

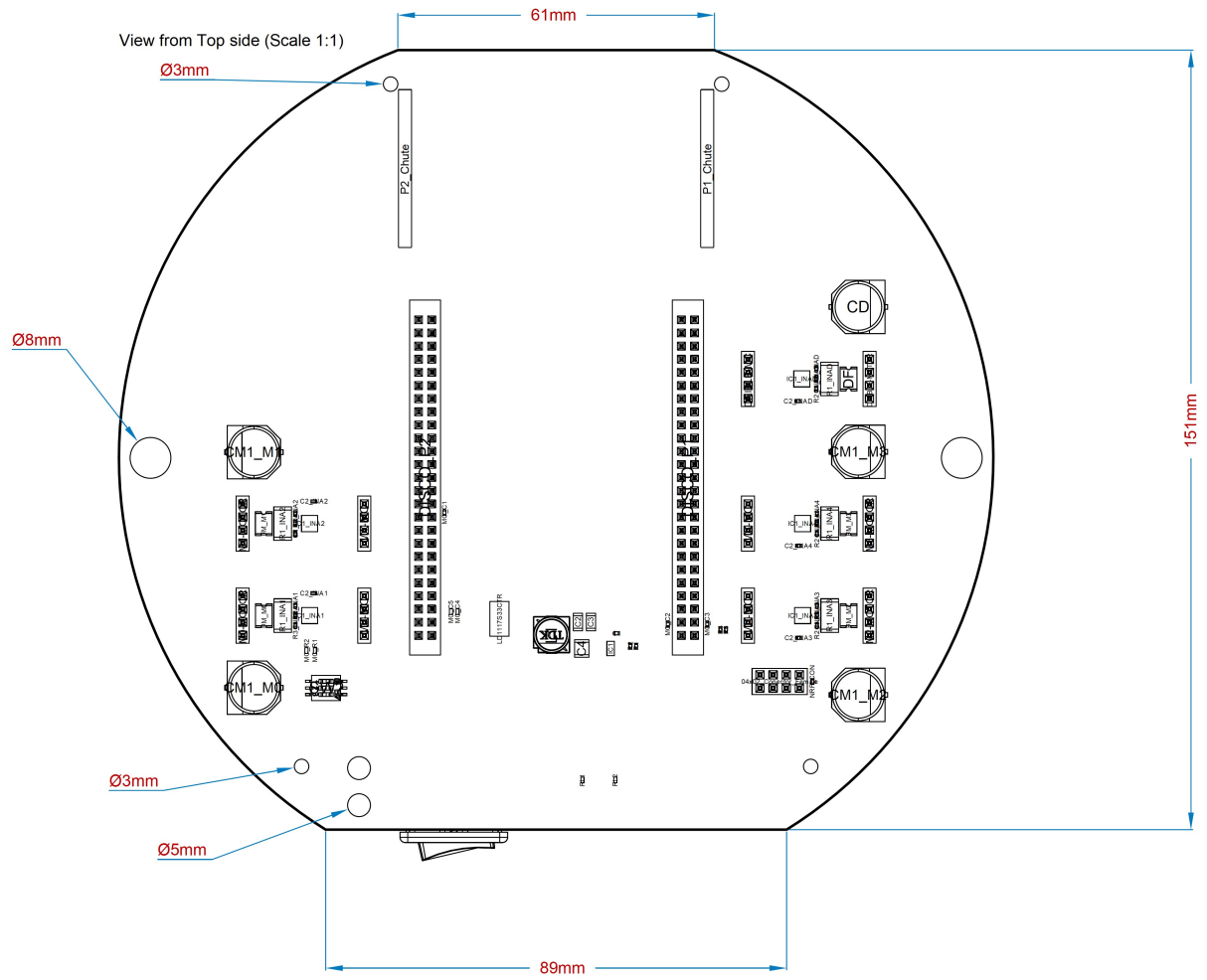
A

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D

View from Top side (Scale 1:1)



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		FINISH					
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		DO NOT SCALE DRAWING		SCALE: 1:1		WEIGHT:	SHEET 1 OF 7

A

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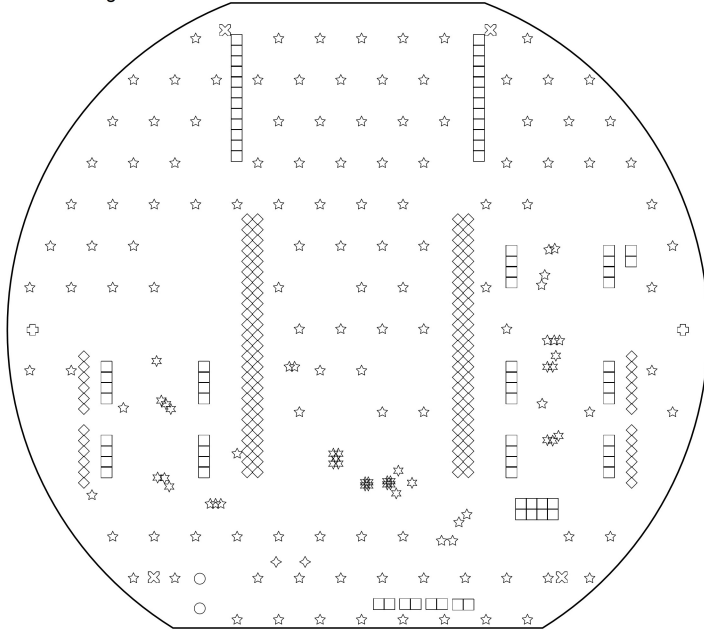
A

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C

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Drill Drawing View



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
□	82	0.90	Plated	None
○	2	4.62	Plated	+/-0.05
◇	124	0.80	Plated	None
⊗	4	3.00	Plated	None
⊙	2	8.08	Plated	None
◇	2	1.50	Plated	None
☆	134	0.60	Plated	None
☆	29	0.30	Plated	None

Bill Of Materials

Item	Designator	Comment	Footprint	Quantity
1	04x02_Conector_Female	PPPC042LFBN-RC	04x02_Conector_Female	1
2	06x01_Conector_Male_M0	MOTOR 0	06x01_Conector_Male	1
3	06x01_Conector_Male_M1	MOTOR 1	06x01_Conector_Male	1
4	06x01_Conector_Male_M2	MOTOR 2	06x01_Conector_Male	1
5	06x01_Conector_Male_M3	MOTOR 3	06x01_Conector_Male	1
6	BAT	XT60	BATTERY_CONNECTOR-PCB	1
7	C2, C3	22uF	1206-CAP	2
8	C4	10uF	PCBComponent	1
9	CD, CM1_M0-CM1_M3	EEE-FK1C681GP	EEE-FK1C681GP	5
10	CON_DRIBLE	DRIBLE	02x01_Conector_Male	1
11	DISCO_P1, DISCO_P2	SFH11-PBPC-D25-ST-BK	25x02_Conector_Female	2
12	DRIBLE-MOTOR, DRIBLE-MC, M3-MC, M0-MC, M0-MOTOR, M1-MC, M1-MOTOR, M2-MC, M2-MOTOR, M3-MOTOR	PPPC041LFBN-RC	04x01_Conector_Female - duplicate	10
13	FM_M0-FM_M3, DF	MSMF	RESC4632X16N	5
14	IC1	TPS5632	SOT95P280X110-6N	1
15	IC1_INA1-IC1_INA4, IC1_INAD	INA220	TSSOP10	5
16	L1	CLF7045T	CLF7045T	1
17	LD1117S33CTR	LD1117S33CTR	SOT-223_N	1
18	MC_C1-MC_C5, C2_INA1-C2_INA4, C1_INA1-C1_INA4, C1_NRF_CON, C1_INAD, C2_INAD	100nF	0402	17
19	MC_R1, MC_R2	4,7k	0402	2
20	P1_Chute, P2_Chute	Header 12	HDR1X12	2
21	R1_INA1-R1_INA4, R1_INAD	0R02	2512-RES-HD	5
22	R2_INA1-R2_INA4, R3_INA1, R3_INA3, R3_INA4, 0R, R3_INAD, R2_INAD	0R	0402-RES-HD	10
23	R2, R3	10K	0402-RES-HD	2
24	R1, R4	33K	0402-RES-HD	2
25	RL1, RL2	330	0402	2
26	SEN1, SEN2, LED1, LED2	0022112022	02x01_Conector_Male	4
27	SW	R1966A	R1966AB-PCB	1
28	SW?	416131160803	416131160803	1

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Paste			Paste Mask	GTP
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
		1.50mm	FR-4	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
	Bottom Paste			Paste Mask	GBP

Total thickness: 1.59mm

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		MATERIAL		COMMENTS:	
NEXT ASSY		USED ON		FINISH	
APPLICATION		DO NOT SCALE DRAWING		SCALE: 1:1	
				WEIGHT:	
				SHEET 2 OF 7	

A

B

C

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A

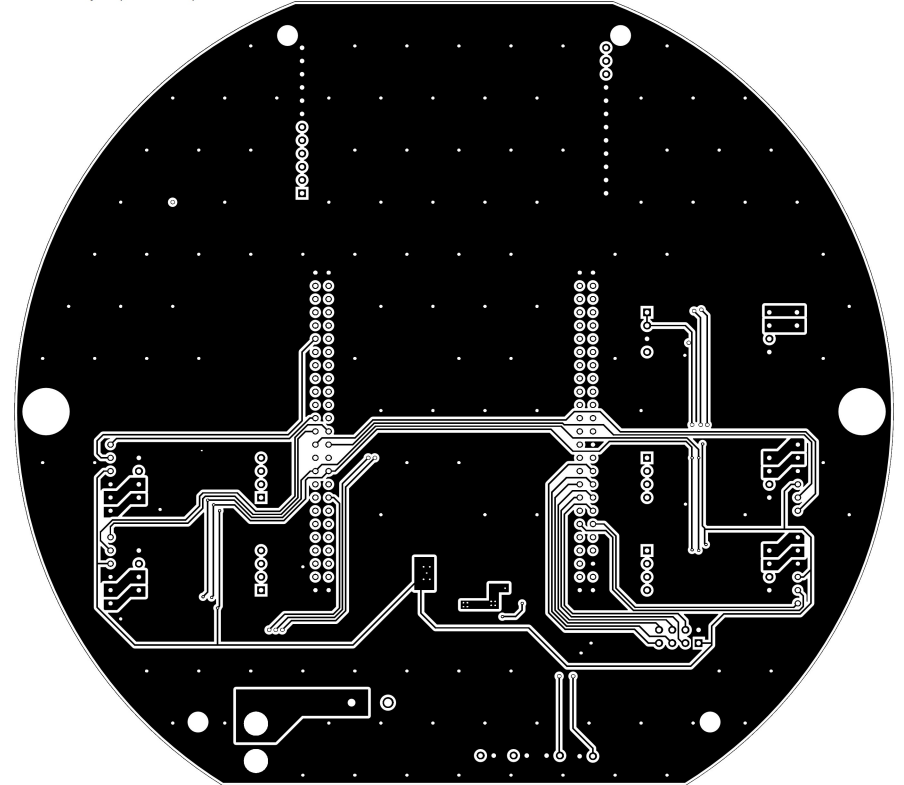
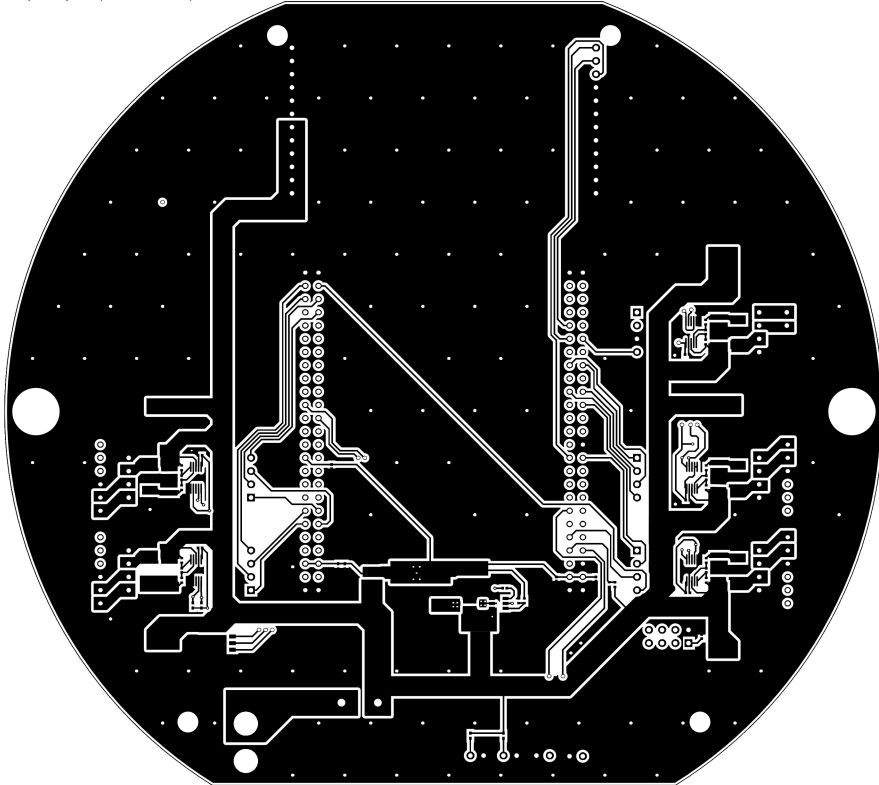
B

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Top Layer (Scale: 1:1)

Bottom Layer (Scale 1:1)



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		MATERIAL					
NEXT ASSY		USED ON					
APPLICATION		FINISH					
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				SCALE:	1:1	WEIGHT:	
						SHEET 3 OF 7	

A

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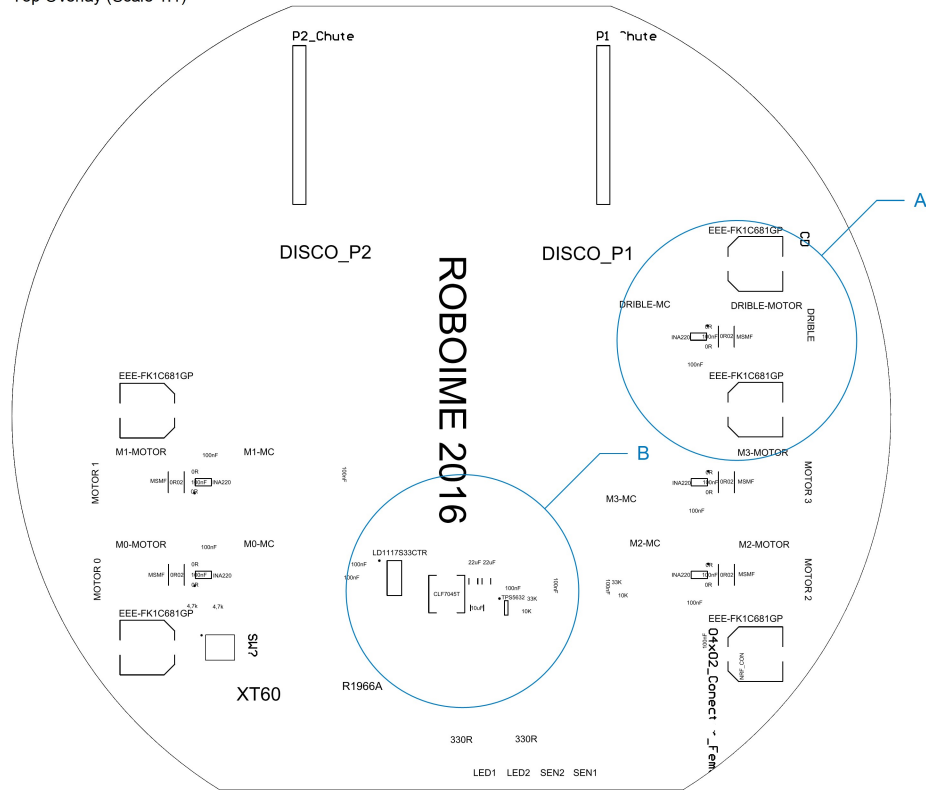
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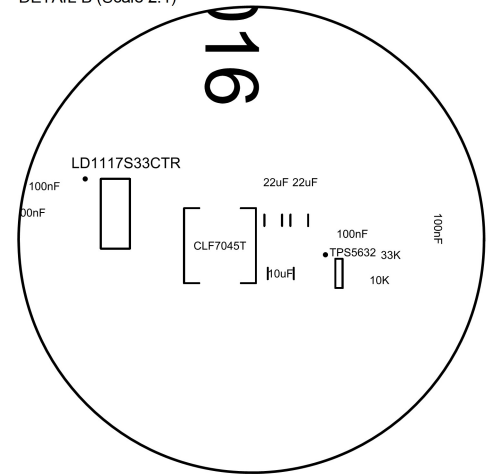
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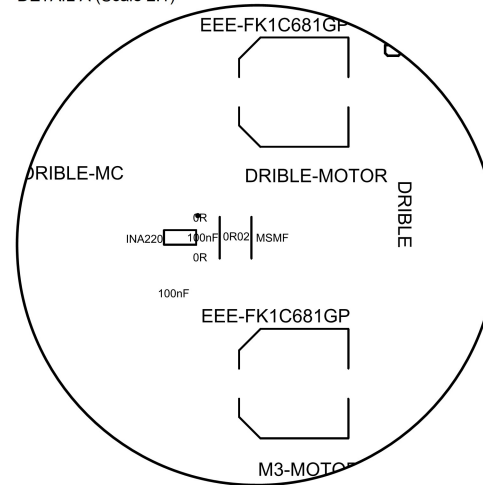
Top Overlay (Scale 1:1)



DETAIL B (Scale 2:1)



DETAIL A (Scale 2:1)



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				SHEET 4 OF 7			

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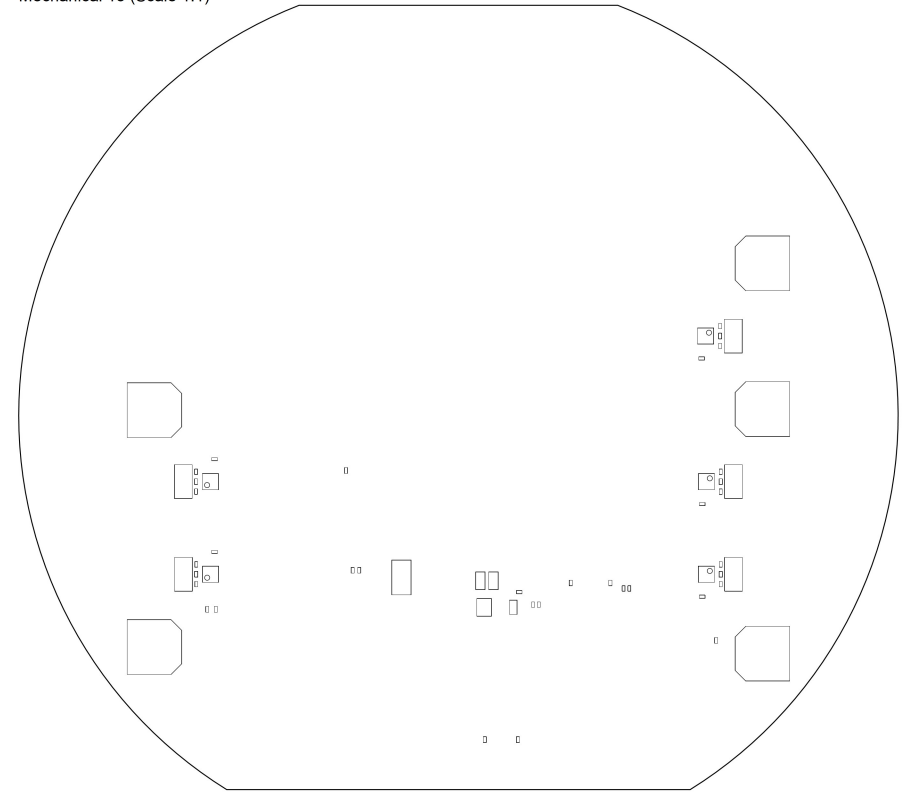
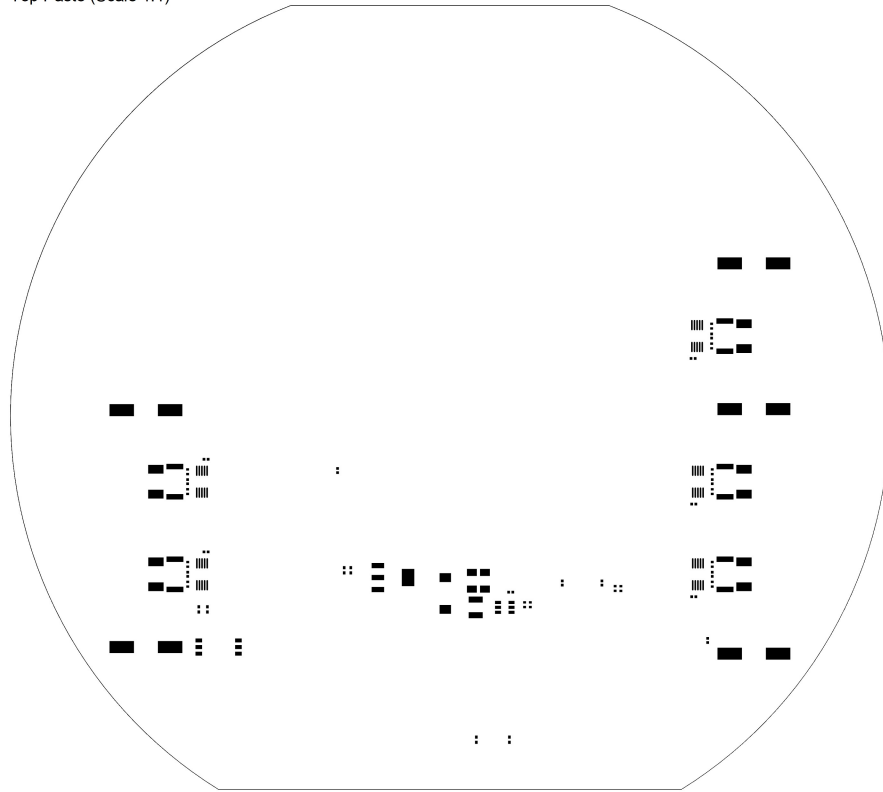
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Top Paste (Scale 1:1)

Mechanical 13 (Scale 1:1)



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		THREE PLACE DECIMAL ±	COMMENTS:				SIZE	DWG. NO.
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		MATERIAL						
		FINISH						
NEXT ASSY	USED ON	APPLICATION				SCALE: 1:1	WEIGHT:	SHEET 5 OF 7
		DO NOT SCALE DRAWING						

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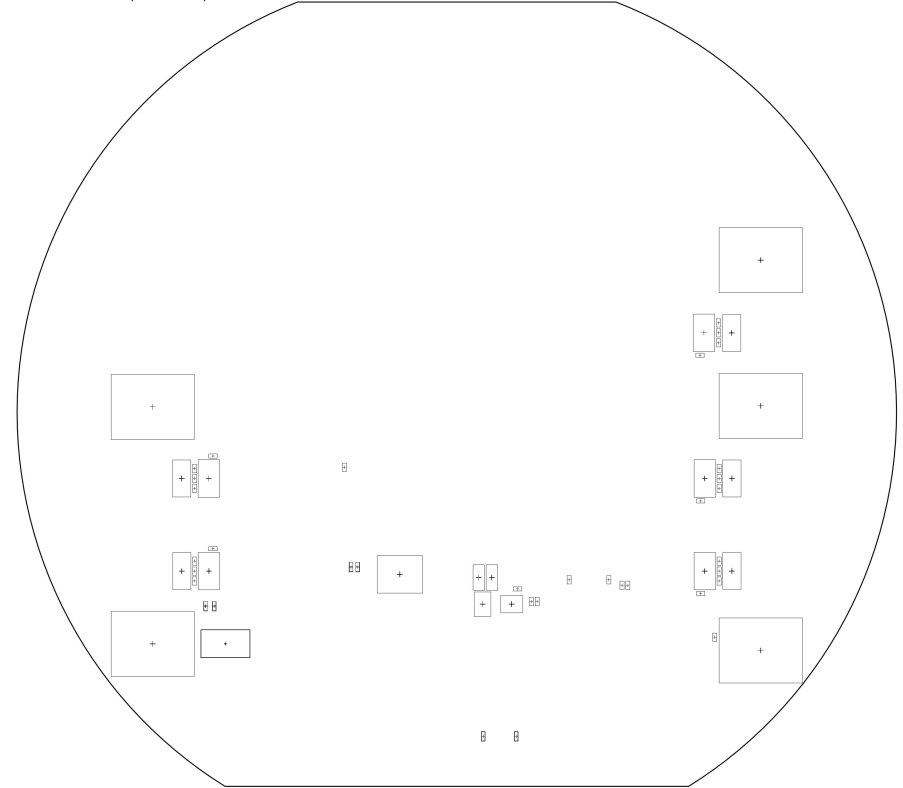
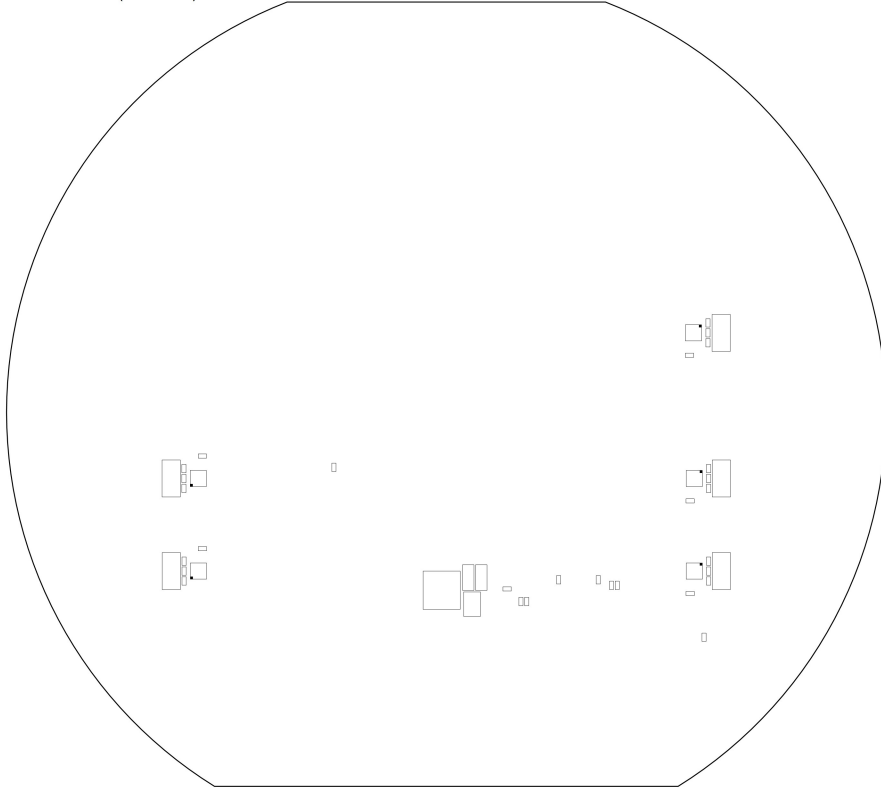
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Mechanical 29 (Scale 1:1)

Mechanical 15 (Scale 1:1)



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		MATERIAL					
NEXT ASSY		USED ON		FINISH		SIZE	DWG. NO.
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:
						SHEET 6 OF 7	

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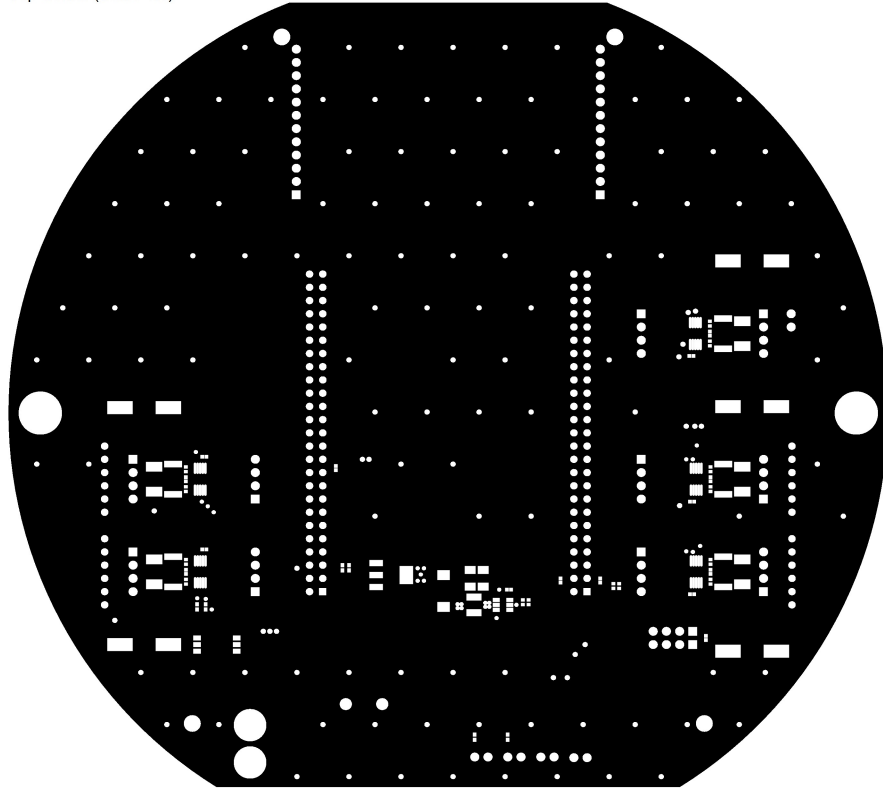
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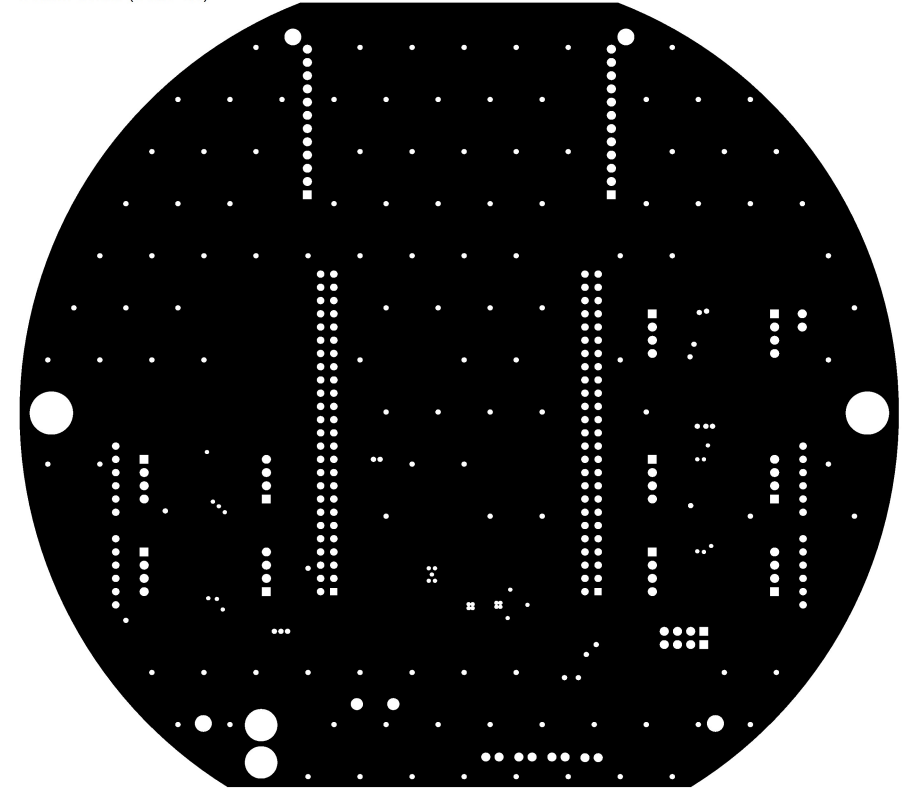
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Top Solder (Scale 1:1)



Bottom Solder (Scale 1:1)



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		THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.
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		MATERIAL					
		FINISH					
NEXT ASSY	USED ON	APPLICATION				SCALE: 1:1	WEIGHT:
		DO NOT SCALE DRAWING					SHEET 7 OF 7

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