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# IR2101 +IRFZ44

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			DIMENSIONS ARE IN INCHES	DRAWN	R.Babazadeh	10/05/1400				
			TOLERANCES:	CHECKED			TITLE  IR2101+IRFZ44			
			FRACTIONAL±	ENG APPR.						
			ANGULAR: MACH± BEND ±	MFG APPR.						
			TWO PLACE DECIMAL ±							
			THREE PLACE DECIMAL ±							
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			COMMENTS:			
			MATERIAL							
			FINISH							
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING	SIZE DWG. NO.						
	APPLICATION			SCALE: 1:1 WEIGHT: SHEET 1 OF 10						

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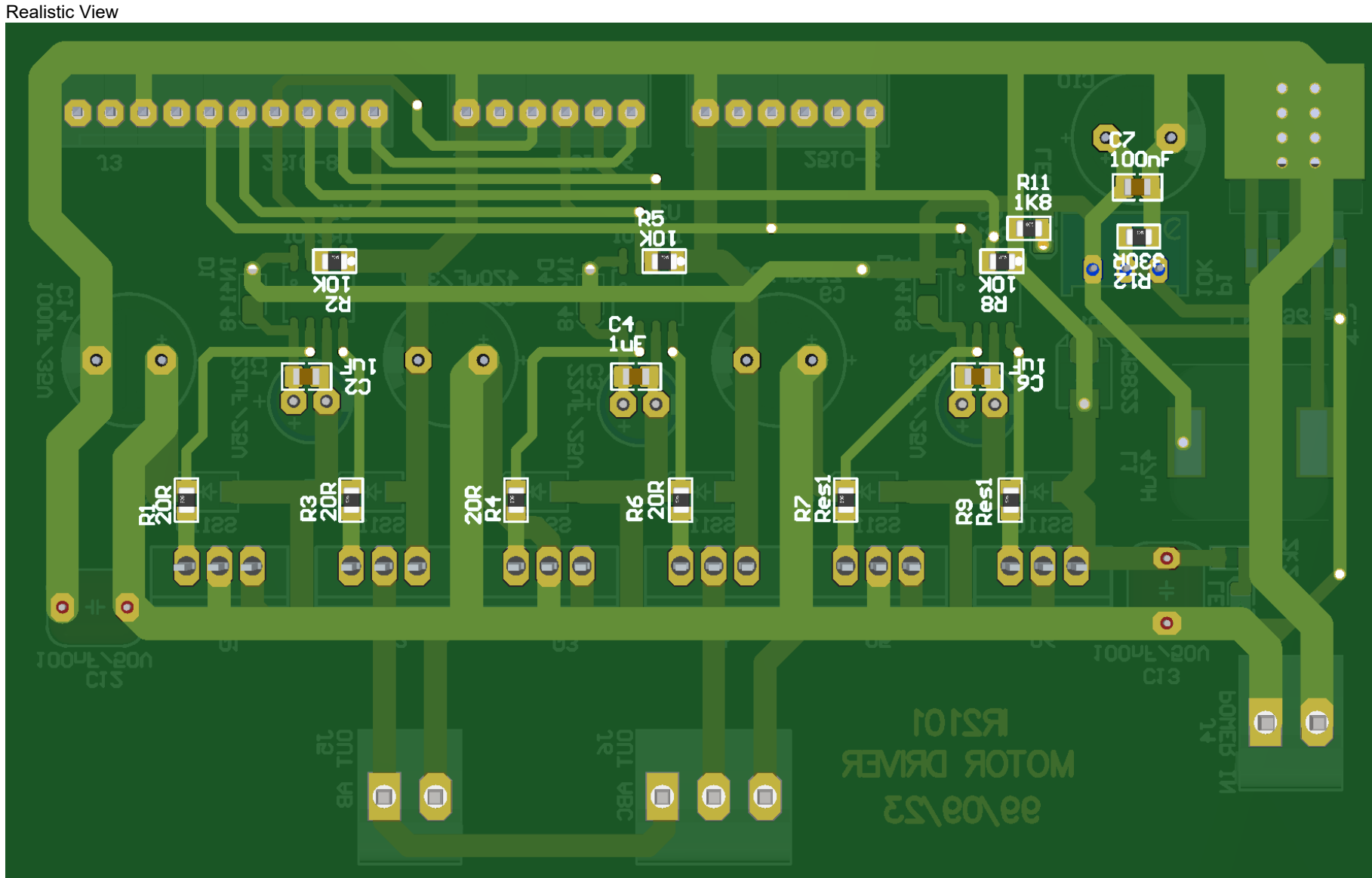
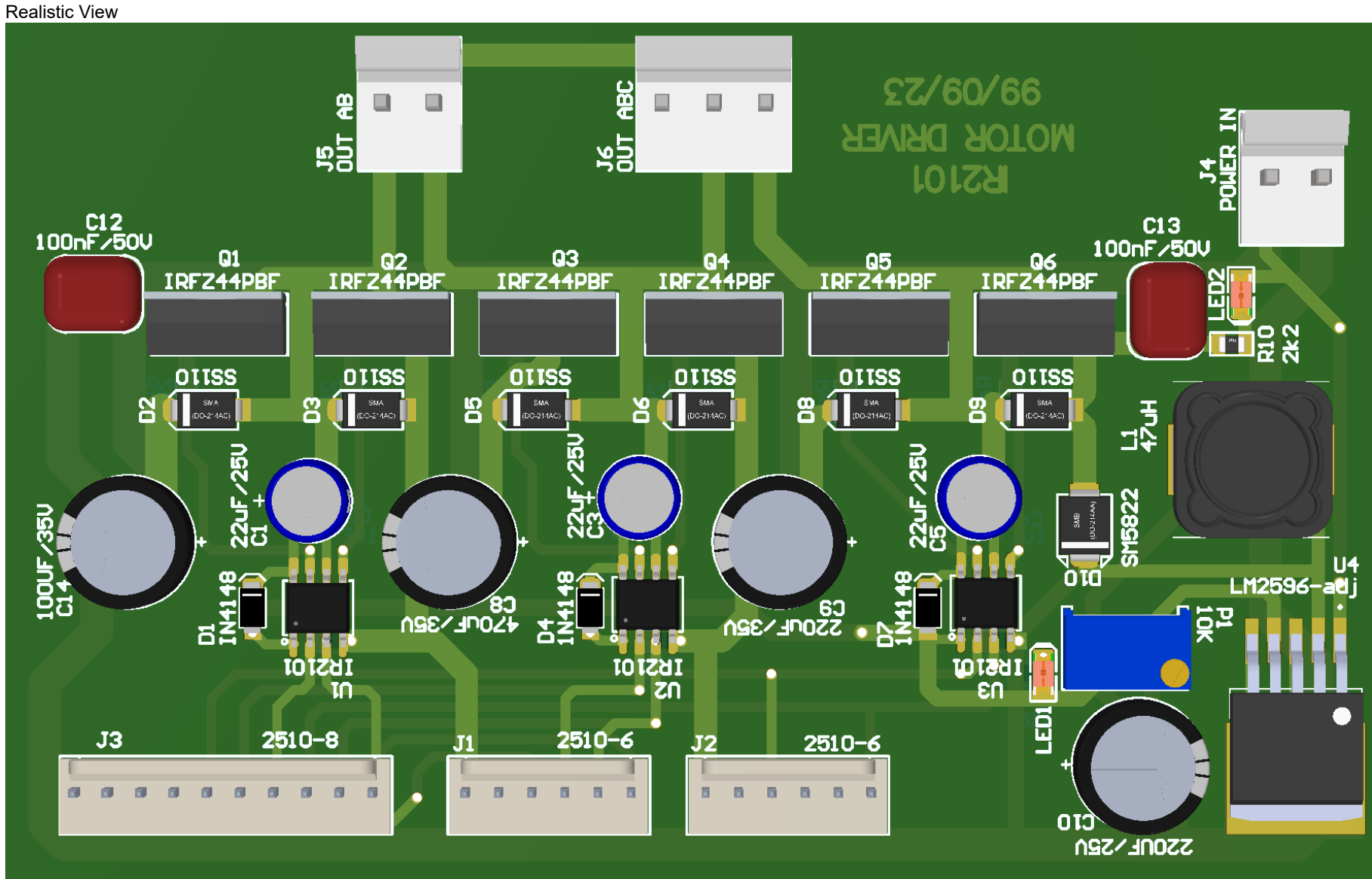
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# Board Realistic View

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			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ± BEND ±	MFG APPR.			SIZE DWG. NO.		
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			THREE PLACE DECIMAL ±	COMMENTS:			SCALE: 1:1 WEIGHT: SHEET 2 OF 10		
			INTERPRET GEOMETRIC TOLERANCING PER:						
			MATERIAL						
			FINISH						
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
	APPLICATION								

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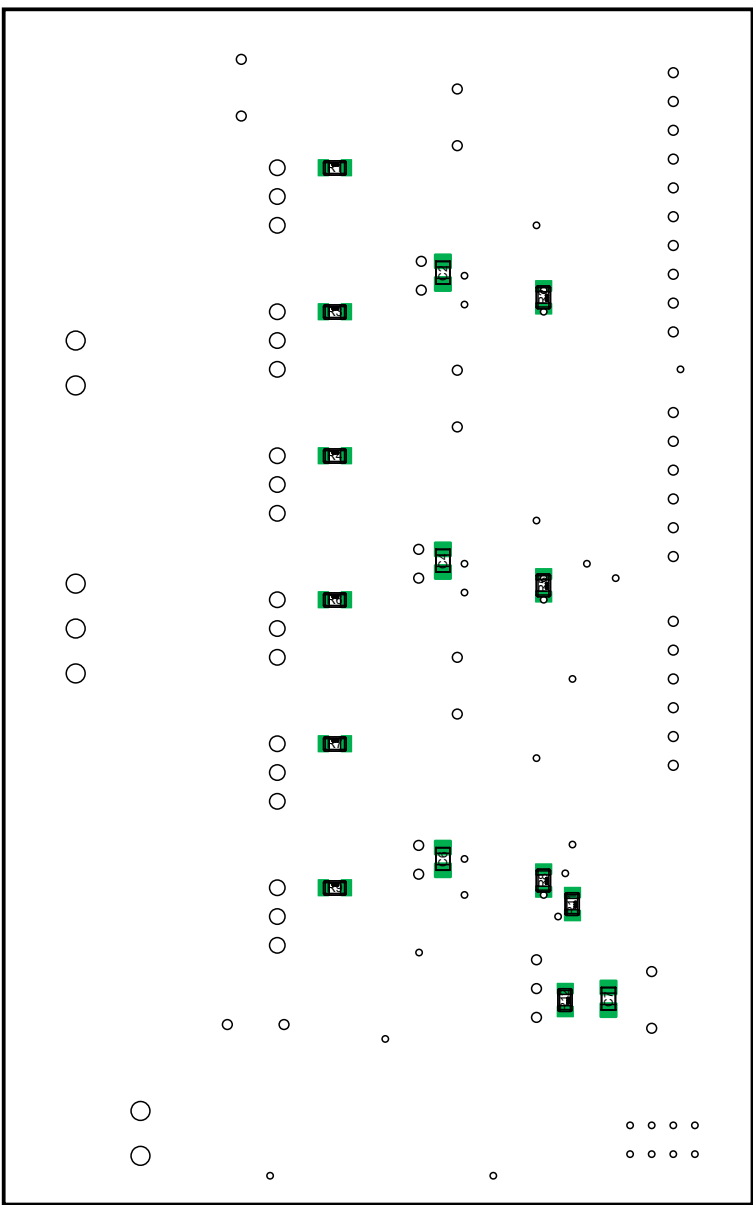
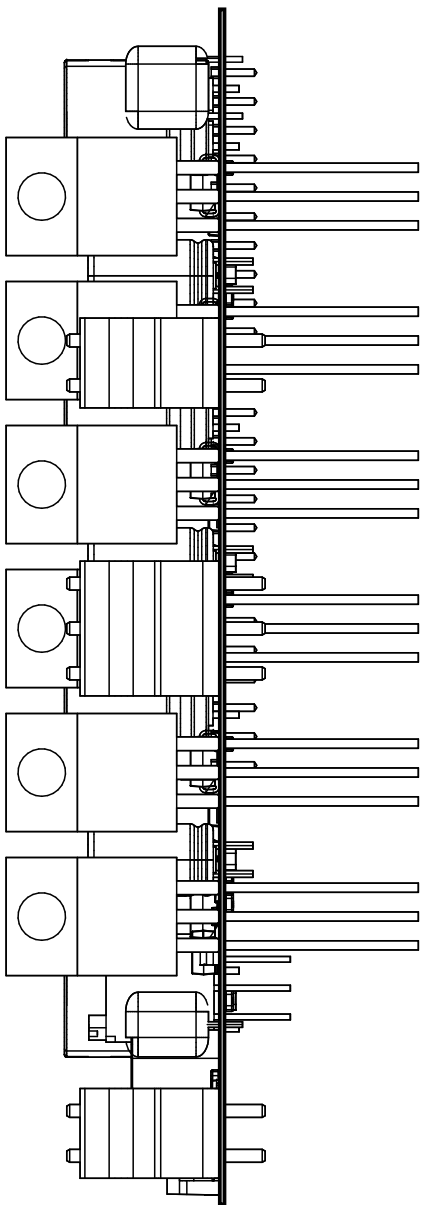
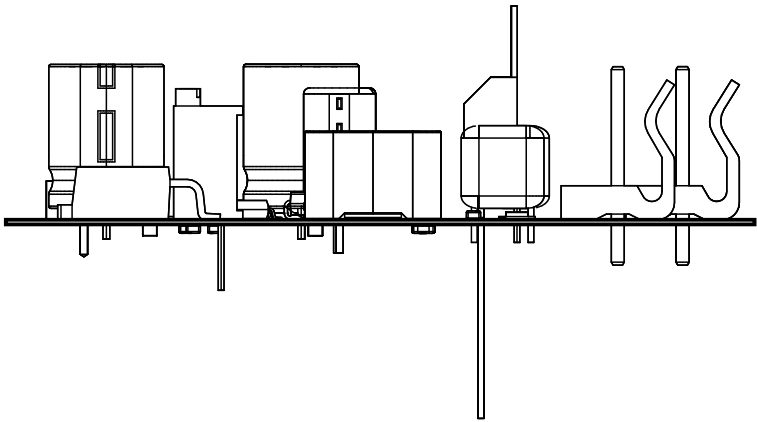
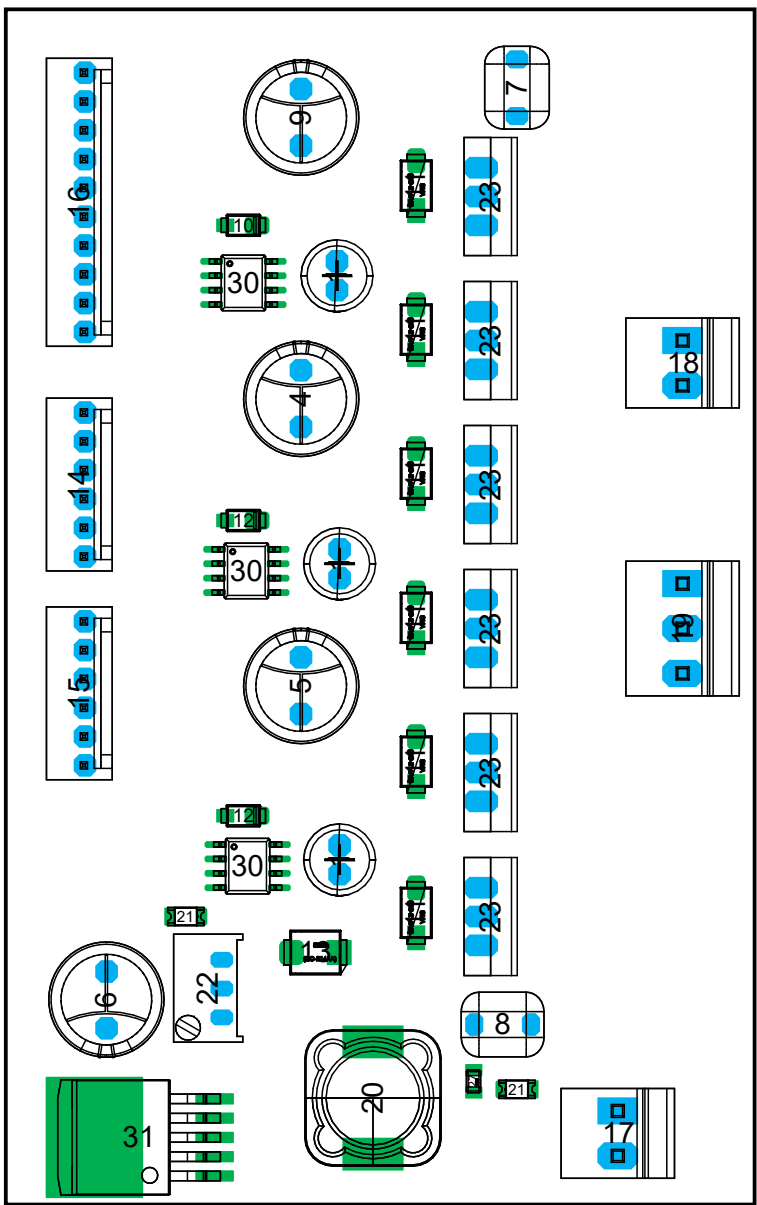
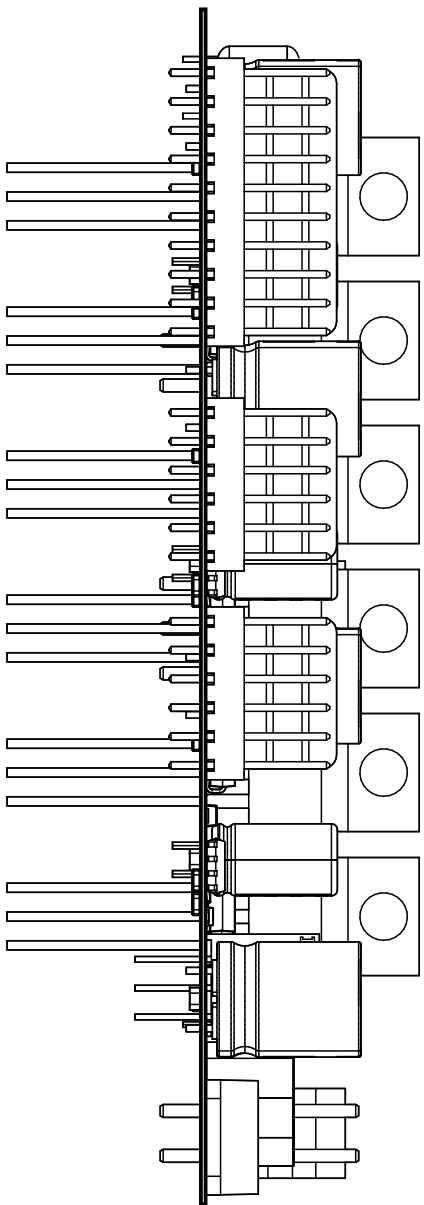
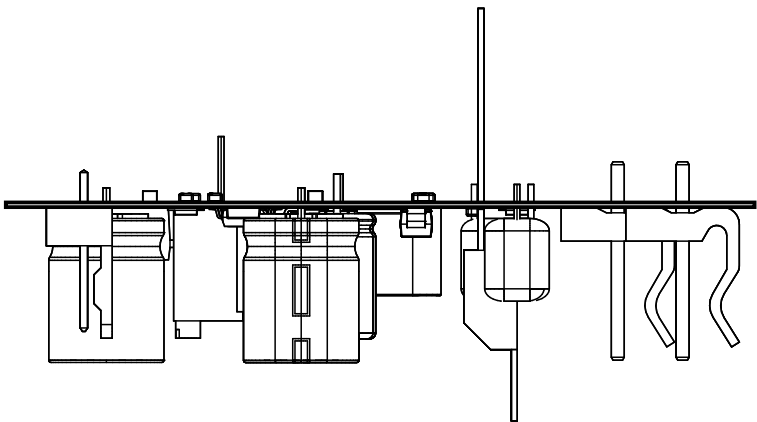
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# Board Assembly View

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			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL   ± THREE PLACE DECIMAL ±	DRAWN	R.Babazadeh	10/05/1400				
			INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED			SIZE    DWG. NO.			
			MATERIAL	ENG APPR.						
			FINISH	MFG APPR.						
				COMMENTS:						
		NEXT ASSY	USED ON		SCALE:    1:1    WEIGHT:    SHEET 3 OF 10					
		APPLICATION		DO NOT SCALE DRAWING						

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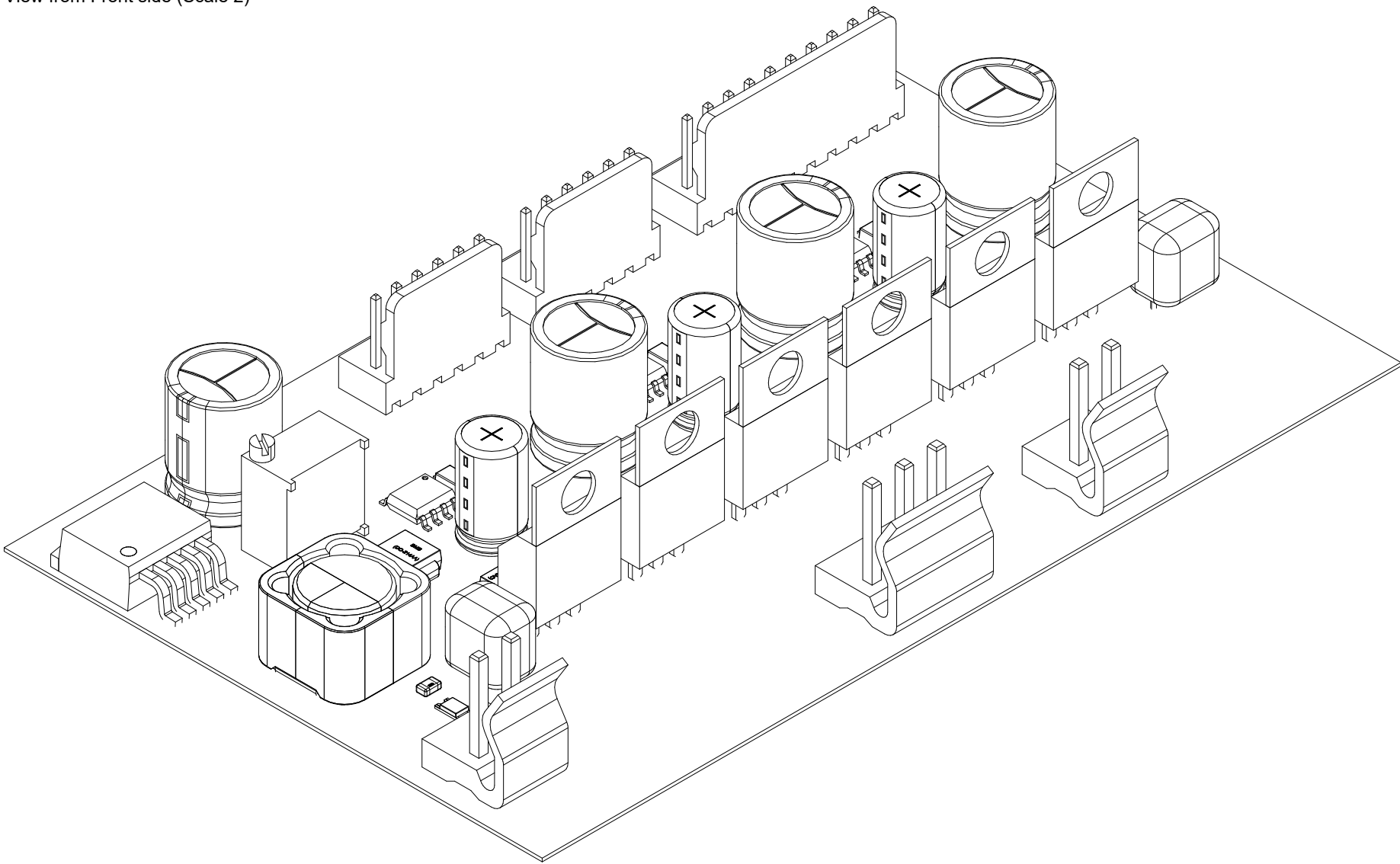
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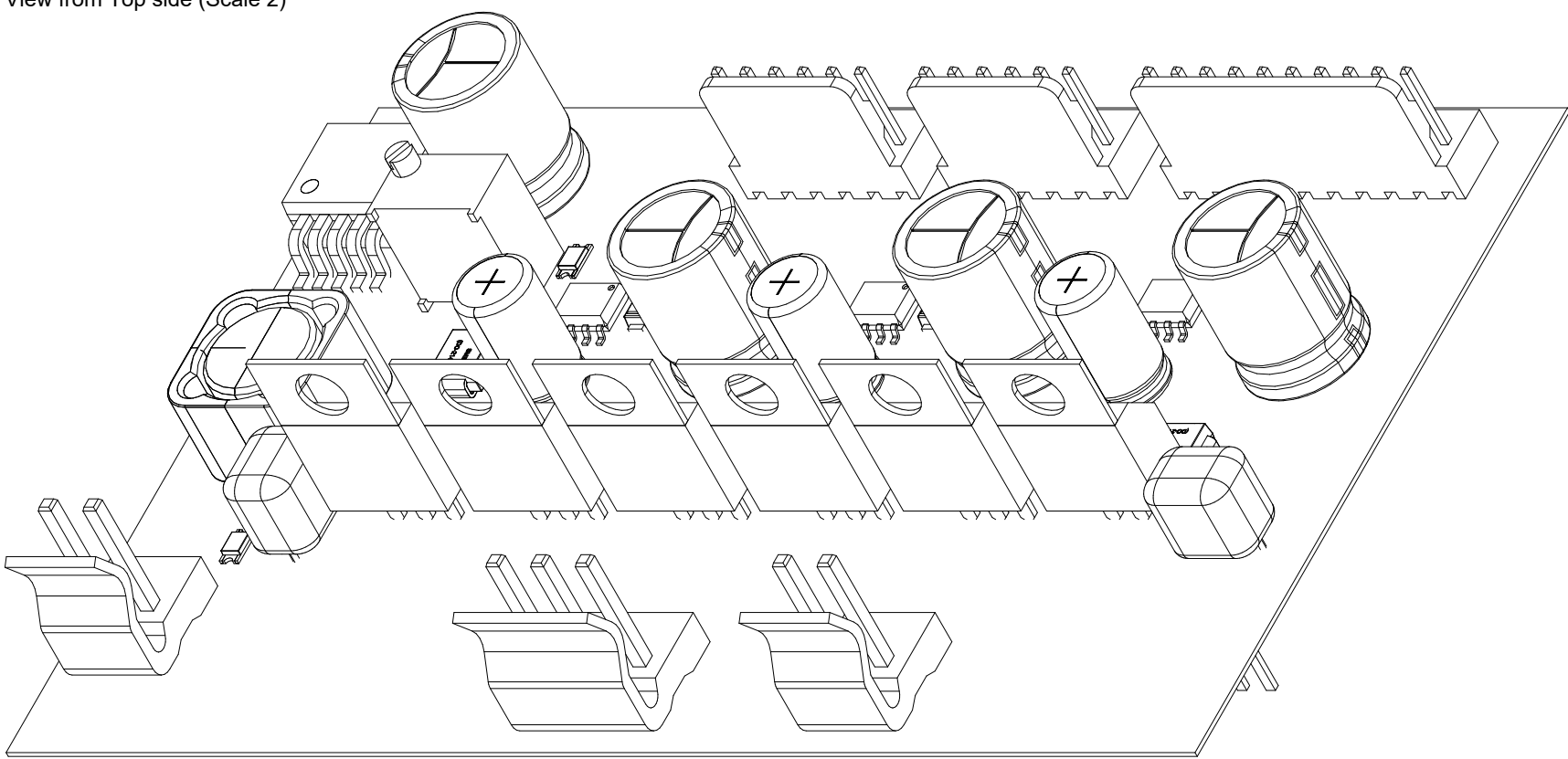
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View from Front side (Scale 2)



View from Top side (Scale 2)



Board Isometric View

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			MATERIAL							
		FINISH								
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	APPLICATION									

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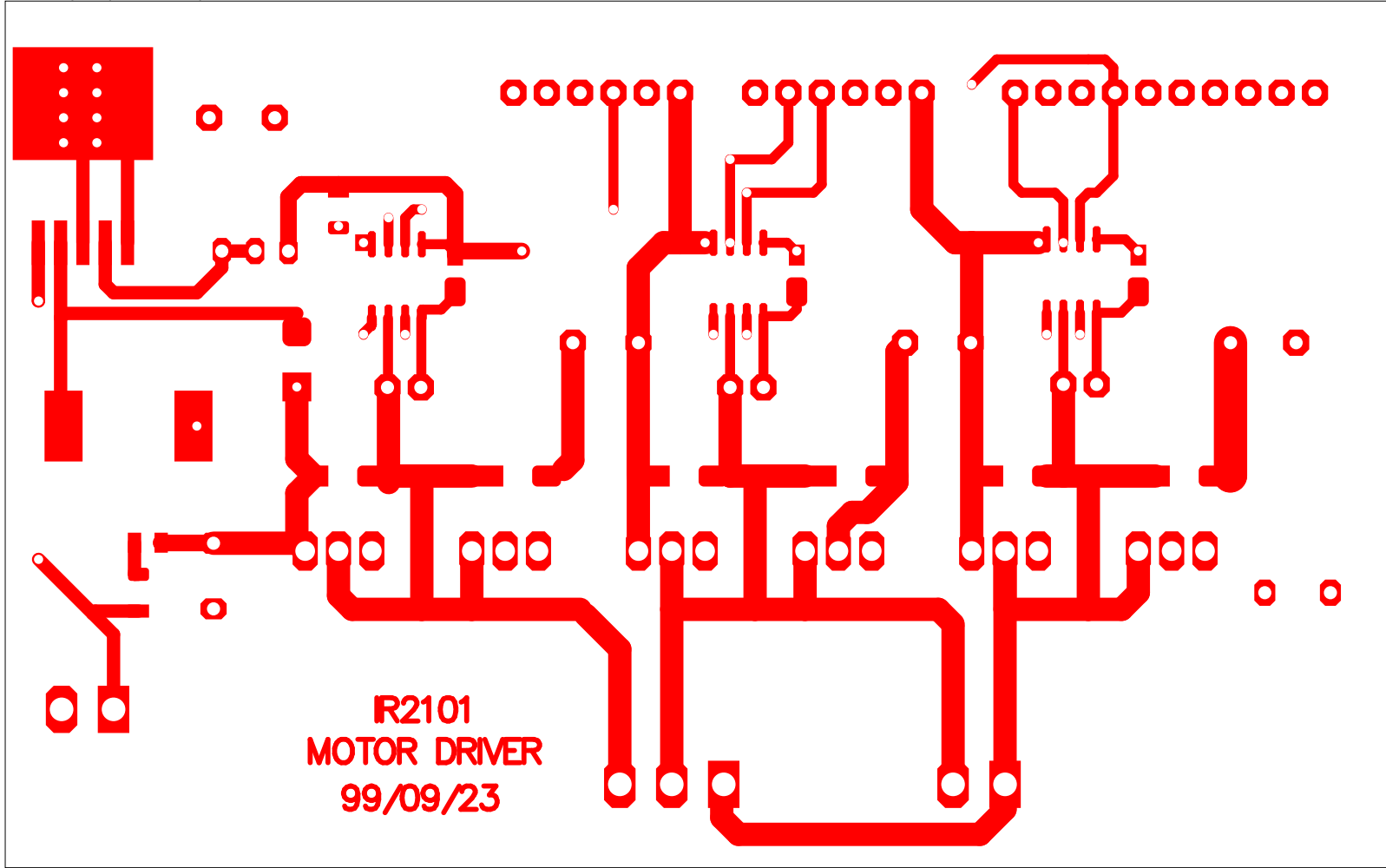
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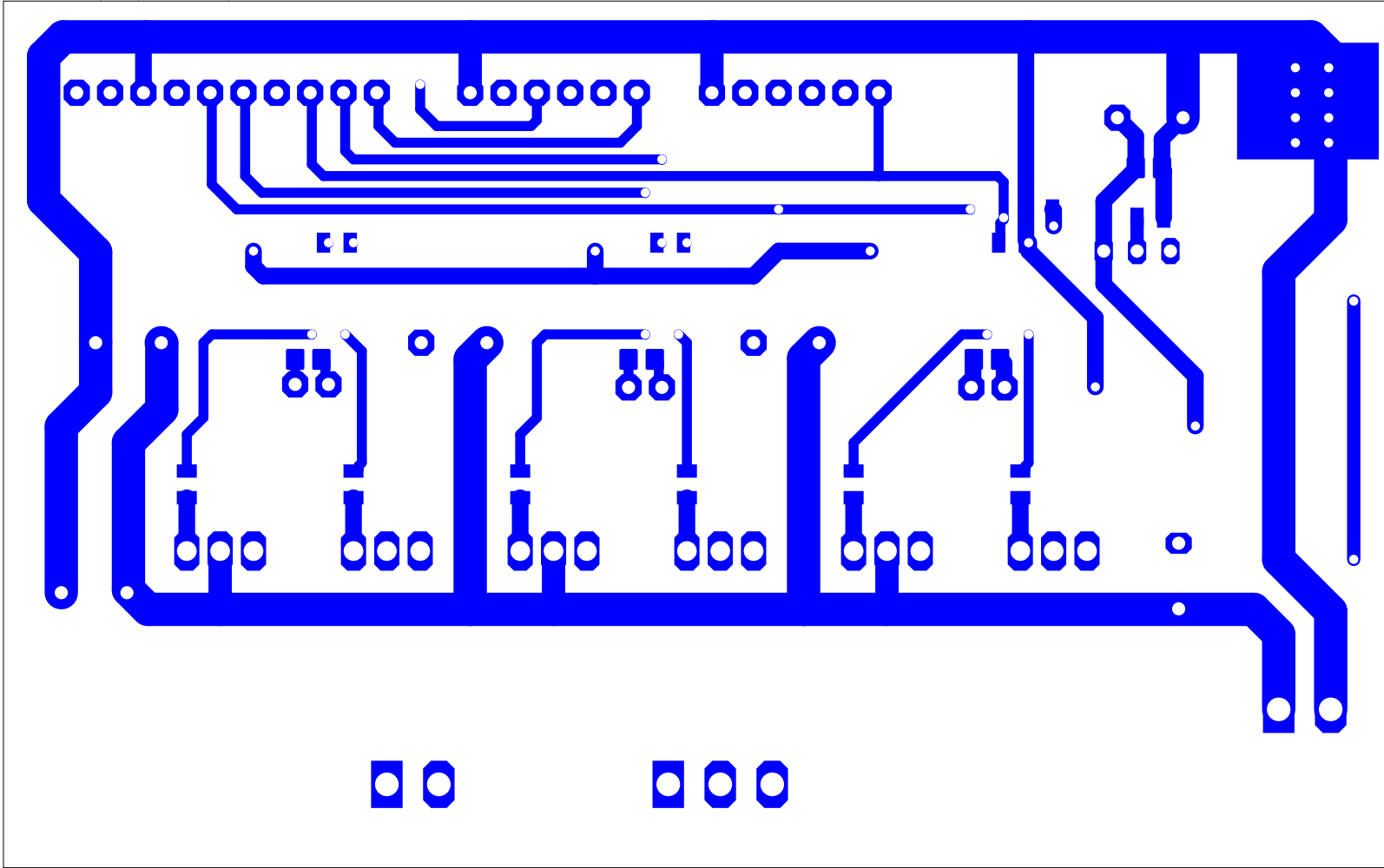
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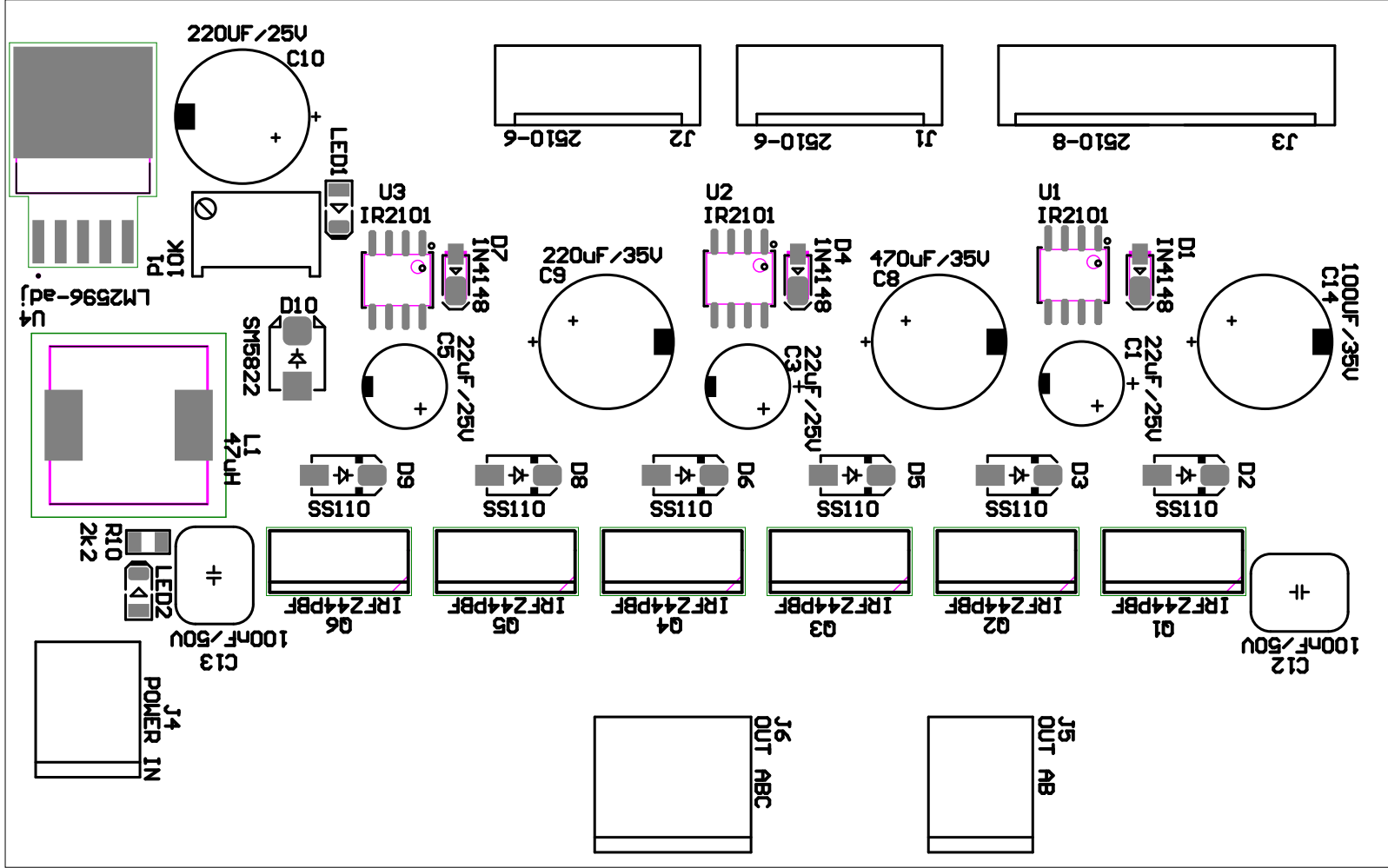
Top Layer (Scale 2:1)



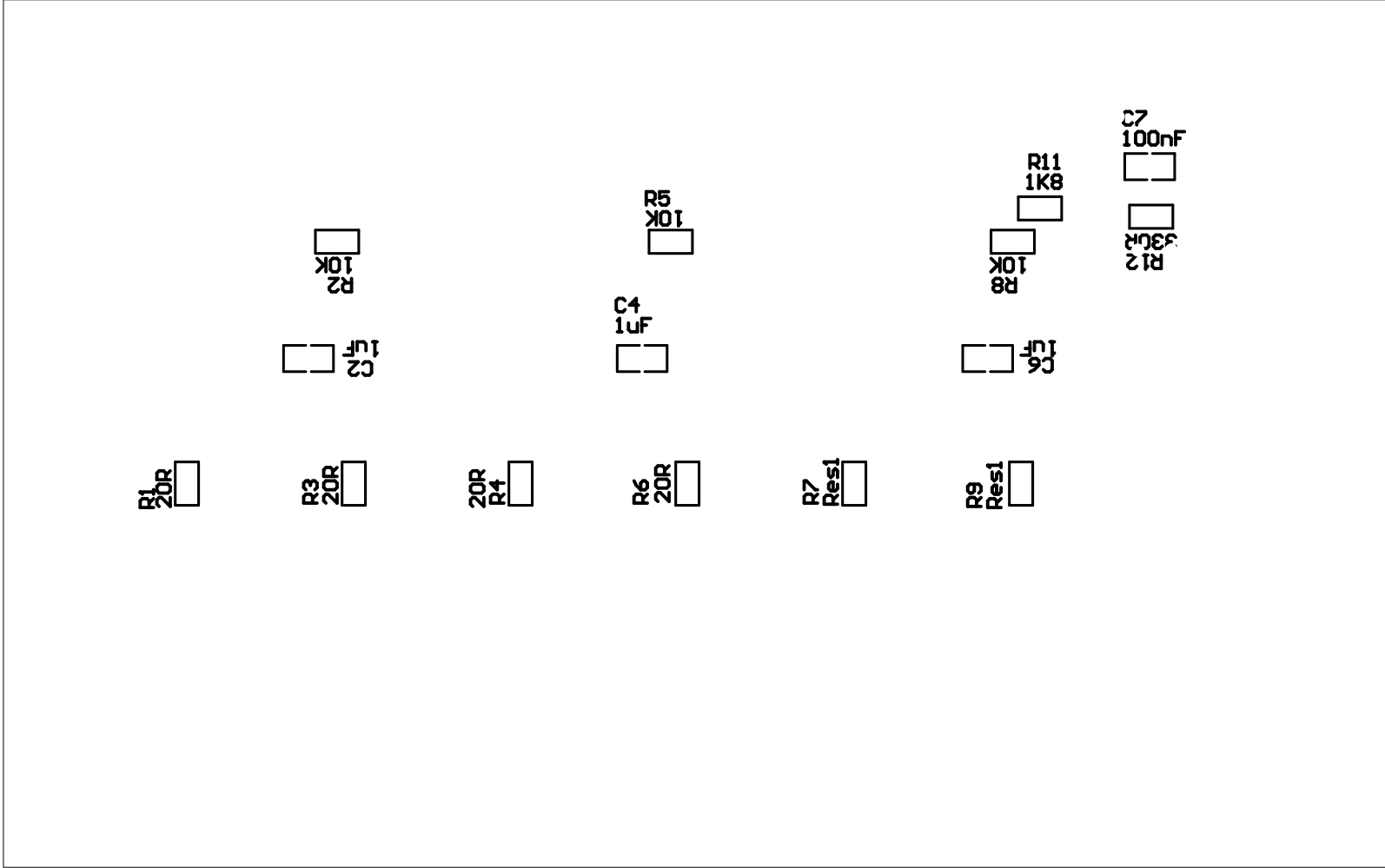
Bottom Layer (Scale 2:1)



Top Overlay (Scale 2:1)



Bottom Overlay (Scale 2:1)



## Board Fabrication View

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			TOLERANCES:	CHECKED					
			FRACTIONAL±	ENG APPR.					
			ANGULAR: MACH± BEND ±	MFG APPR.					
			TWO PLACE DECIMAL ±						
			THREE PLACE DECIMAL ±						
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					
			MATERIAL	COMMENTS:			SIZE	DWG. NO.	
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:1				WEIGHT:	SHEET 5 OF 10	

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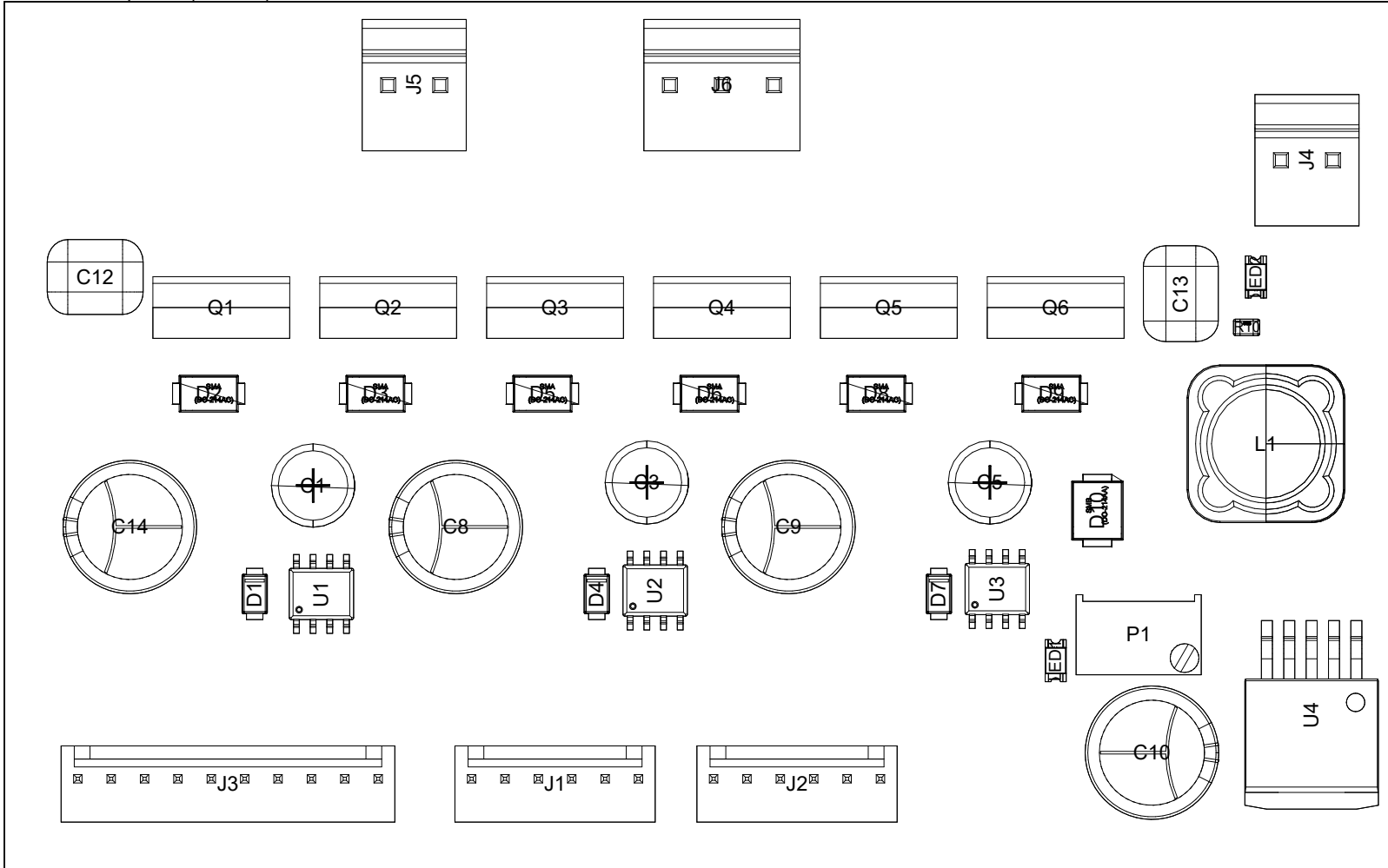
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View from Top side (Scale 2)



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		DIMENSIONS ARE IN INCHES	DRAWN	R.Babazadeh	10/05/1400			
		TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	CHECKED					
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.					
		MATERIAL	MFG APPR.			COMMENTS:		
		FINISH	Q.A.					
NEXT ASSY	USED ON					SIZE	DWG. NO.	
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 6 OF 10

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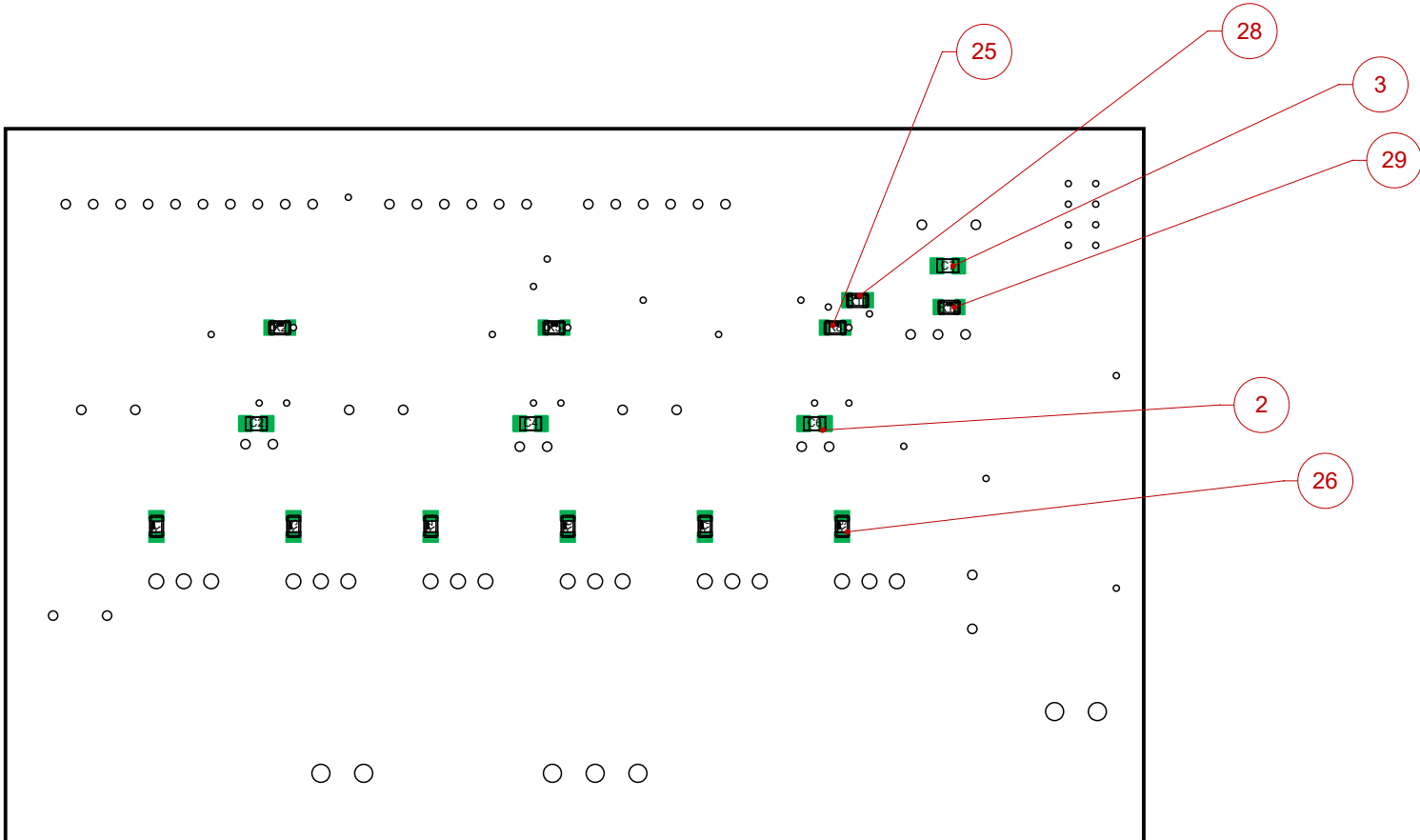
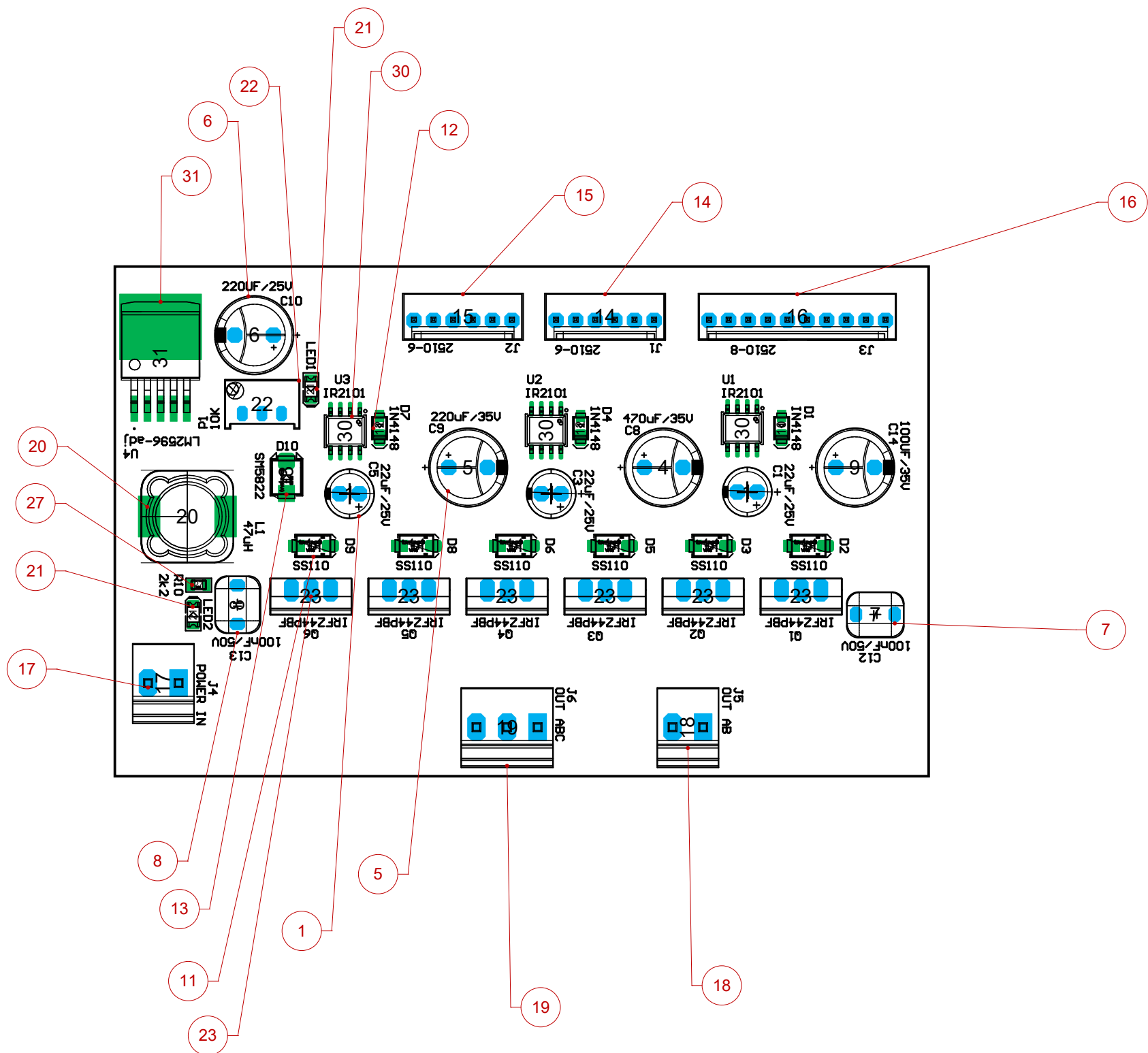
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Bill Of Materials

Line #	Designator	Comment	Quantity
1	C1, C3, C5	22uF/25V	3
2	C2, C4, C6	1uF	3
3	C7	100nF	1
4	C8	470uF/35V	1
5	C9	220uF/35V	1
6	C10	220UF/25V	1
7	C12	100nF/50V	1
8	C13	100nF/50V	1
9	C14	100UF/35V	1
10	D1	IN4148	1
11	D2, D3, D5, D6, D8, D9	SS110	6
12	D4, D7	1N4148	2
13	D10	SM5822	1
14	J1	2510-6	1
15	J2	2510-6	1
16	J3	2510-8	1
17	J4	POWER IN	1
18	J5	OUT AB	1
19	J6	OUT ABC	1
20	L1	47uH	1
21	LED1, LED2	LED3mm	2
22	P1	10K	1
23	Q1, Q2, Q3, Q4, Q5, Q6	IRFZ44PBF	6
24	R1, R3, R4, R6	20R	4
25	R2, R5, R8	10K	3
26	R7, R9	Res1	2
27	R10	2k2	1
28	R11	1K8	1
29	R12	330R	1
30	U1, U2, U3	IR2101	3
31	U4	LM2596-adj	1

# BOM

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		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.	
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		MATERIAL						
		FINISH						
NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
APPLICATION								

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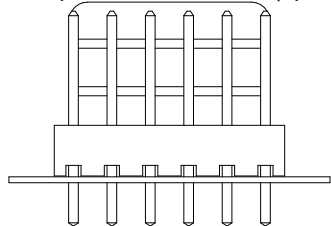
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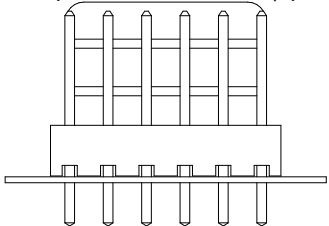
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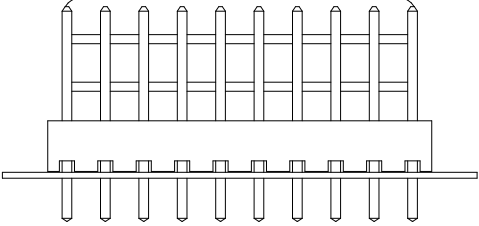
Component View 2510-6(6p-2510) (Scale 2)



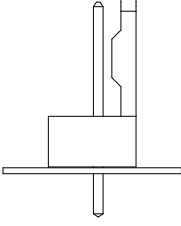
Component View 2510-6(6p-2510) (Scale 2)



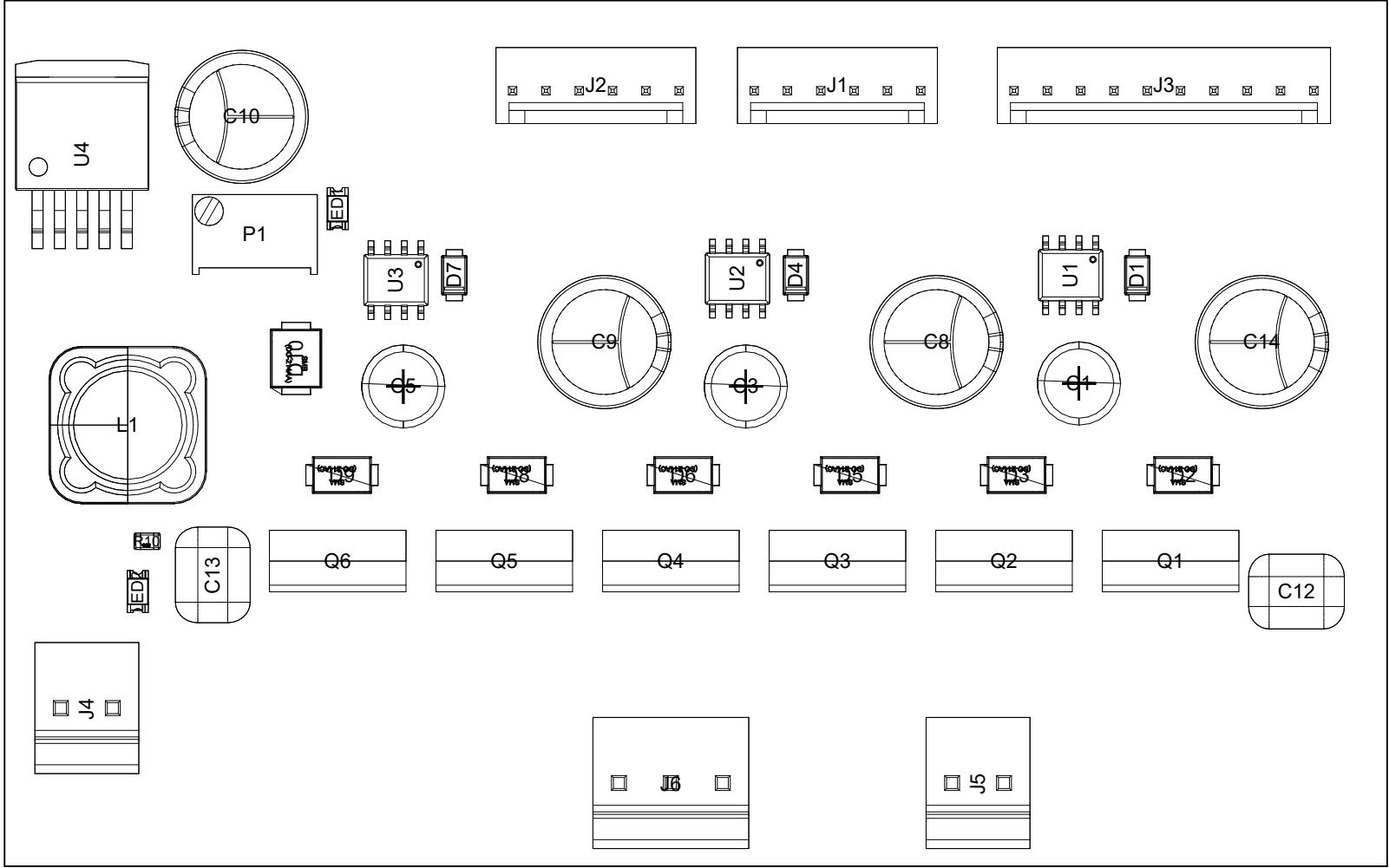
Component View 2510-8(10p-2510) (Scale 2)



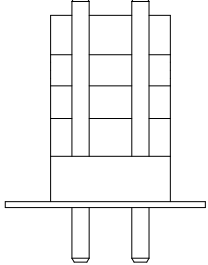
Component View 2510-8(10p-2510) (Scale 2)



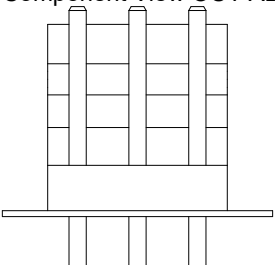
View from Top side (Scale 2)



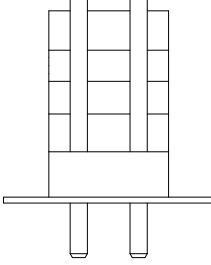
Component View POWER IN(CH-02) (Scale 2)



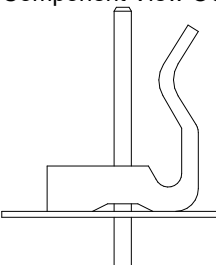
Component View OUT ABC(CH-03) (Scale 2)



Component View OUT AB(CH-02) (Scale 2)



Component View OUT AB(CH-02) (Scale 2)



# INPUT / OUTPUT

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		TWO PLACE DECIMAL ±	Q.A.						
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		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
		FINISH							
		DO NOT SCALE DRAWING							
	NEXT ASSY	USED ON							
	APPLICATION								



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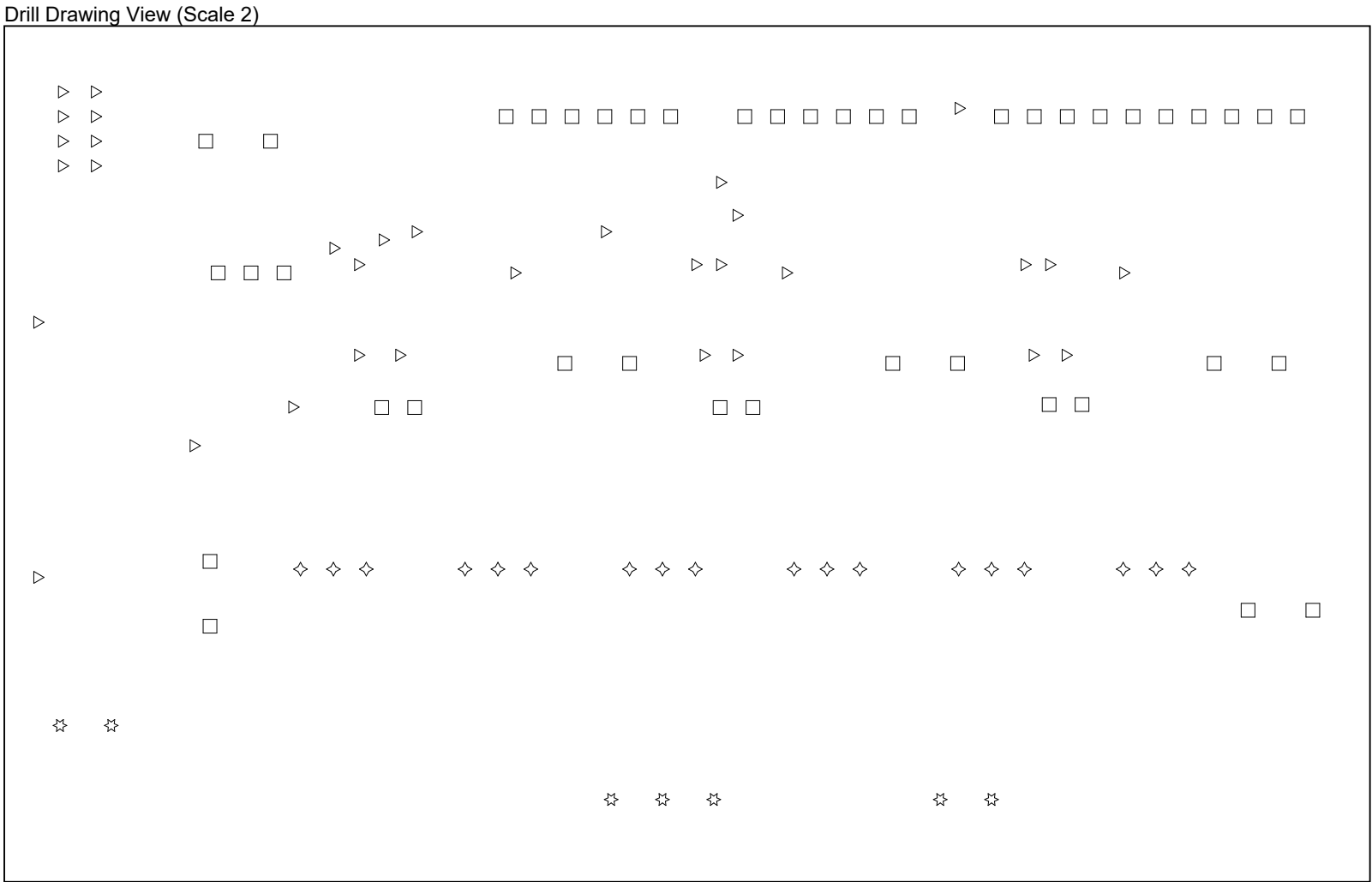
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Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
△	33	0.7mm	Plated	
□	43	1.0mm	Plated	
◇	18	1.5mm	Plated	
☆	7	1.8mm	Plated	
	101 Total			

# Drill

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			FRACTIONAL ±	ENG APPR.					
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			THREE PLACE DECIMAL ±	Q.A.					
			INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.	
			MATERIAL						
			FINISH						
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 9 OF 10

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Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0mm		Signal	GTL
		0mm	FR-4	Dielectric	
Copper	Bottom Layer	0mm		Signal	GBL
Surface Material	Bottom Solder	0mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 0mm					

Layer Stack Legend

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			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ± BEND ±	MFG APPR.			COMMENTS:		
			TWO PLACE DECIMAL ±	Q.A.					
			THREE PLACE DECIMAL ±						
			INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.	
			MATERIAL						
			FINISH						
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 10 OF 10
	APPLICATION								

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