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IR2111

+IRFZ44

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			DIMENSIONS ARE IN INCHES	DRAWN	R.BABAZADEH	10/05/1400				
			TOLERANCES:	CHECKED			TITLE IR2111+IRFZ44			
			FRACTIONAL±	ENG APPR.						
			ANGULAR: MACH± BEND ±	MFG APPR.						
			TWO PLACE DECIMAL ±	Q.A.						
			THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.			
			INTERPRET GEOMETRIC TOLERANCING PER:							
			MATERIAL							
	NEXT ASSY	USED ON	FINISH							
APPLICATION			DO NOT SCALE DRAWING				SCALE: 1:1 WEIGHT: SHEET 1 OF 10			

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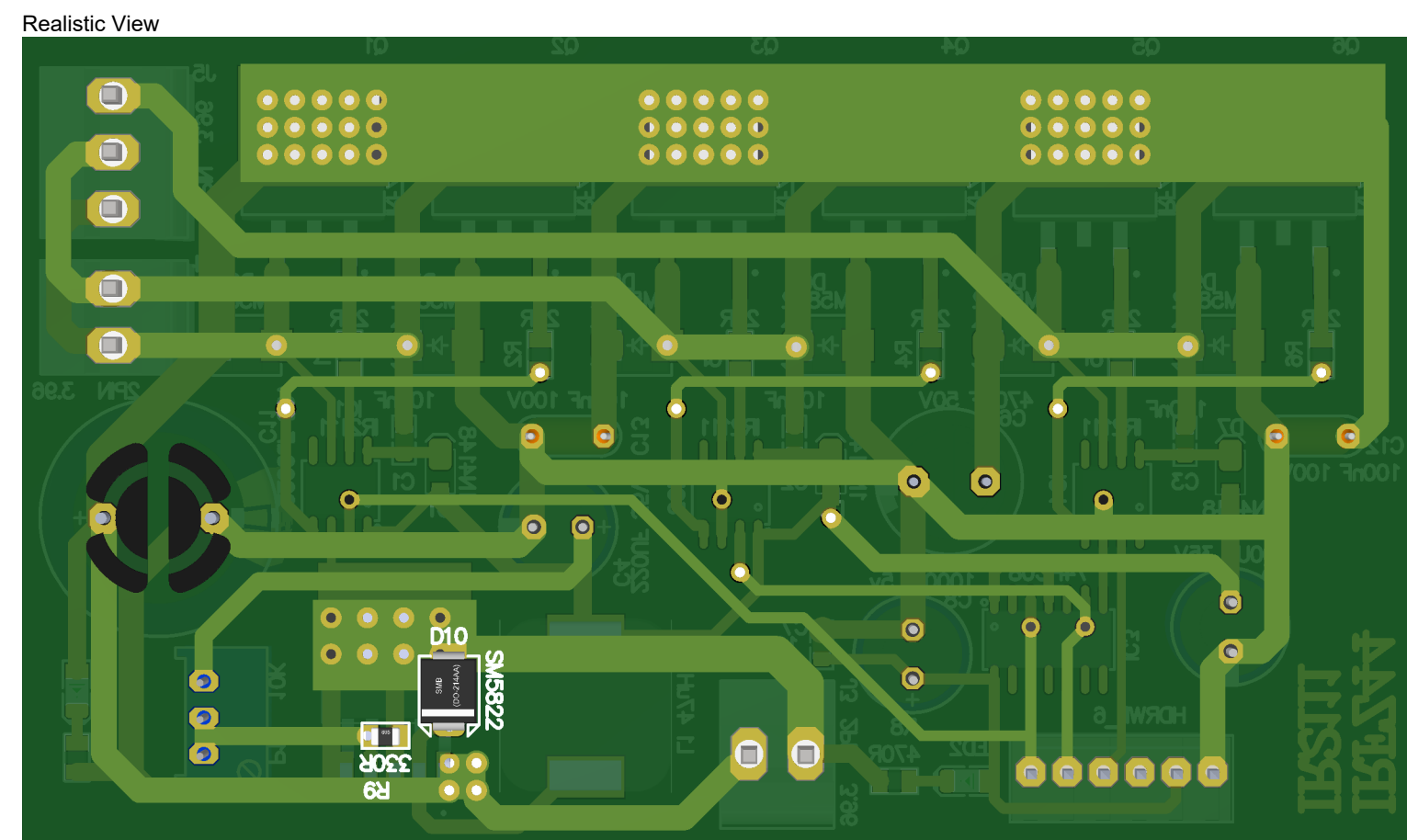
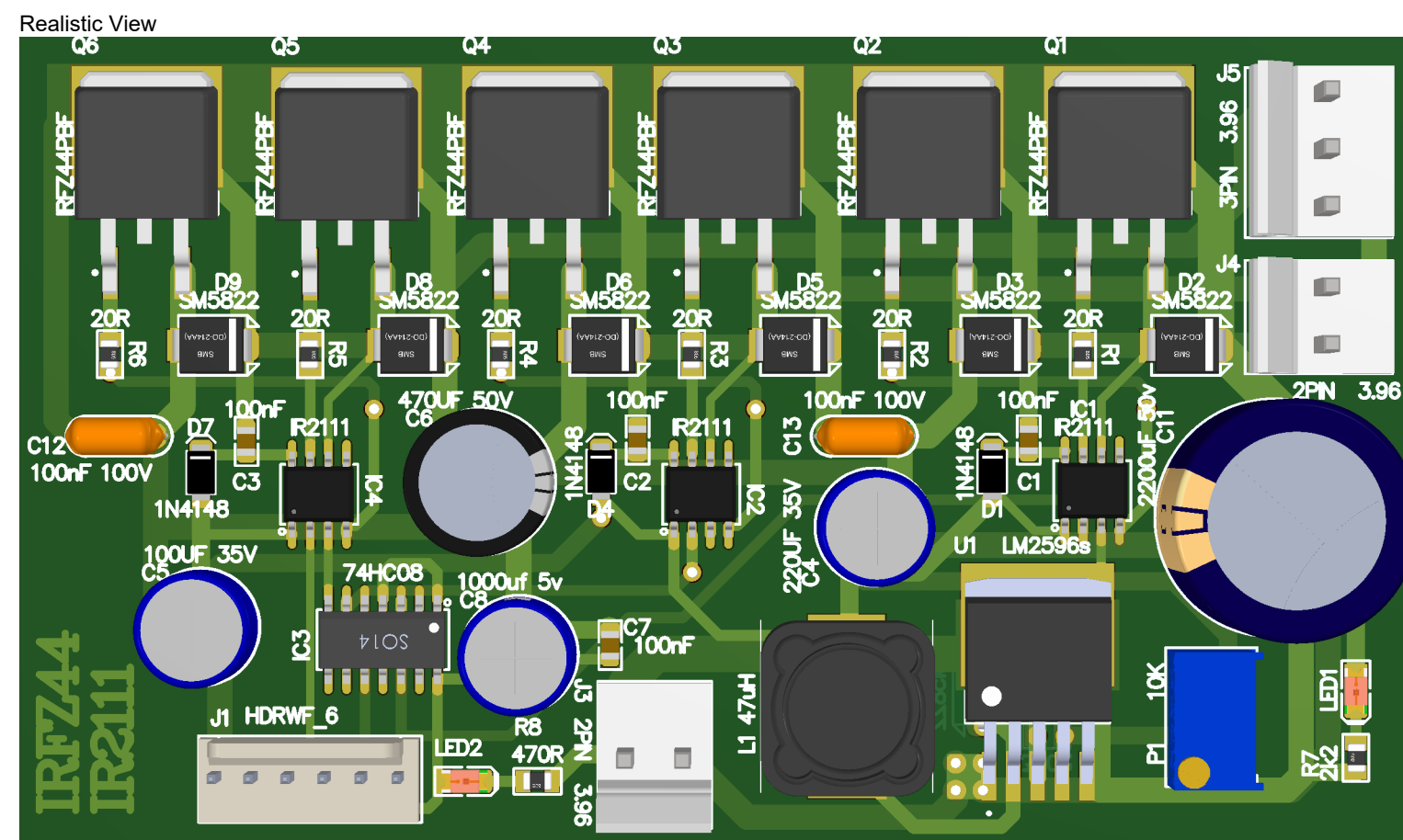
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Board Realistic View

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

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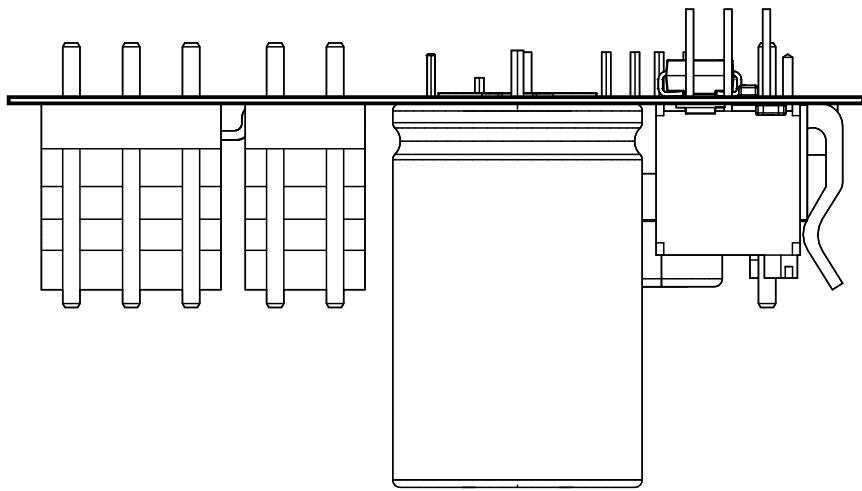
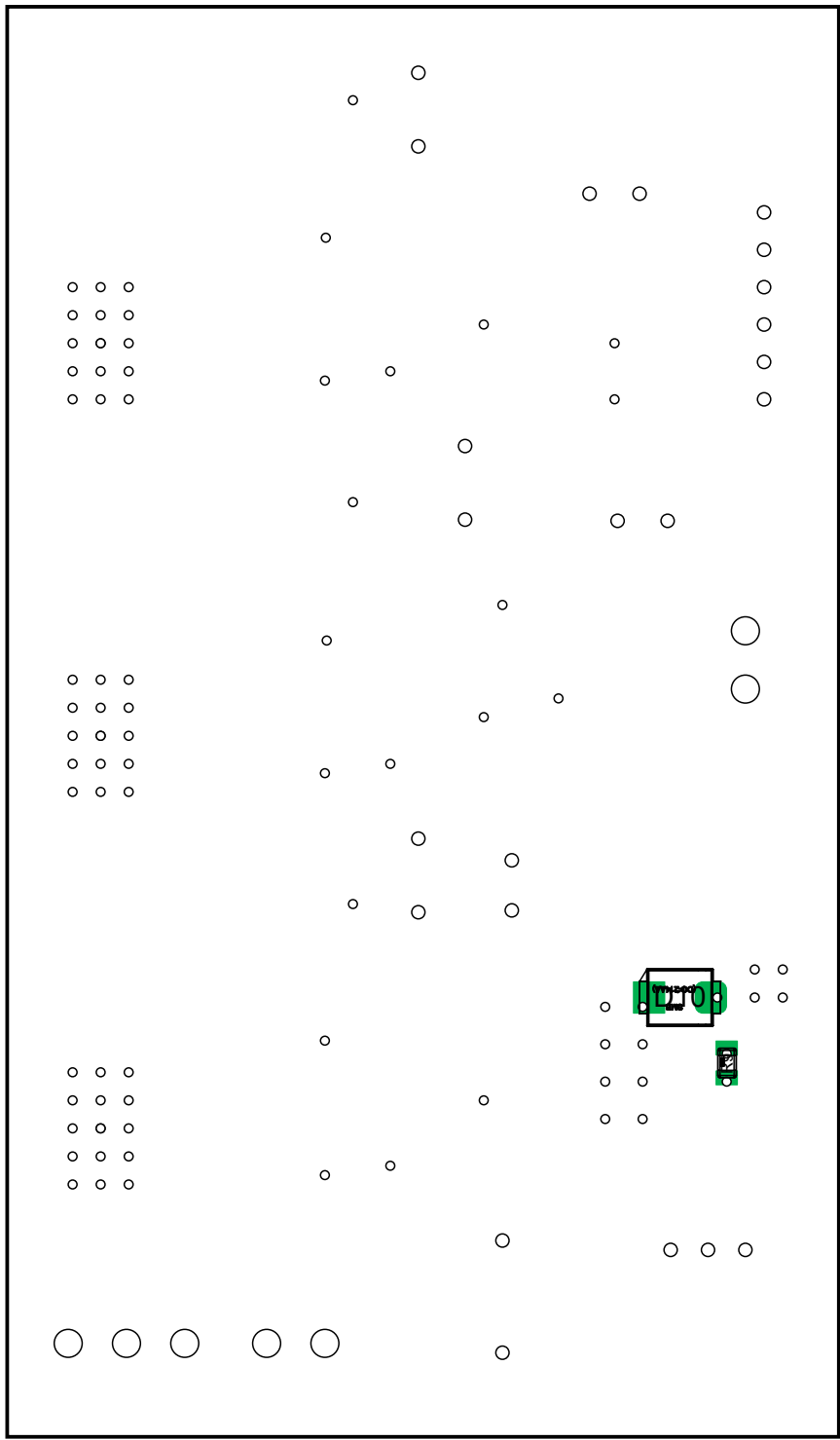
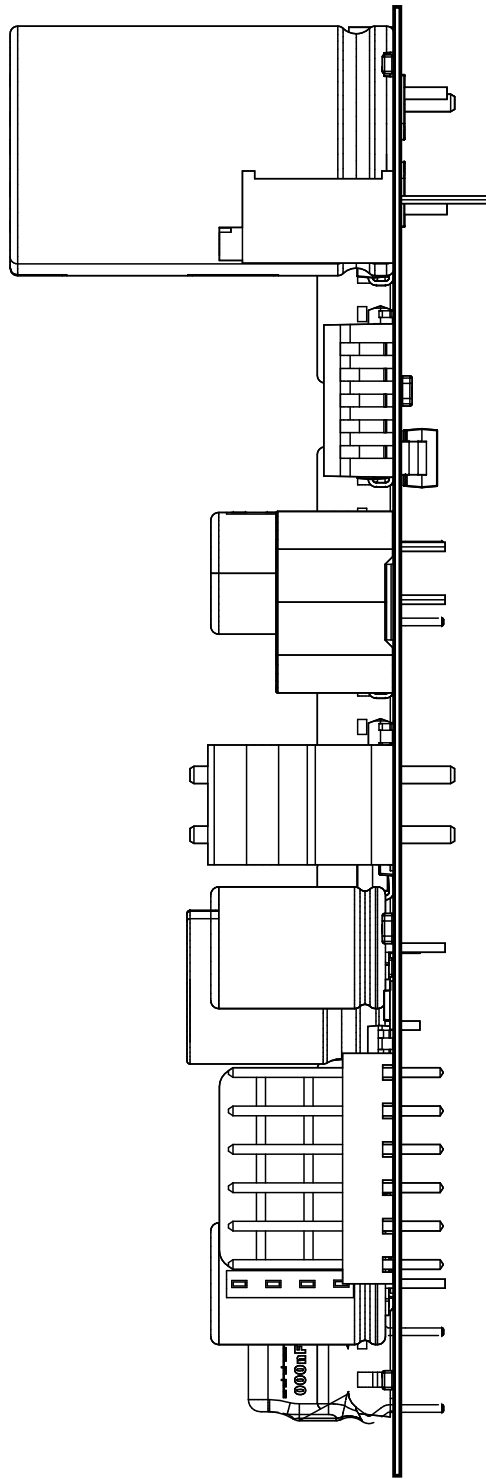
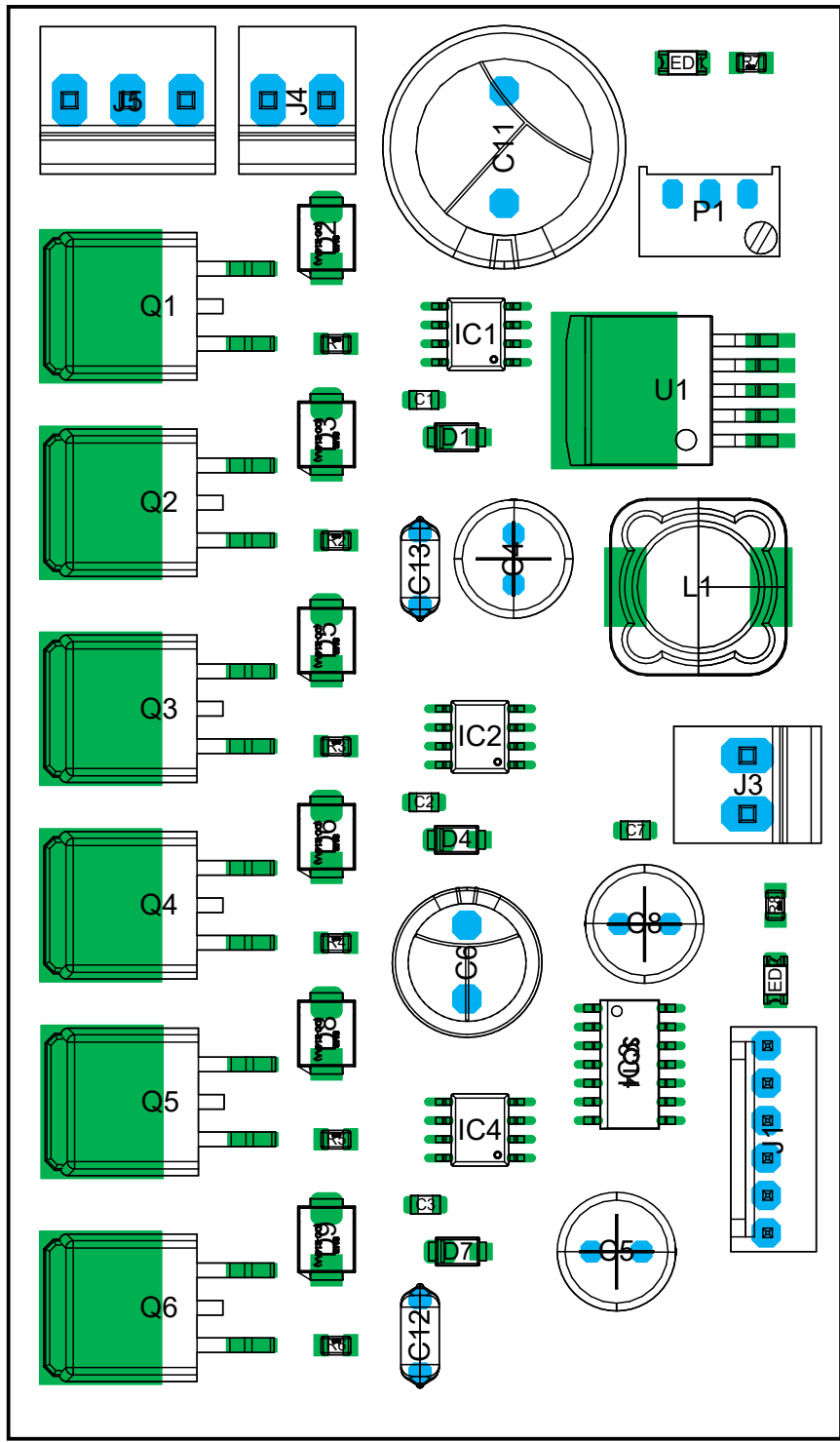
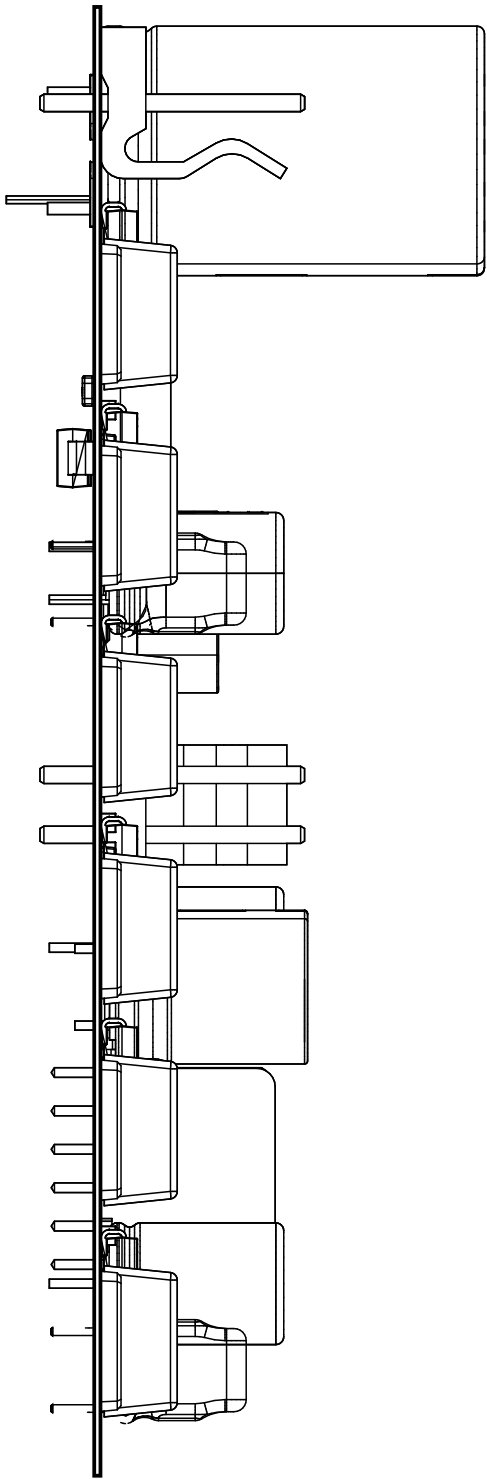
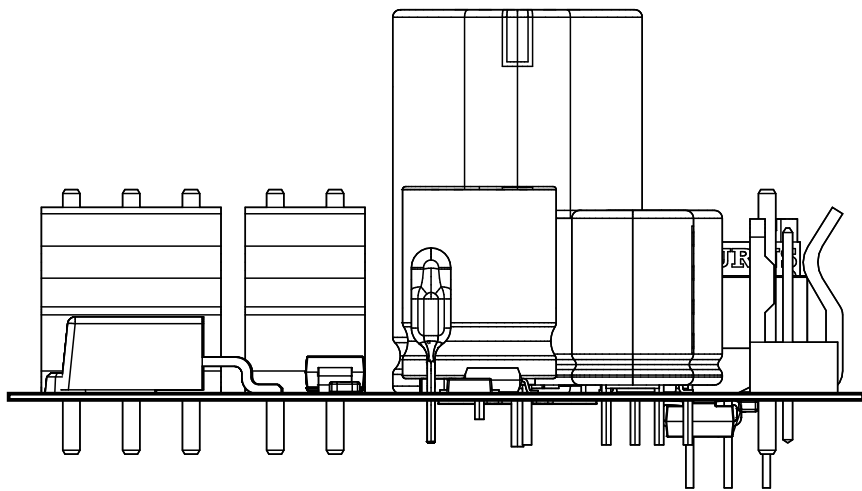
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Board Assembly View

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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.						
				Q.A.						
				COMMENTS:			SCALE: 1:1 WEIGHT: SHEET 3 OF 10			
	NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING								

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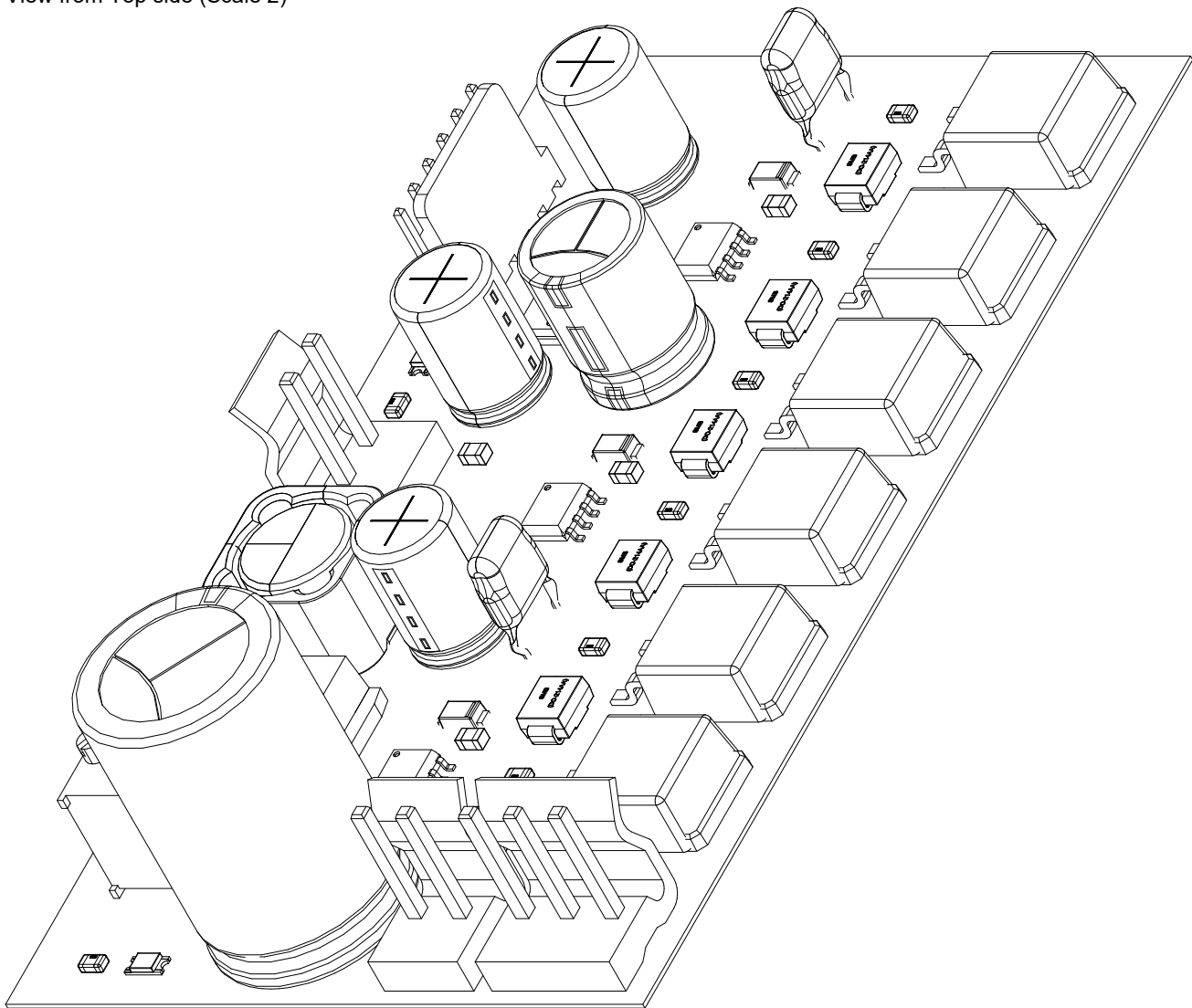
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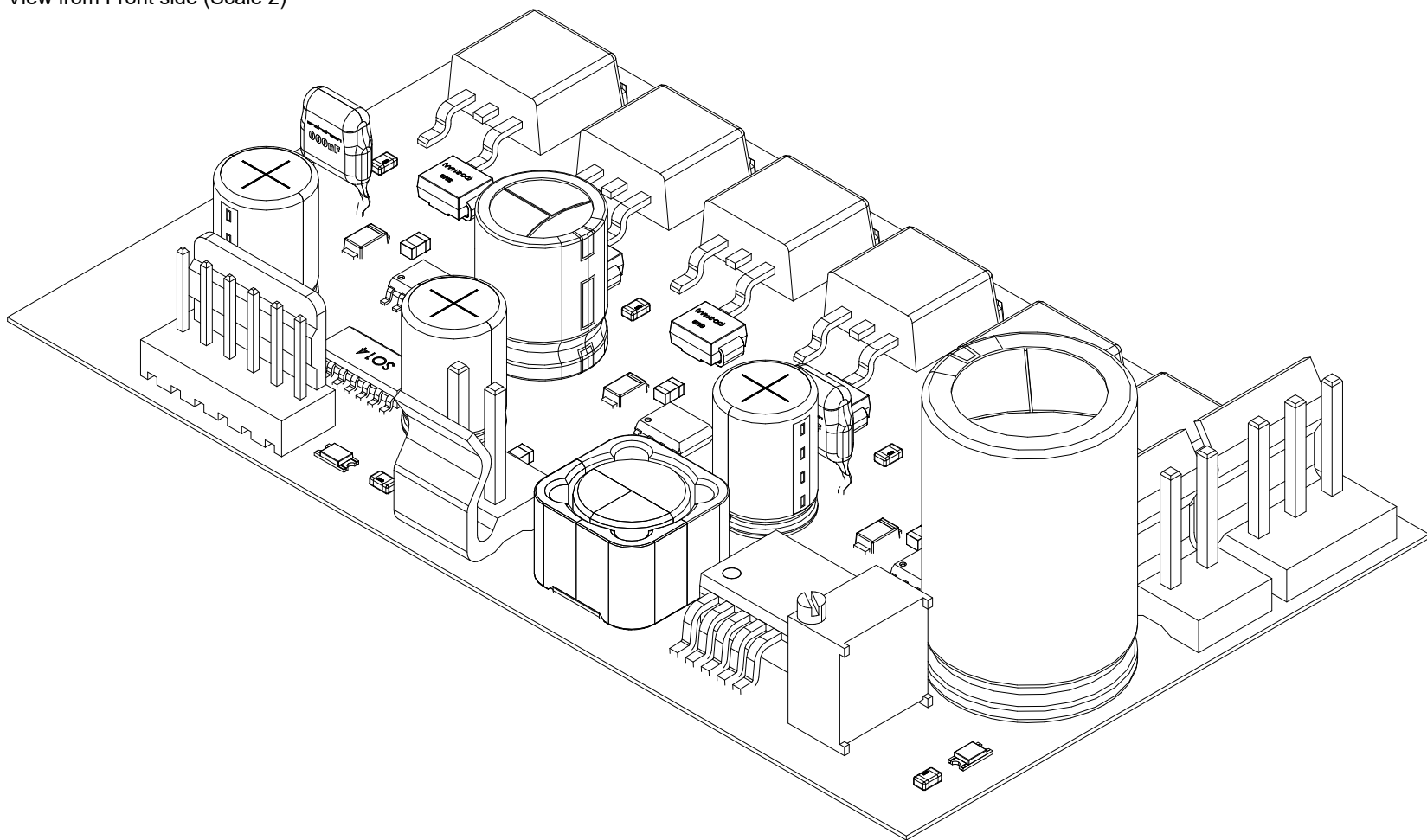
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View from Top side (Scale 2)



View from Front side (Scale 2)



Board Isometric View

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			DIMENSIONS ARE IN INCHES	DRAWN	R.BABAZADEH	10/05/1400				
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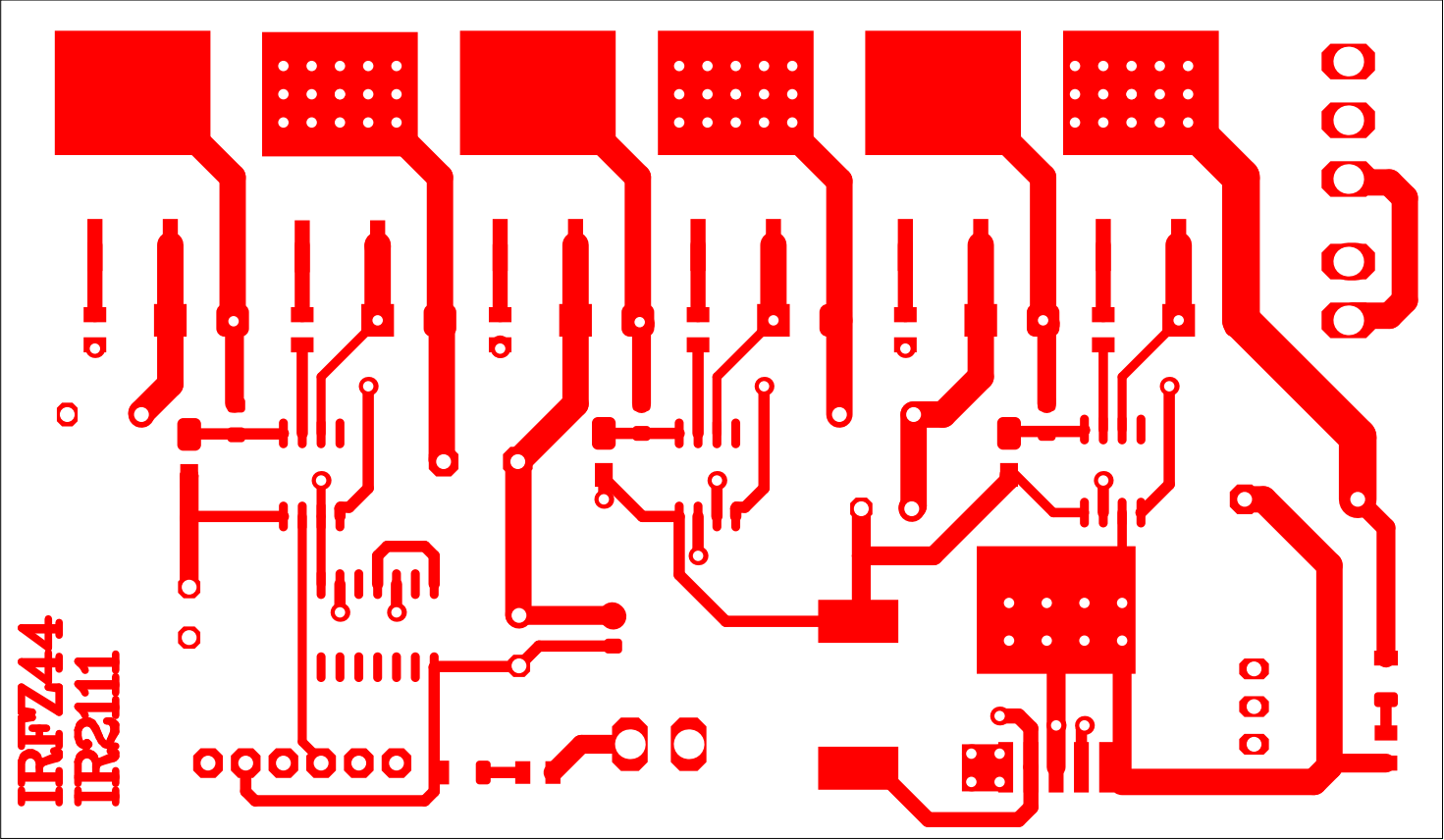
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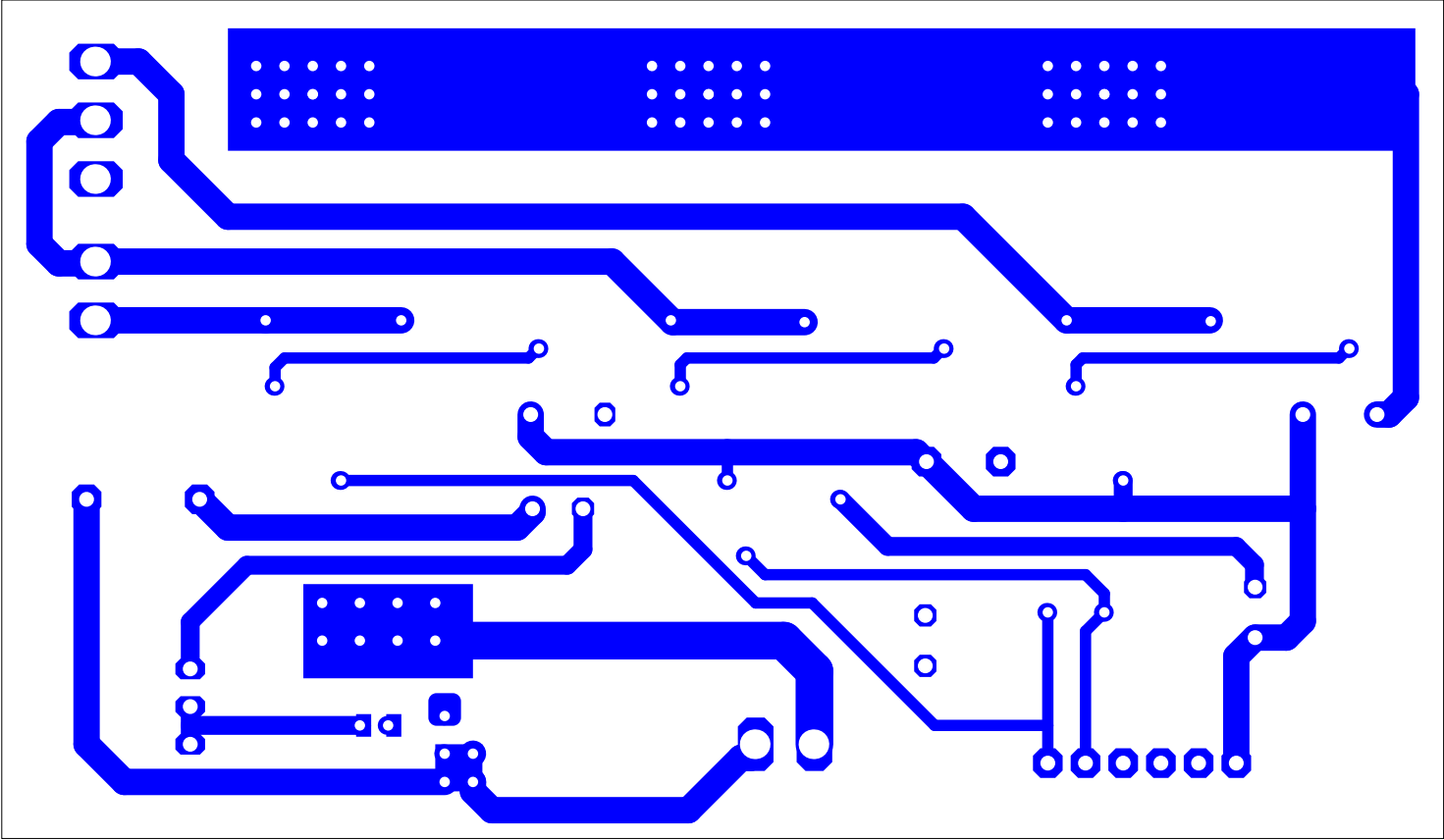
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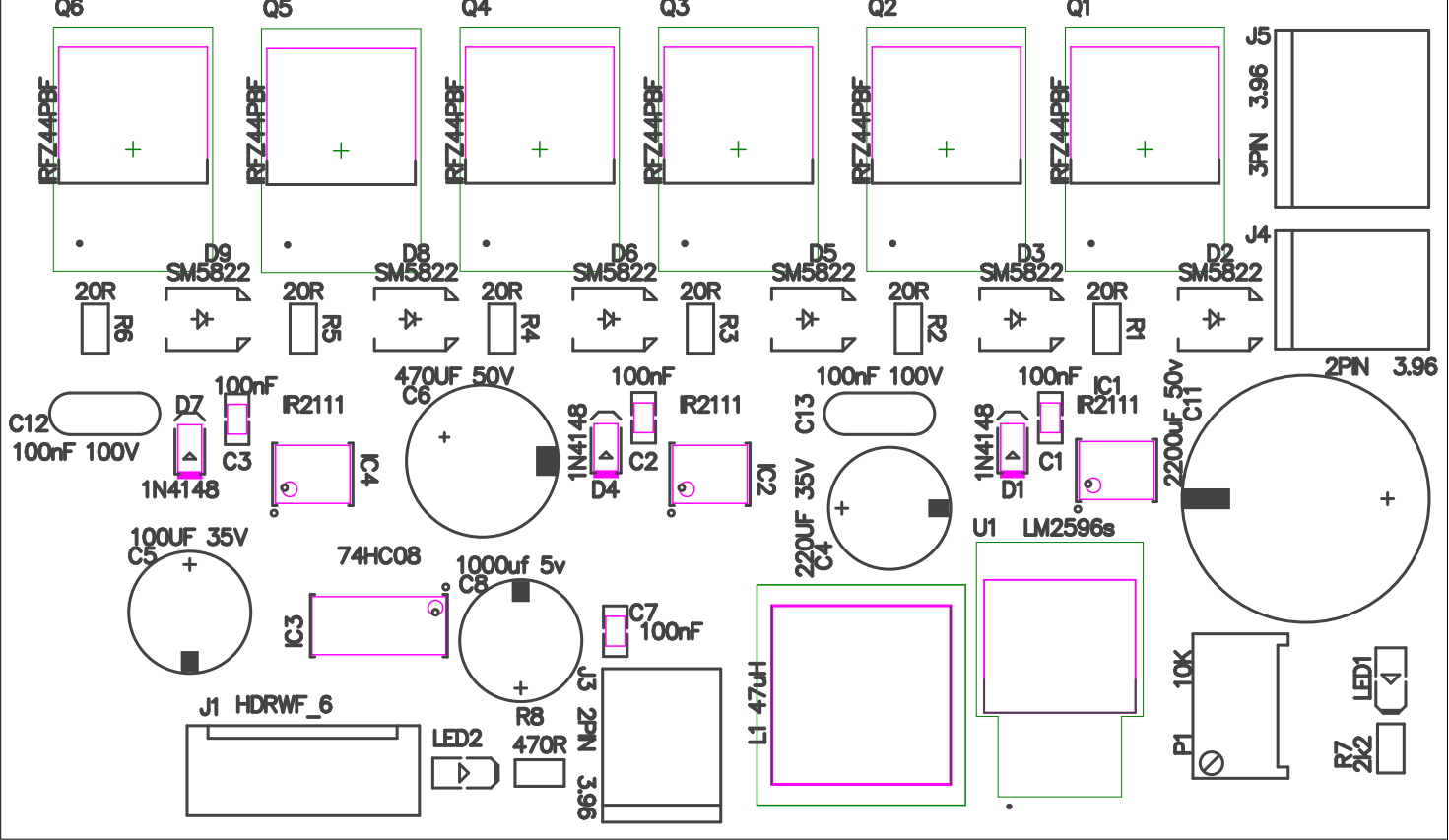
Top Layer (Scale 2)



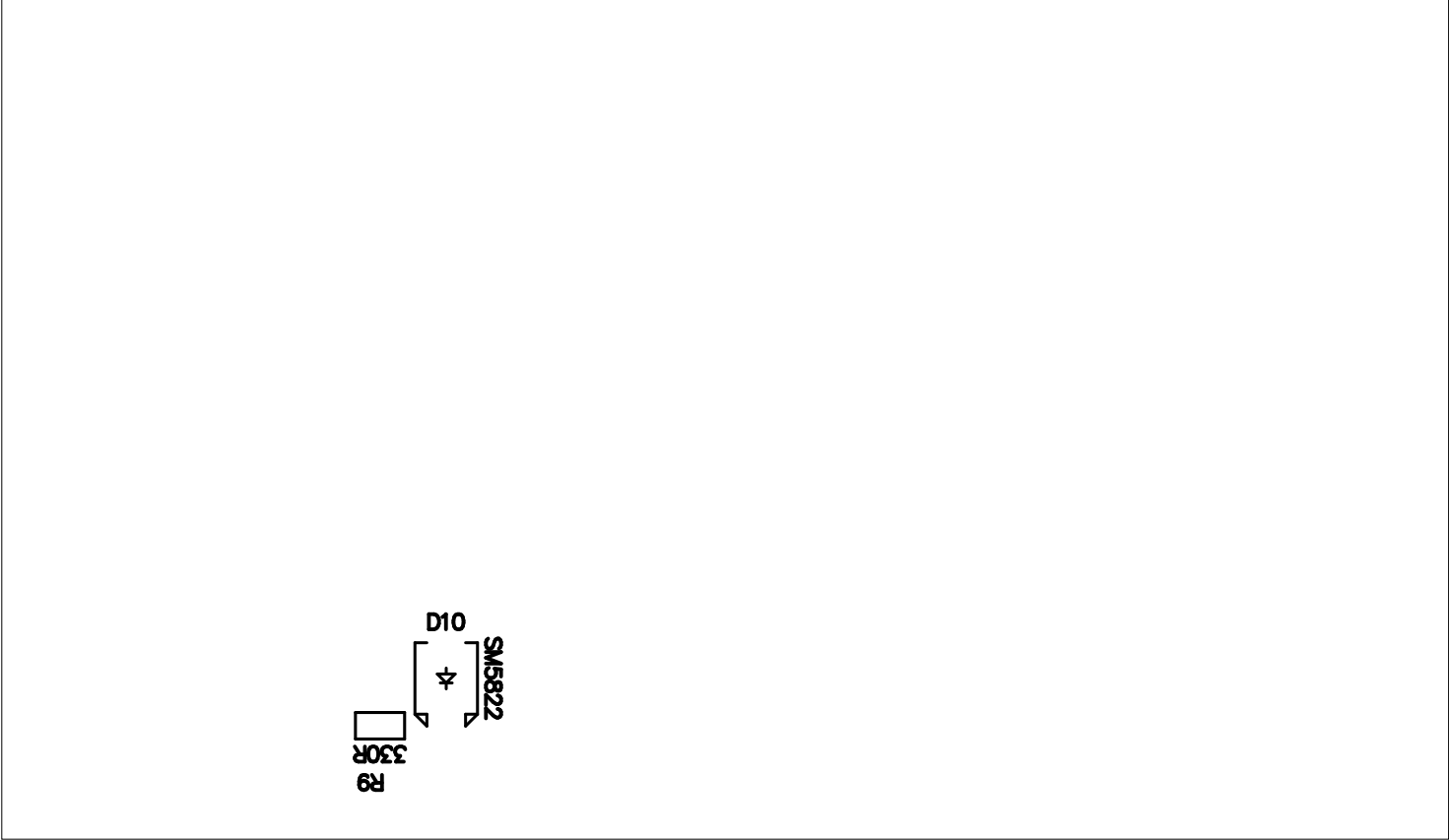
Bottom Layer (Scale 2)



Top Overlay (Scale 2)



Bottom Overlay (Scale 2)



Board Fabrication View

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			DIMENSIONS ARE IN INCHES	DRAWN	R. BABAZADEH	10/05/1400			
			TOLERANCES:	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ± BEND ±	MFG APPR.			COMMENTS:		
			THREE PLACE DECIMAL ±	Q.A.					
			INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.	
			MATERIAL				SCALE: 1:1	WEIGHT:	SHEET 5 OF 10
	NEXT ASSY	USED ON	FINISH						
	APPLICATION		DO NOT SCALE DRAWING						

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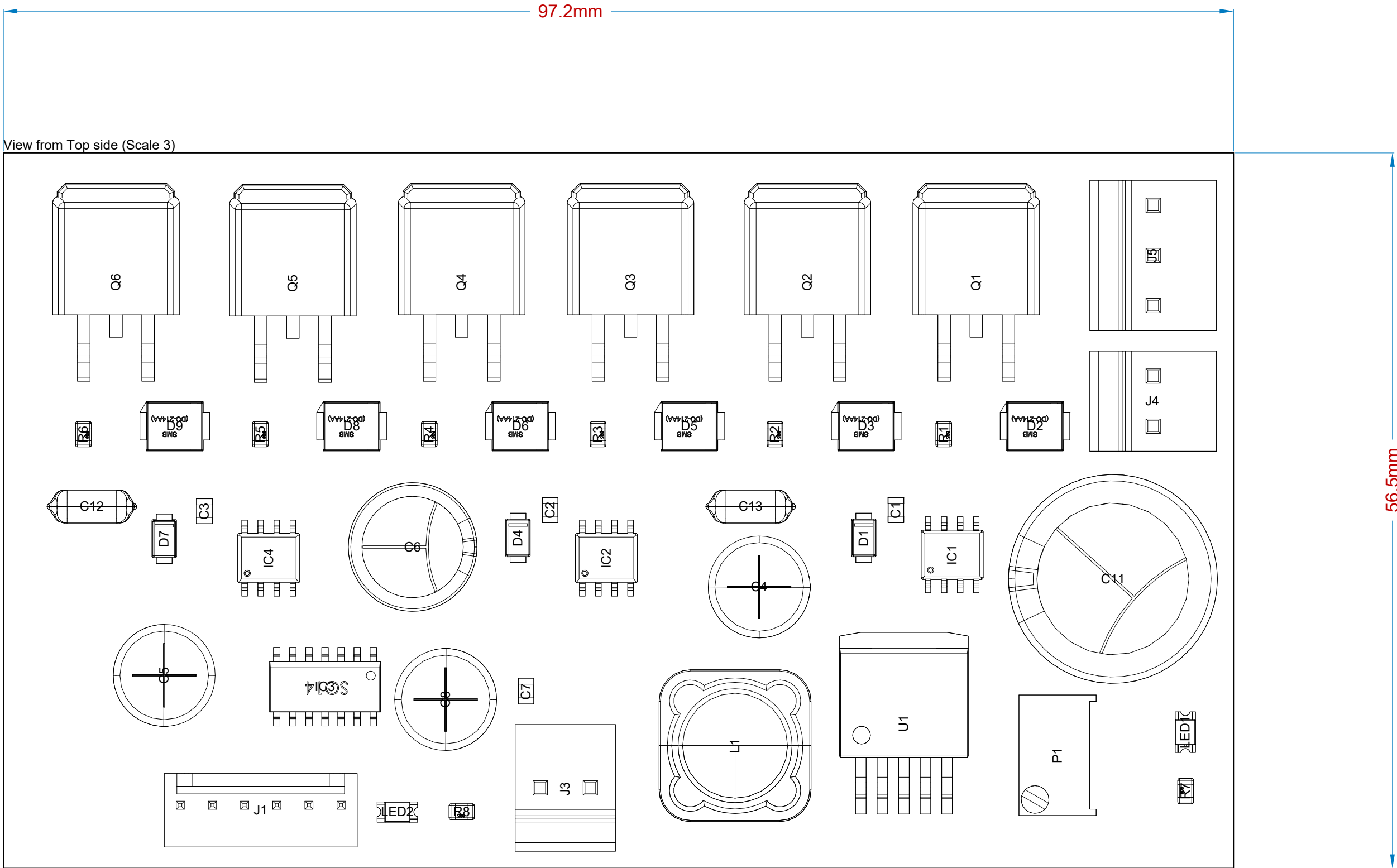
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Board Diameter View

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

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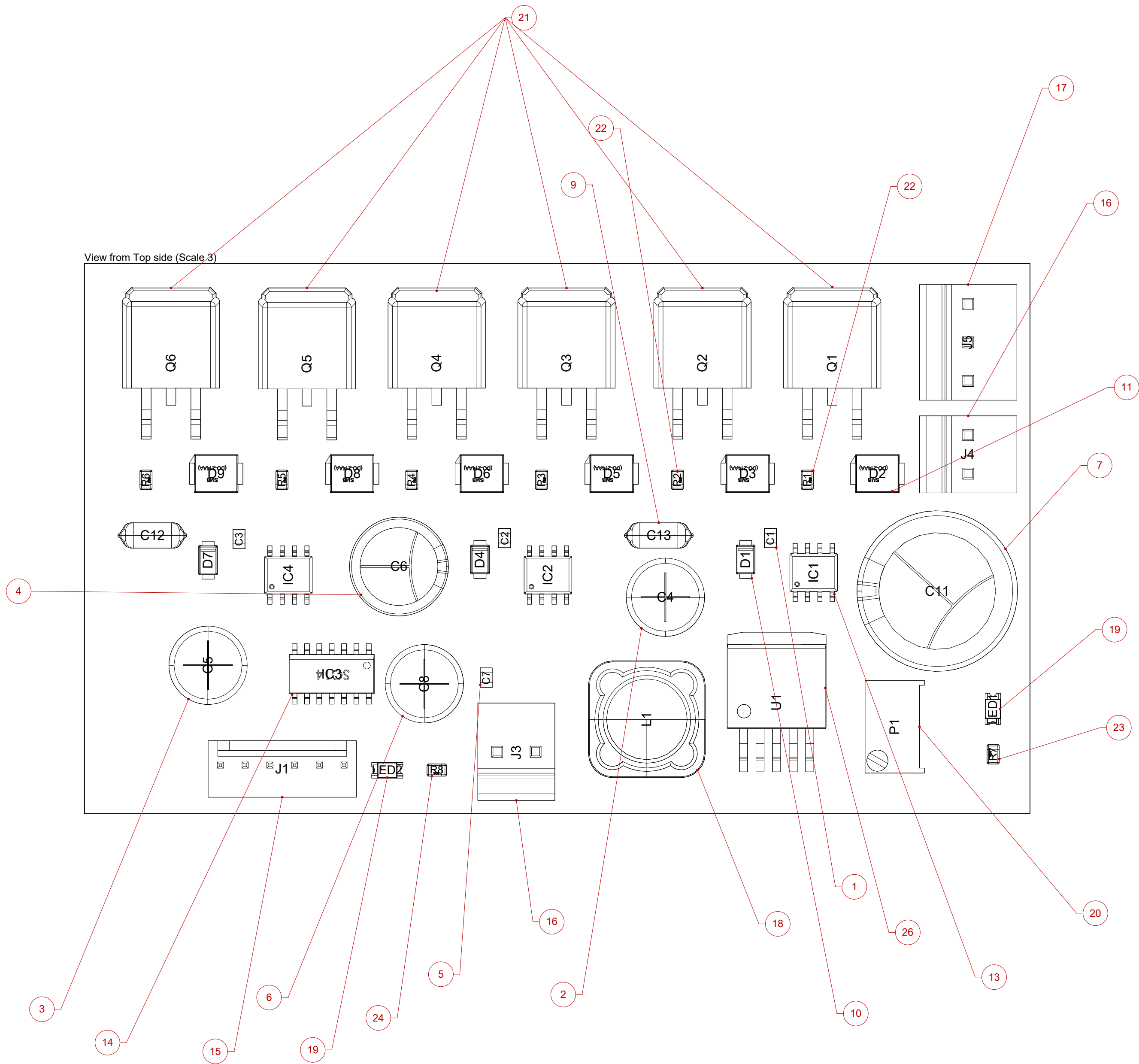
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View from Top side (Scale:3)



Bill Of Materials			
Line #	Designator	Comment	Quantity
1	C1, C2, C3	100nF	3
2	C4	220UF 35V	1
3	C5	100UF 35V	1
4	C6	470uF 50v	1
5	C7	100nF	1
6	C8	1000uf 5v	1
7	C11	2200uF 50v	1
8	C12	100nF 100V	1
9	C13	100nF 100V	1
10	D1	Diode 1N4148	1
11	D2, D3, D5, D6, D8, D9, D10	SM5822	7
12	D4, D7	Diode 1N4148	2
13	IC1, IC2, IC4	IR2111PBF	3
14	IC3	74HC08D,652	1
15	J1	HDRWF 6	1
16	J3, J4	2PIN 3.96	2
17	J5	3PIN 3.96	1
18	L1	47uH	1
19	LED1, LED2		2
20	P1	10K	1
21	Q1, Q2, Q3, Q4, Q5, Q6	IRFZ44PBF	6
22	R1, R2, R3, R4, R5, R6	20R	6
23	R7	2k2	1
24	R8	470R	1
25	R9	330R	1
26	U1	LM2596s	1

BOM

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			DIMENSIONS ARE IN INCHES	DRAWN	R. BABAZADEH	10/05/1400				
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			ANGULAR: MACH± BEND ±	MFG APPR.						
			TWO PLACE DECIMAL ±							
			THREE PLACE DECIMAL ±	Q.A.			SIZE DWG. NO.			
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:							
		MATERIAL								
		FINISH	SCALE: 1:1 WEIGHT: SHEET 7 OF 10							
NEXT ASSY	USED ON	DO NOT SCALE DRAWING								
APPLICATION										

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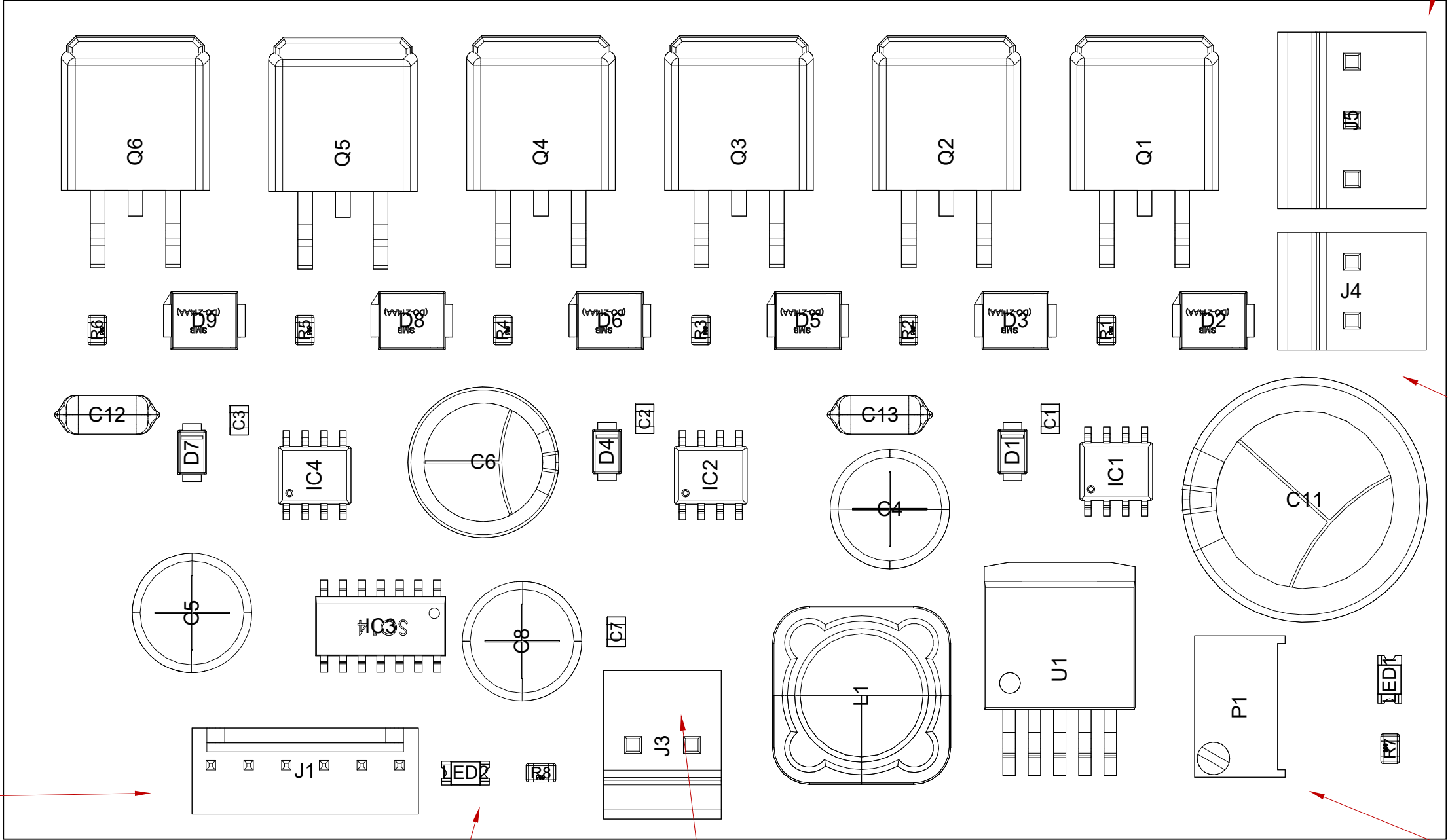
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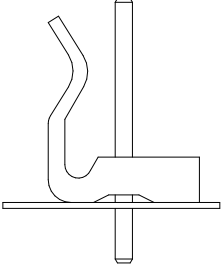
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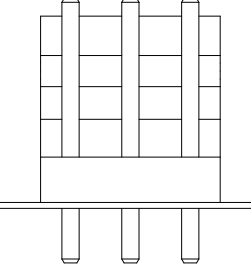
View from Top side (Scale 3)



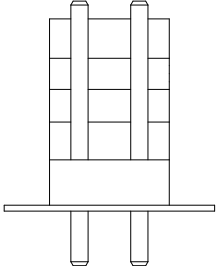
Component View 3PIN 3.96(PWL_3) (Scale 2)



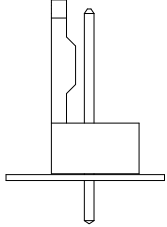
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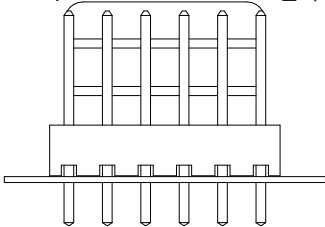
Component View 2PIN 3.96(PWL_2) (Scale 2)



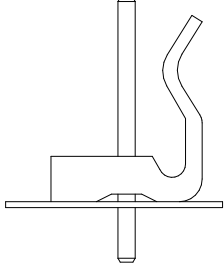
Component View HDRWF_6(WF_6) (Scale 2)



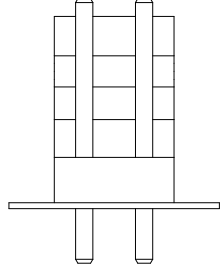
Component View HDRWF_6(WF_6) (Scale 2)



Component View 2PIN 3.96(PWL_2) (Scale 2)



Component View 2PIN 3.96(PWL_2) (Scale 2)



VOLTAGE ADJ

INPUT / OUTPUT

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		DIMENSIONS ARE IN INCHES	DRAWN	R.BABAZADEH	10/05/1400							
		TOLERANCES:	CHECKED									
		FRACTIONAL ±	ENG APPR.									
		ANGULAR: MACH± BEND ±	MFG APPR.									
		TWO PLACE DECIMAL ±	Q.A.									
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE		DWG. NO.				
		INTERPRET GEOMETRIC TOLERANCING PER:										
		MATERIAL										
		FINISH										
NEXT ASSY	USED ON	DO NOT SCALE DRAWING	SCALE: 1:1								WEIGHT:	SHEET 8 OF 10
APPLICATION												

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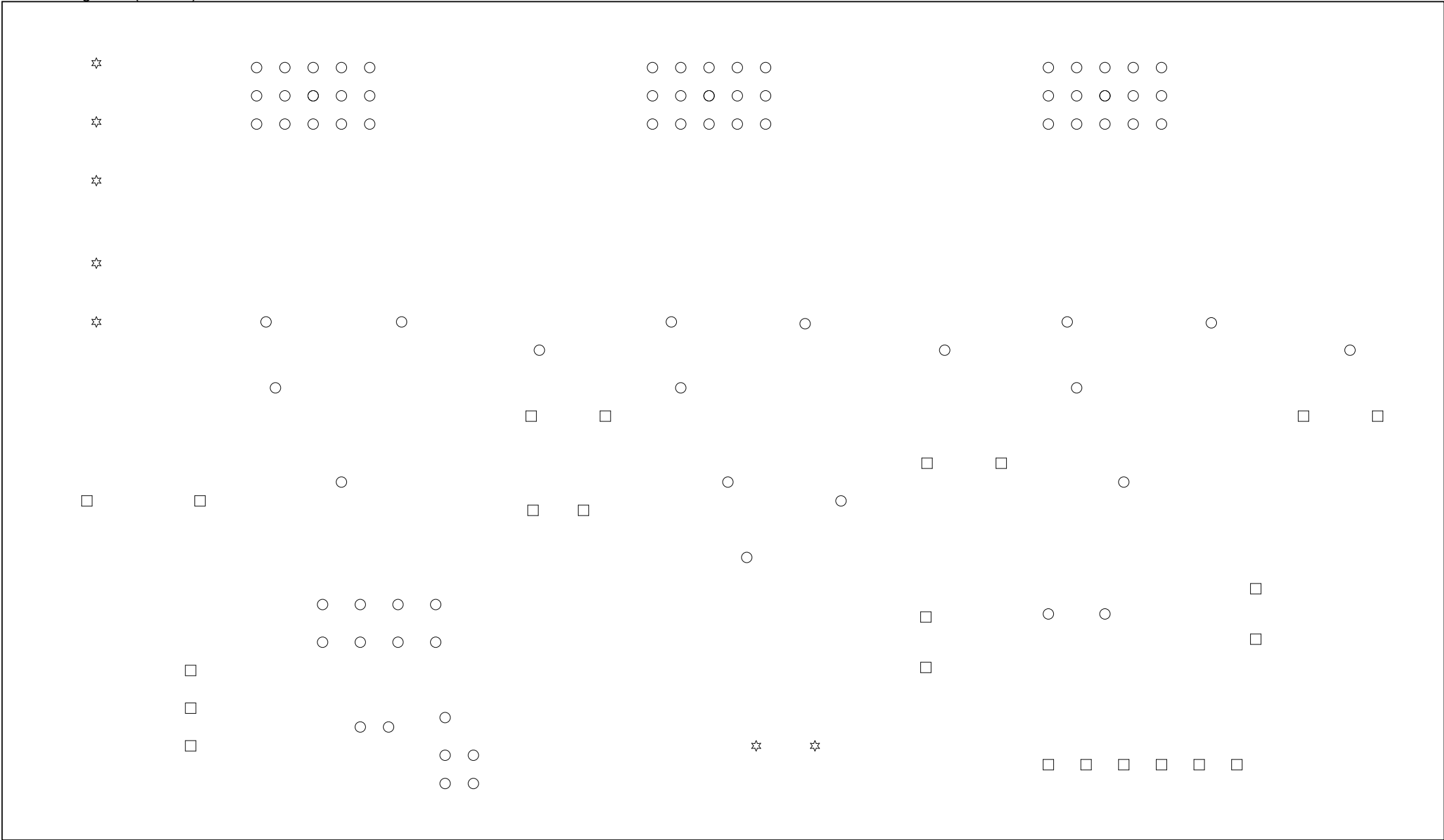
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Drill Drawing View (Scale 3)



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
○	82	1mm	Plated	
□	23	1mm	Plated	
☆	7	2mm	Plated	
112 Total				

Drill

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

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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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			TOLERANCES:	CHECKED			TITLE IR2111+IRFZ44			
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			INTERPRET GEOMETRIC TOLERANCING PER:							
			MATERIAL							
	NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:1				WEIGHT:		SHEET 10 OF 10	

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