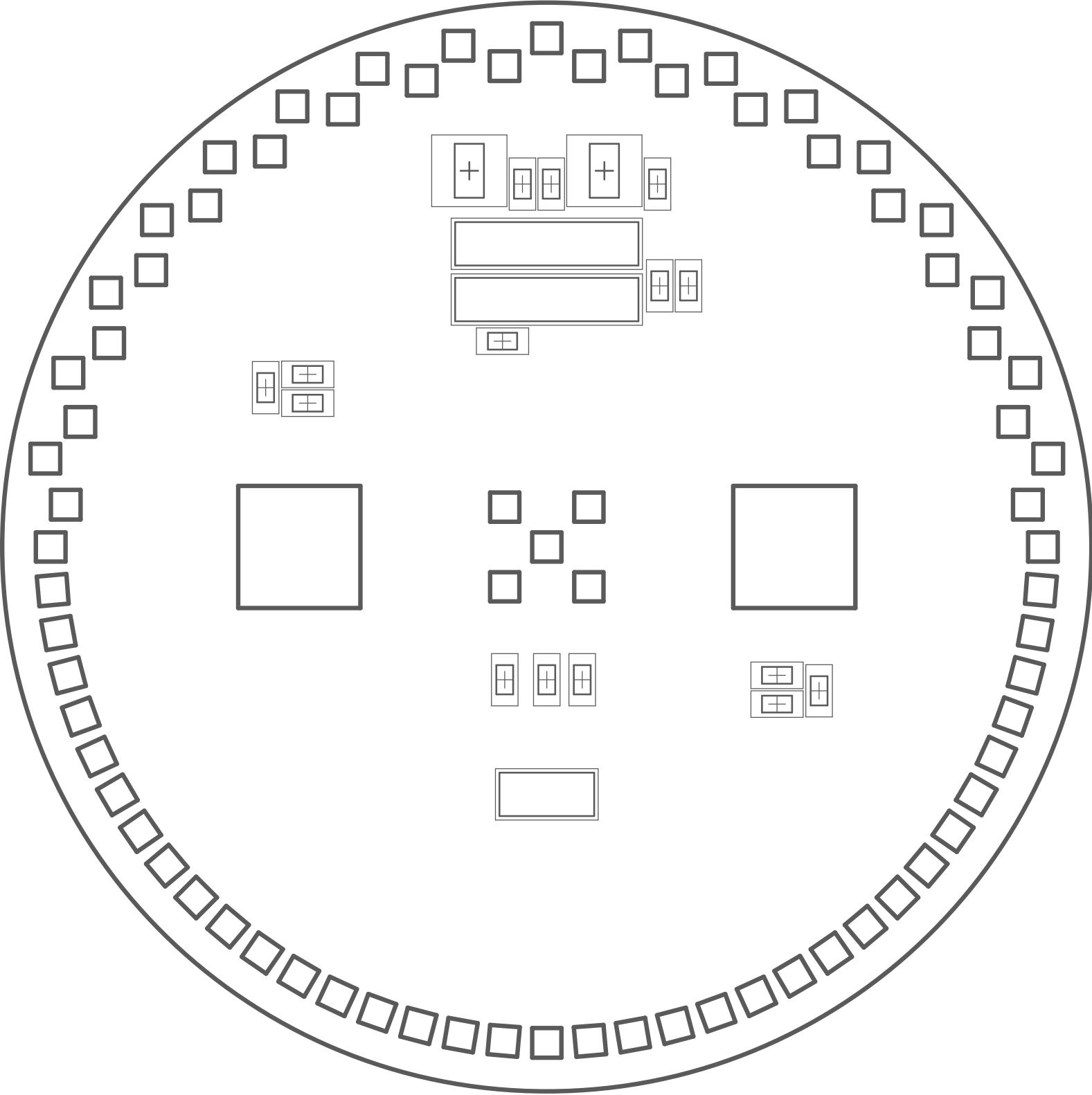


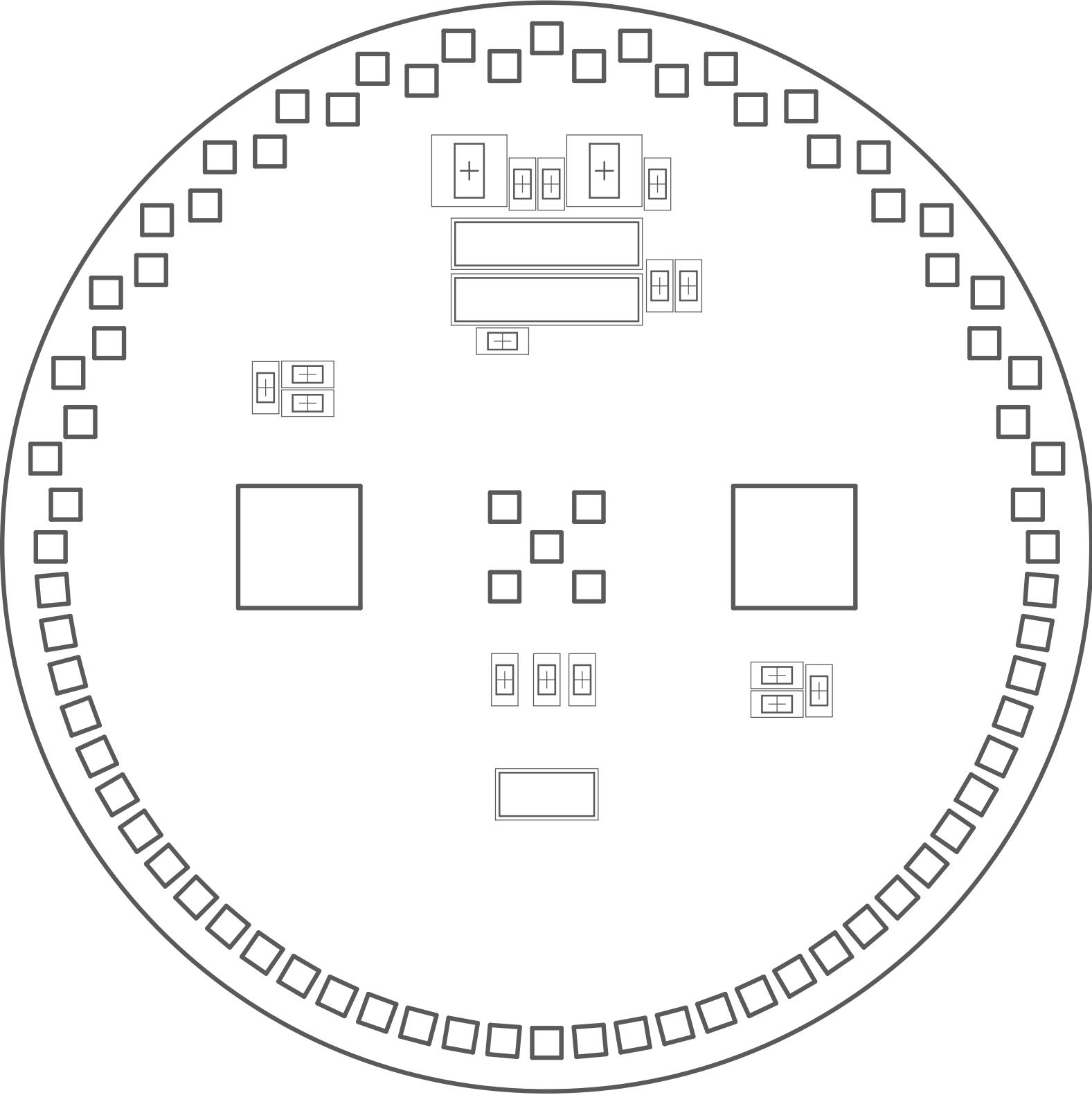


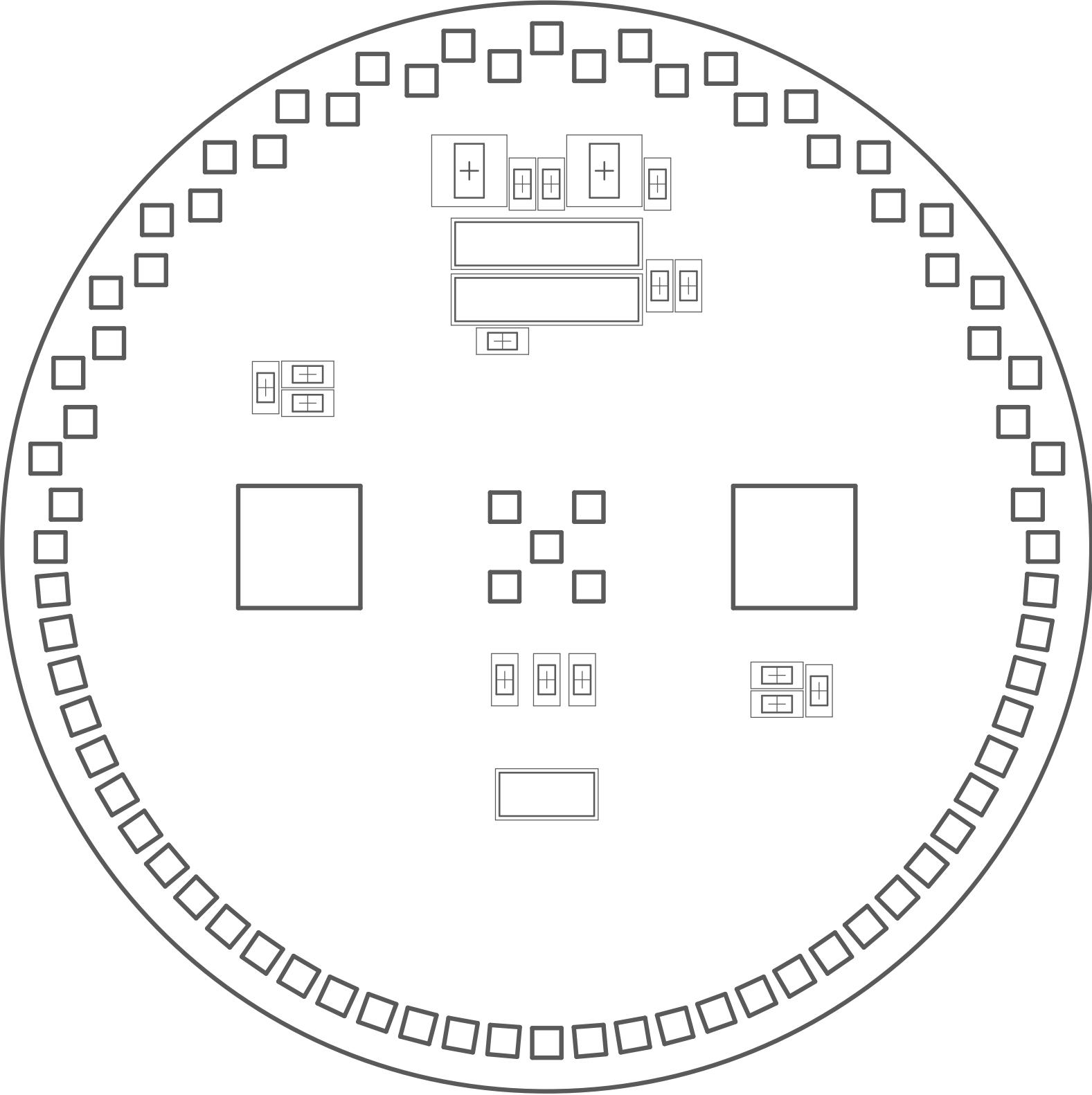


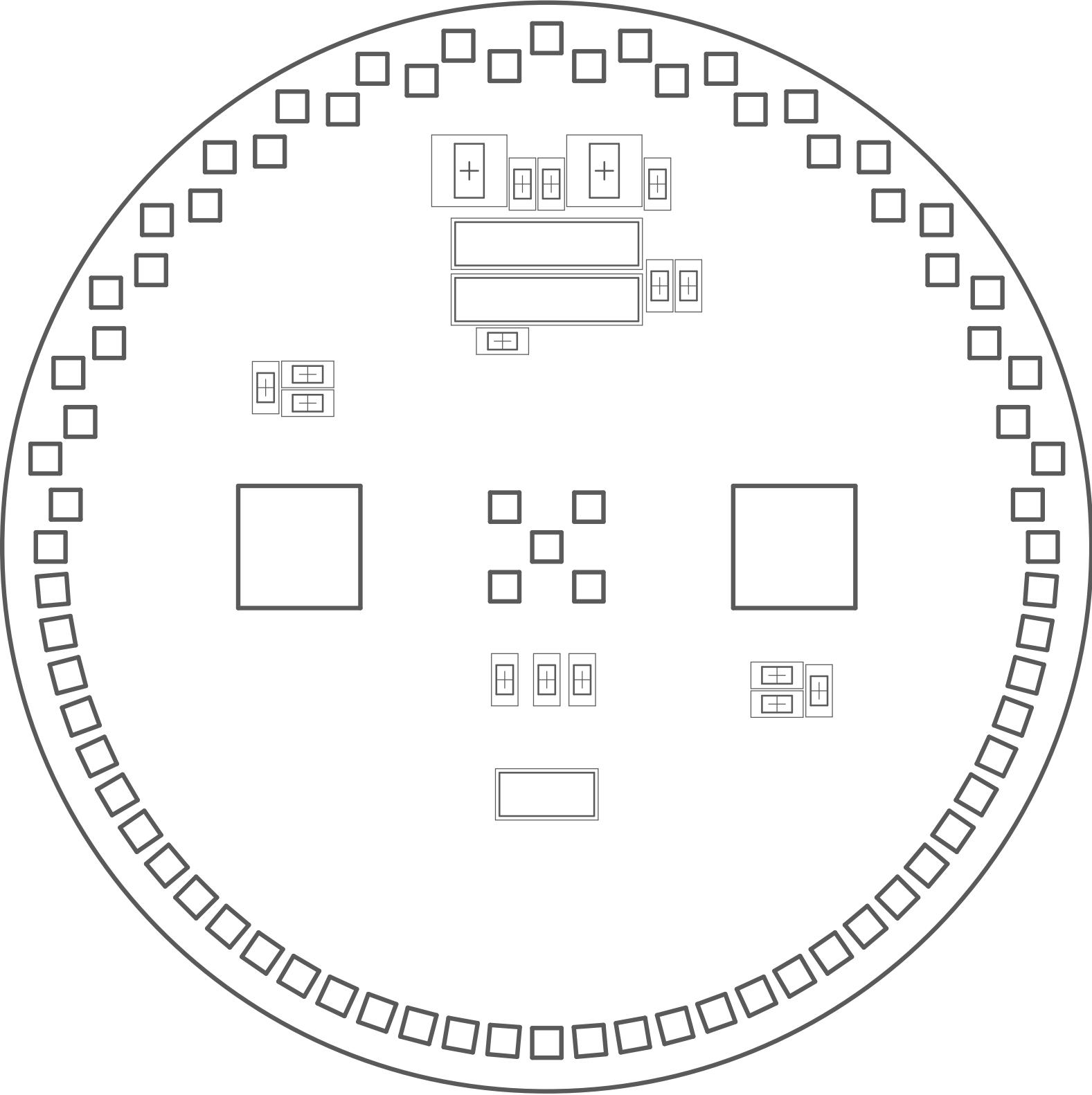


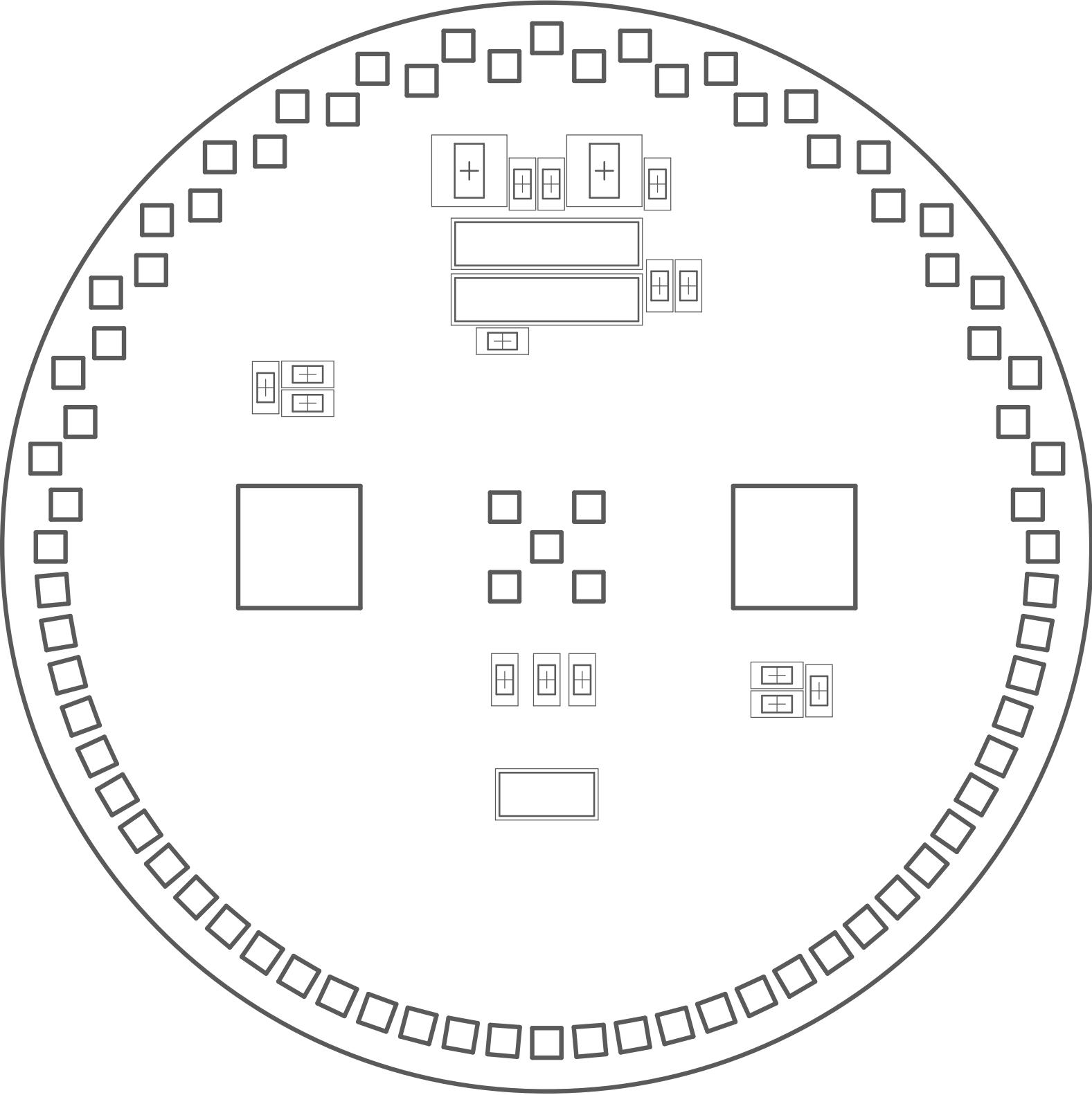


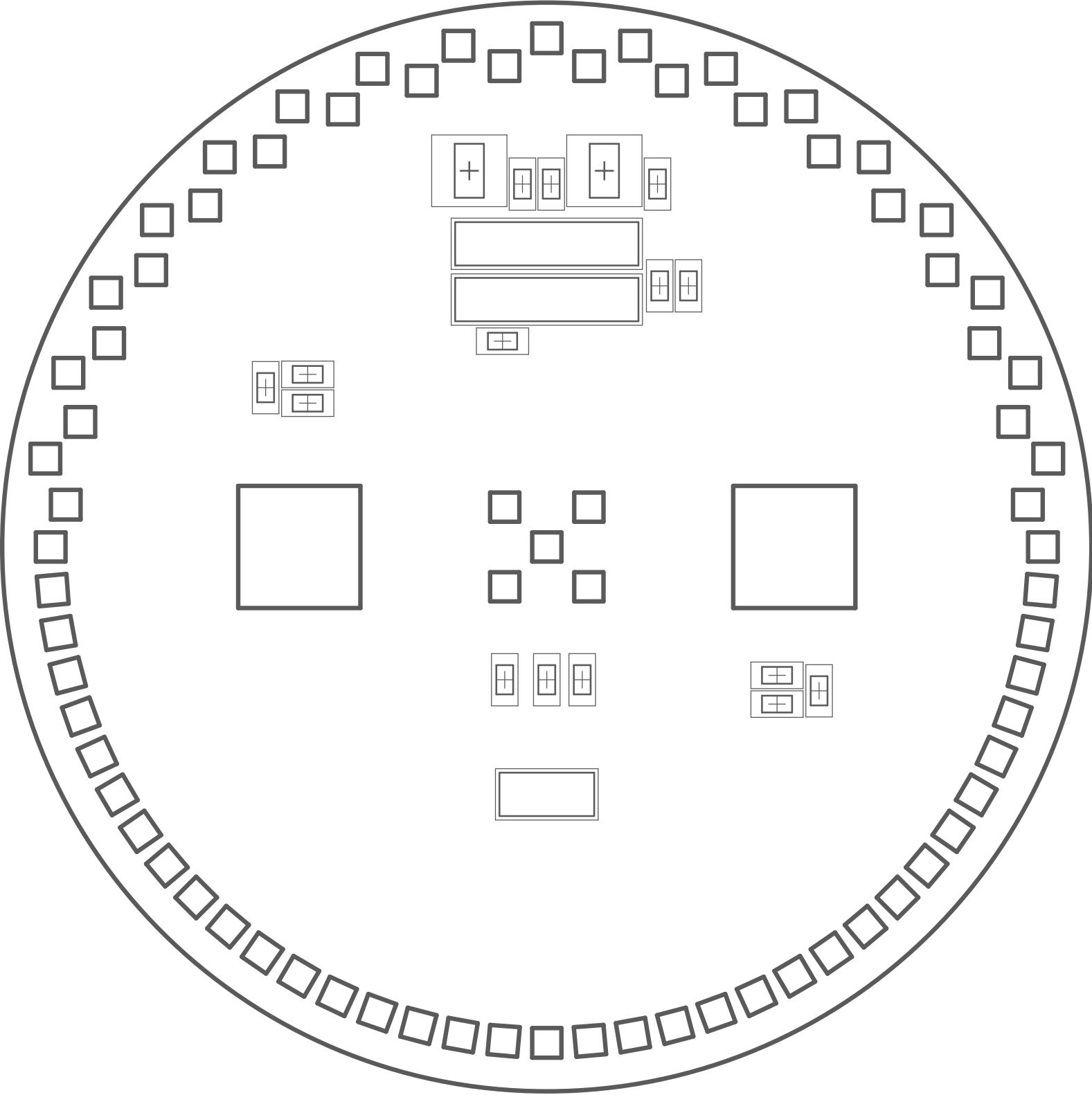


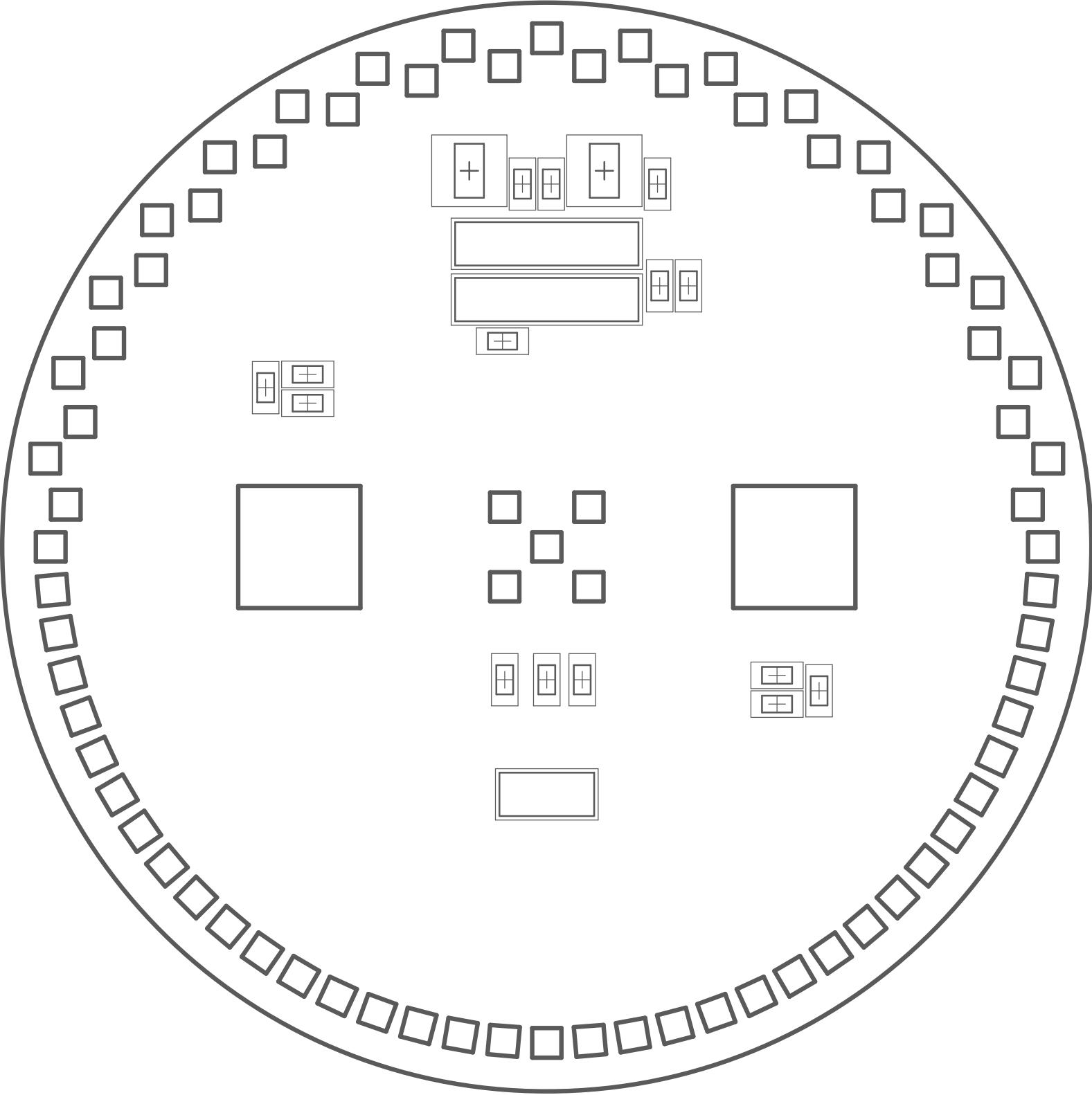


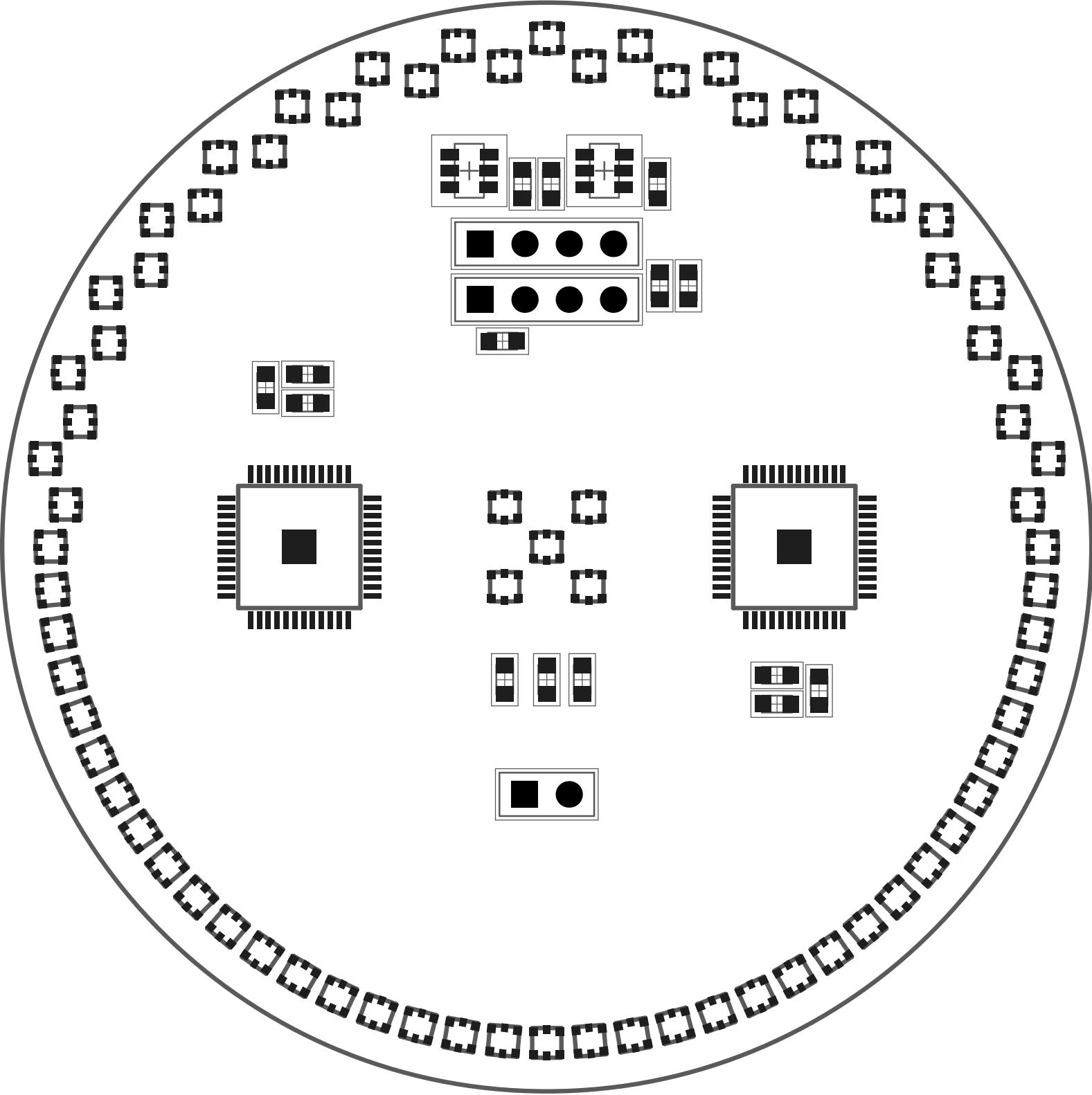


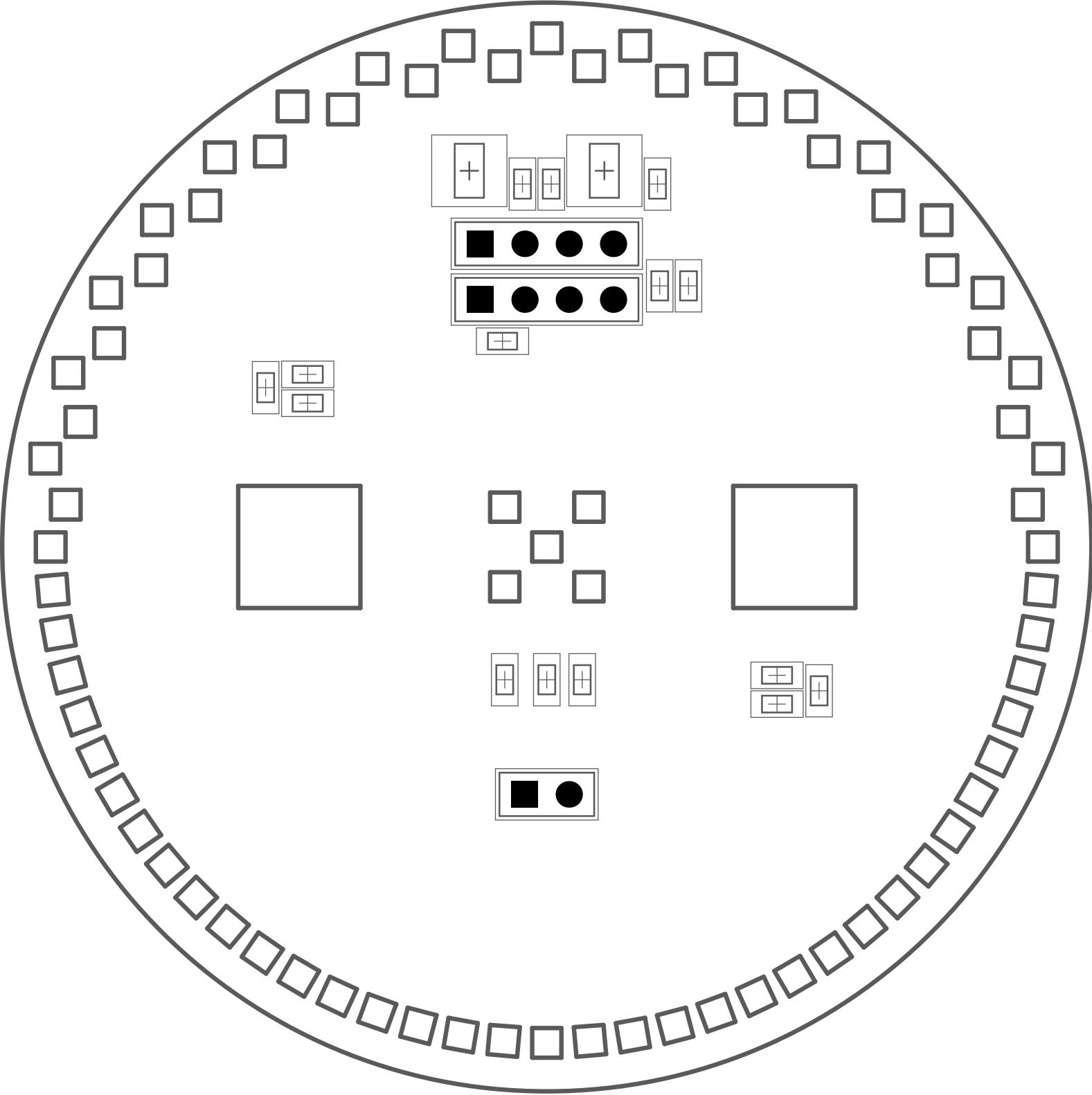


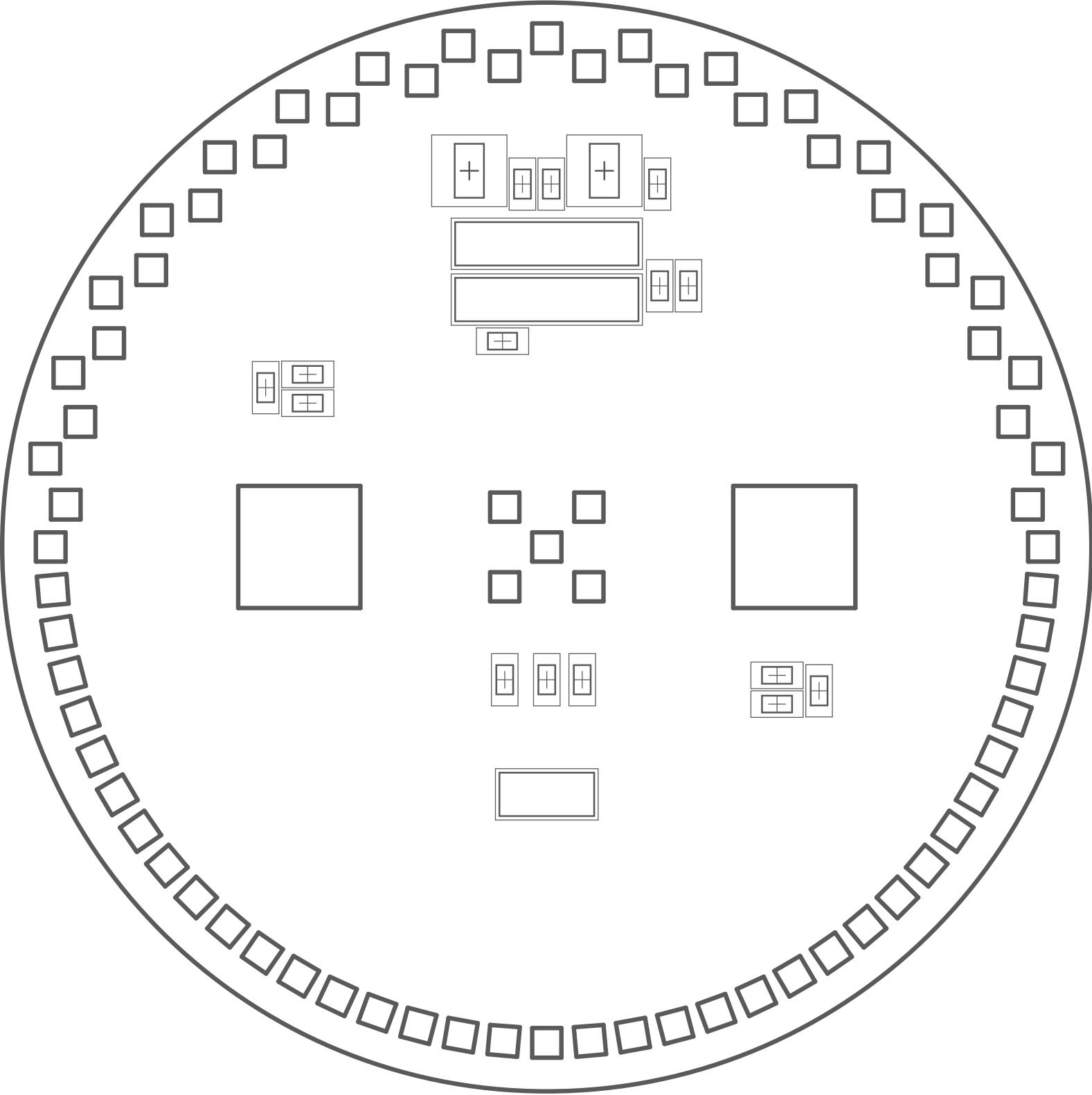


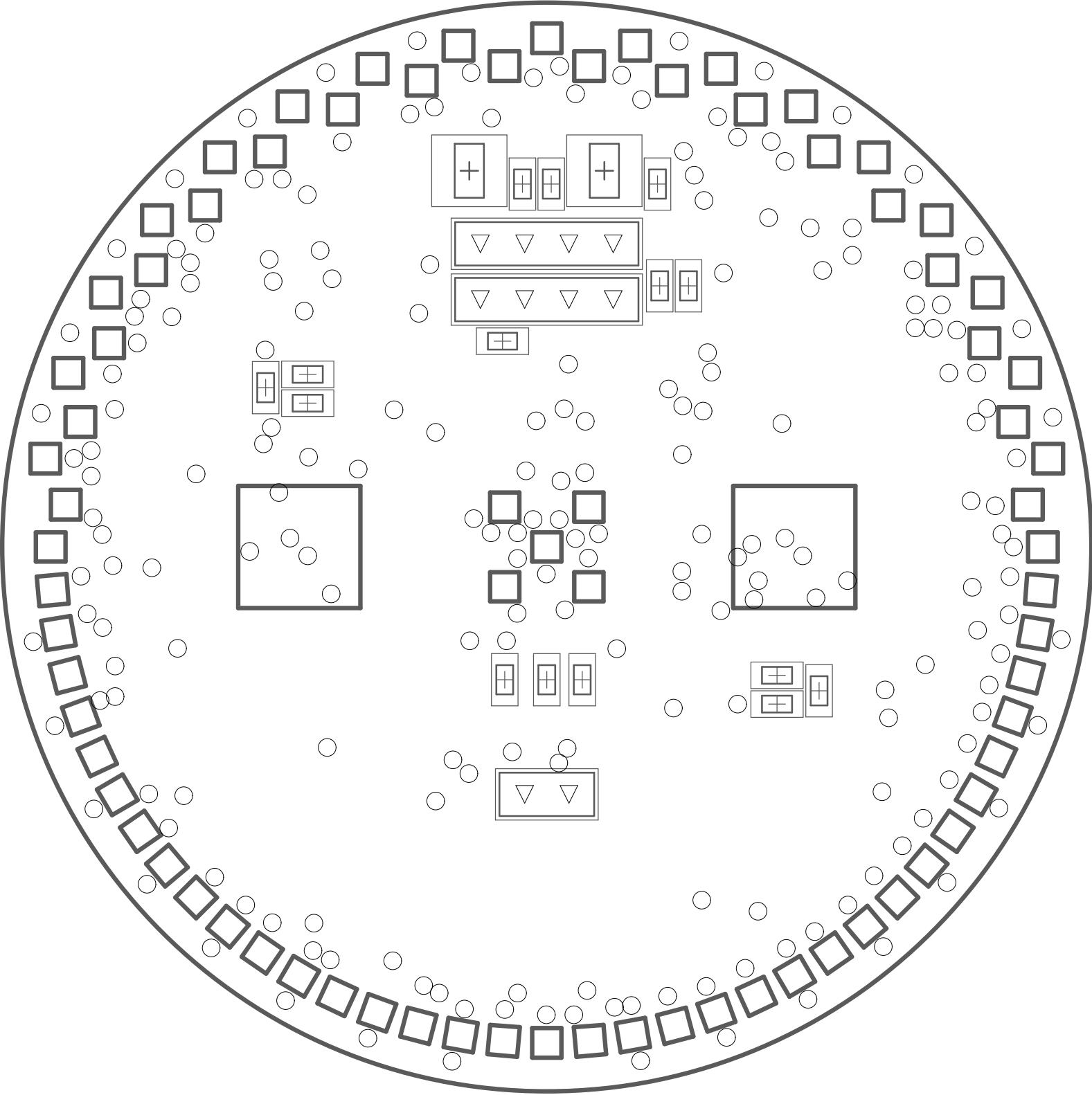


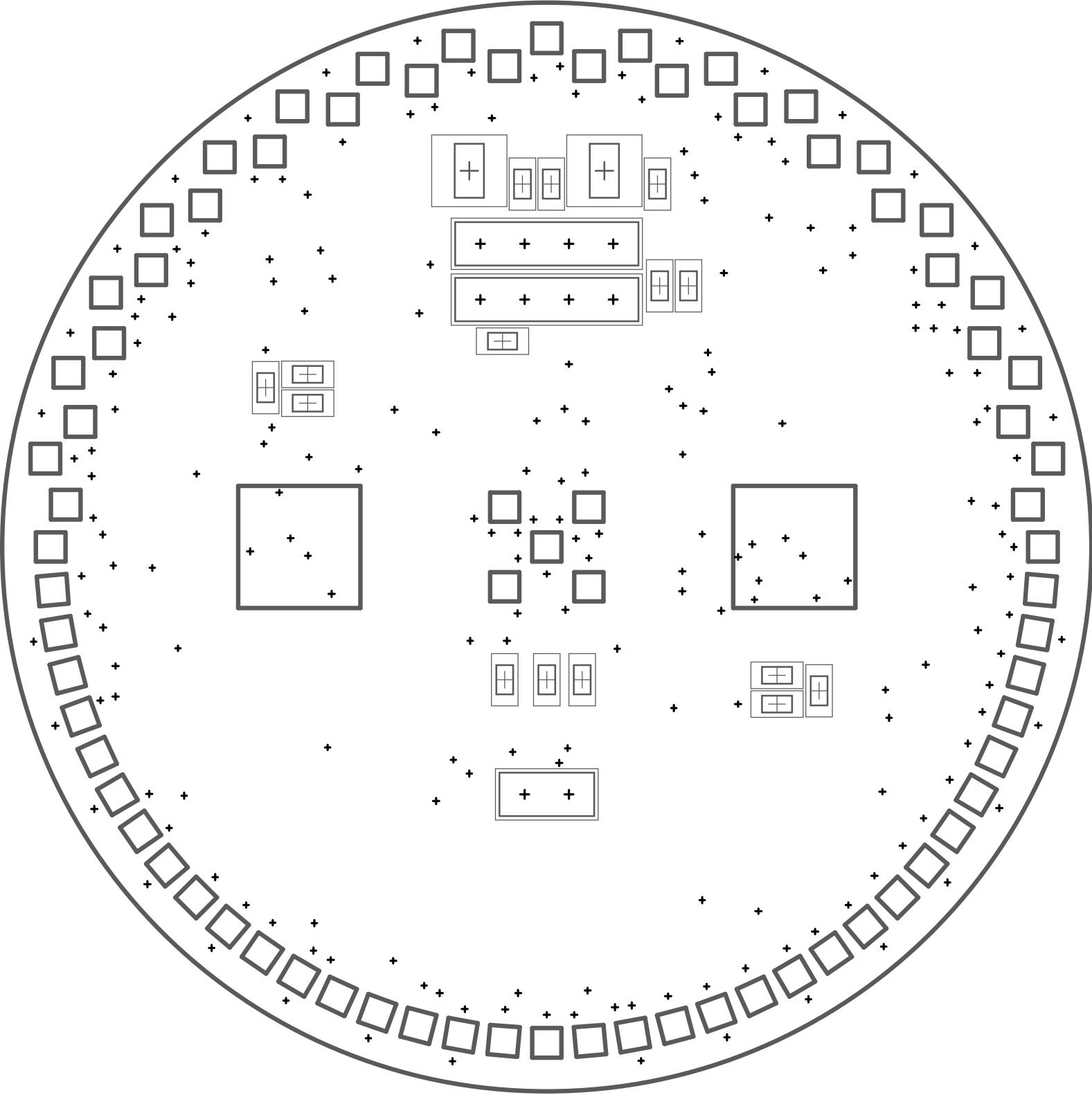














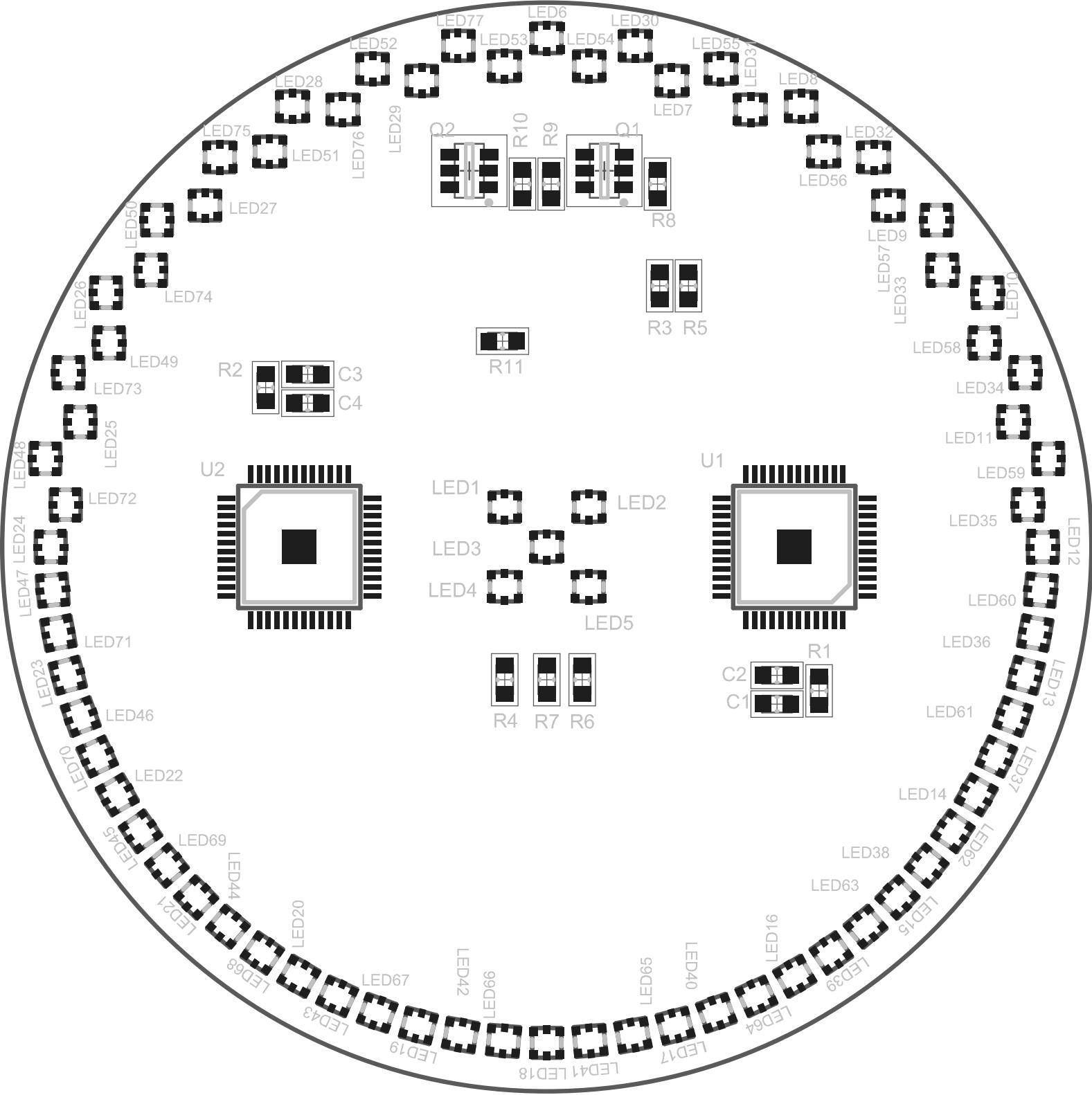
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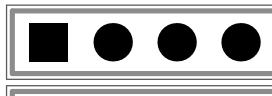
2015-12-10

LEDBO\_LRTBR98G\_72.P 14:15:17

Item #	Quantity	Designator	Manufacturer	Manufacturer Part Number	PartNumber
1	2	U1, U2	ISSI	IS31FL3236-TQLS2	
2	1	R11			
3	2	R1, R2			
4	2	R3, R5			
5	3	R8, R9, R10			
6	3	R4, R6, R7			
7	2	Q1, Q2	NXP Semiconductors	PBSS4160DS,115	PBSS4160DS
8	77	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16, LED17, LED18, LED19, LED20, LED21, LED22, LED23, LED24, LED25, LED26, LED27, LED28, LED29, LED30, LED31, LED32, LED33, LED34, LED35, LED36, LED37, LED38, LED39, LED40, LED41, LED42, LED43, LED44, LED45, LED46, LED47, LED48, LED49, LED50, LED51, LED52, LED53, LED54, LED55, LED56, LED57, LED58, LED59, LED60, LED61, LED62, LED63, LED64, LED65, LED66, LED67,	OSRAM		
9	2	C1, C3			
10	2	C2, C4			

Description	Comment	Case-EIA	Value
IC 36 CHANNELS LED DRIVER 100k 0.1W 5% 0603 (1608 Metric) SMD	IS31FL3236-TQLS2 100 kOhm	0603	100 kOhm
2k 0.1W 5% 0603 (1608 Metric) SMD	2 kOhm	0603	2 kOhm
4K7 0.1W 5% 0603 (1608 Metric) SMD	4.7 kOhm	0603	4.7 kOhm
8K2 0.1W 5% 0603 (1608 Metric) SMD	8.2 kOhm	0603	8.2 kOhm
8R2 0.1W 5% 0603 (1608 Metric) SMD	8.2 Ohm	0603	8.2 Ohm
TRANS 2NPN 60V 1A 6TSOP	PBSS4160DS,115		
IC RGB LED OSRAM	LRTB_R98G		
Chip Cap 0603 X7R 10%	1.0uF		1.0uF
Chip Cap 0603 X7R 10%	100.0nF		100.0nF





P1



P2



P3