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# IRF7317+TR

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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							
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 1 OF 10

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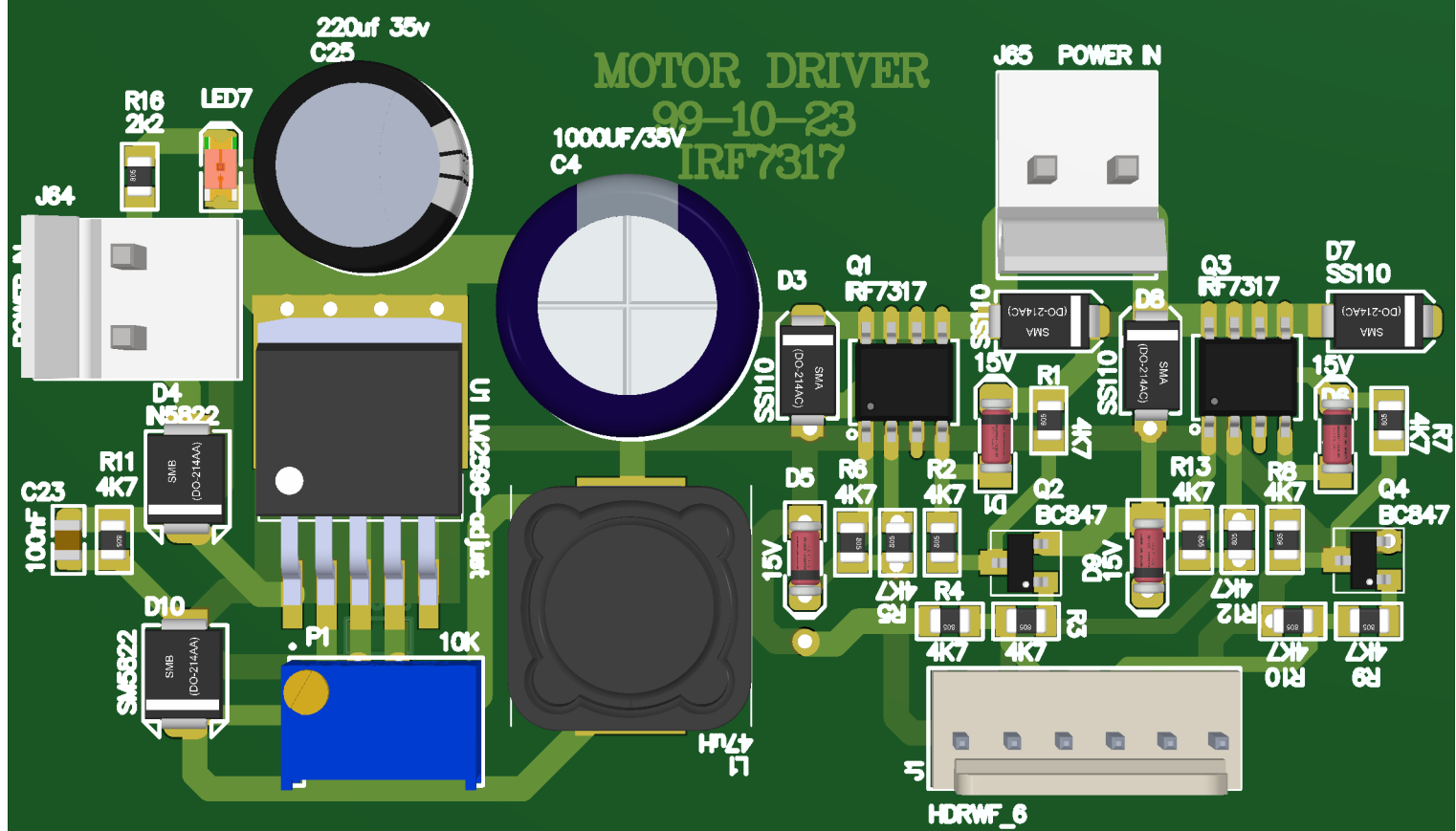
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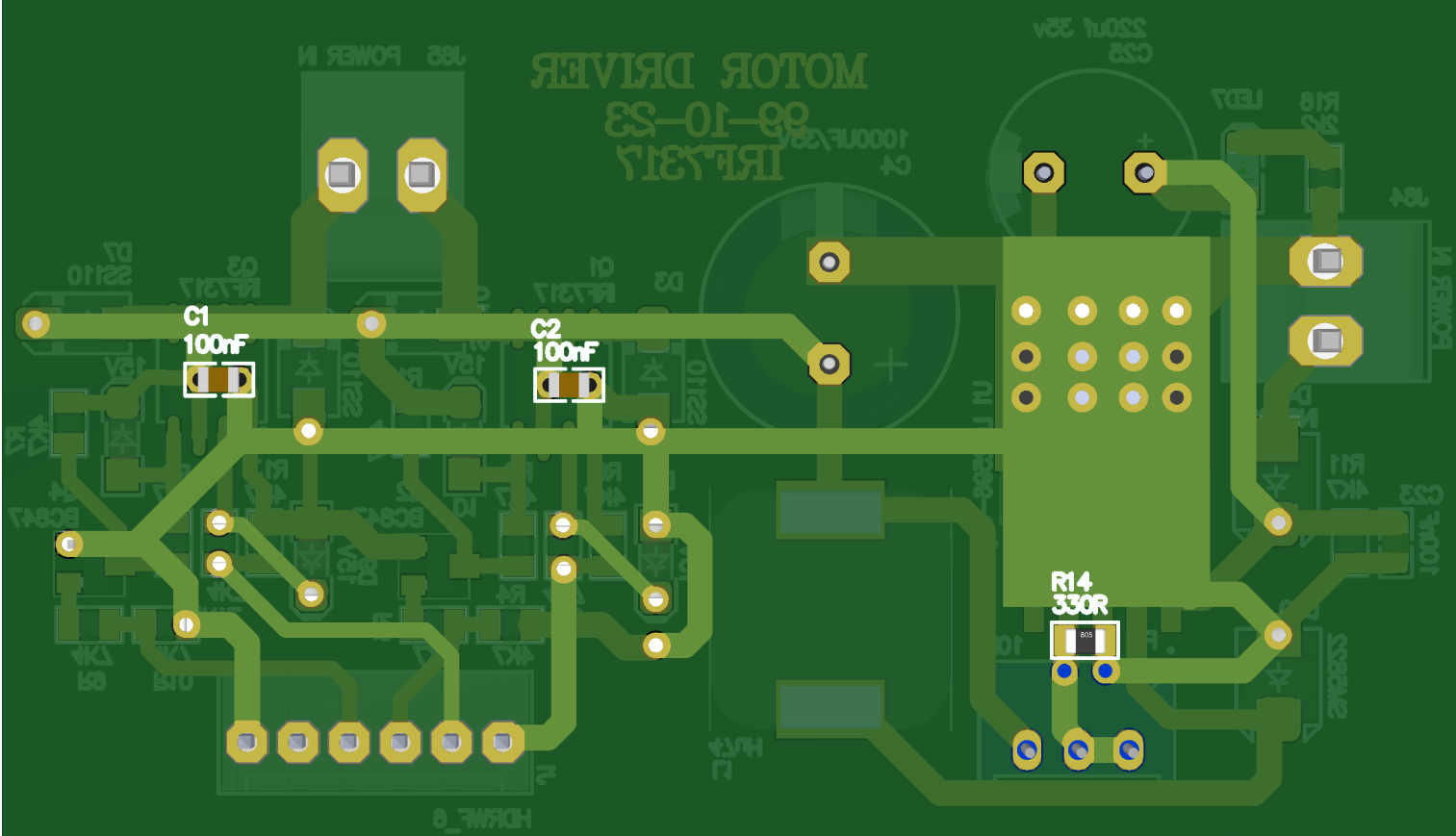
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Realistic View



Realistic View



Board Realistic View

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			ANGULAR: MACH± BEND ±	MFG APPR.								
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			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 2 OF 10	

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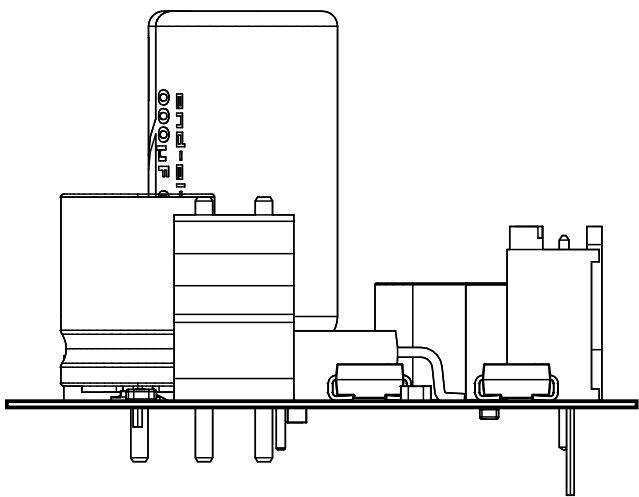
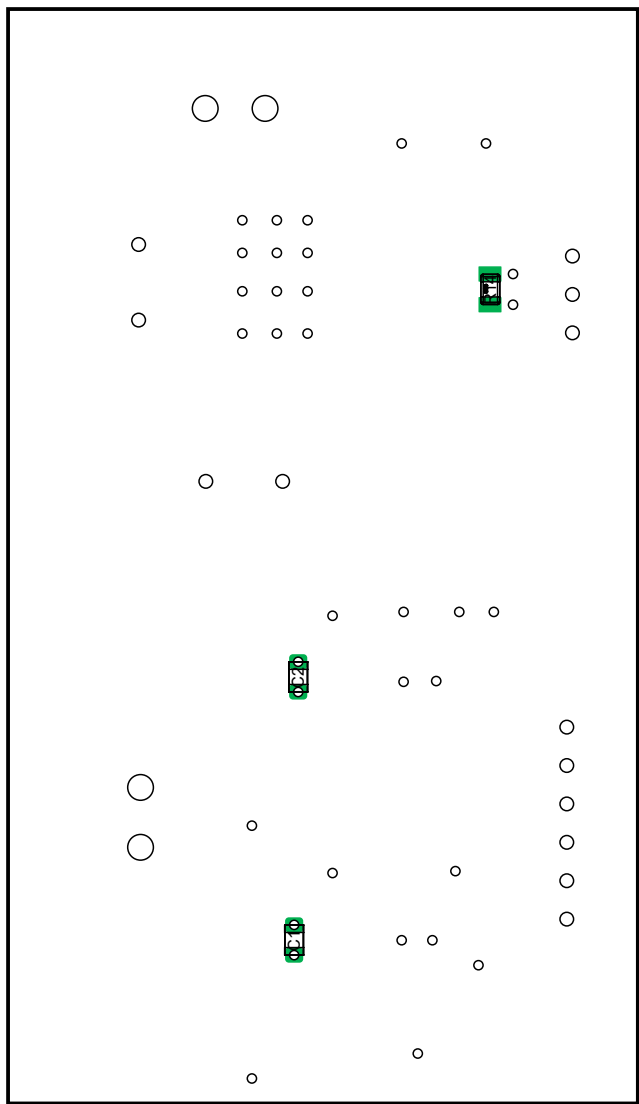
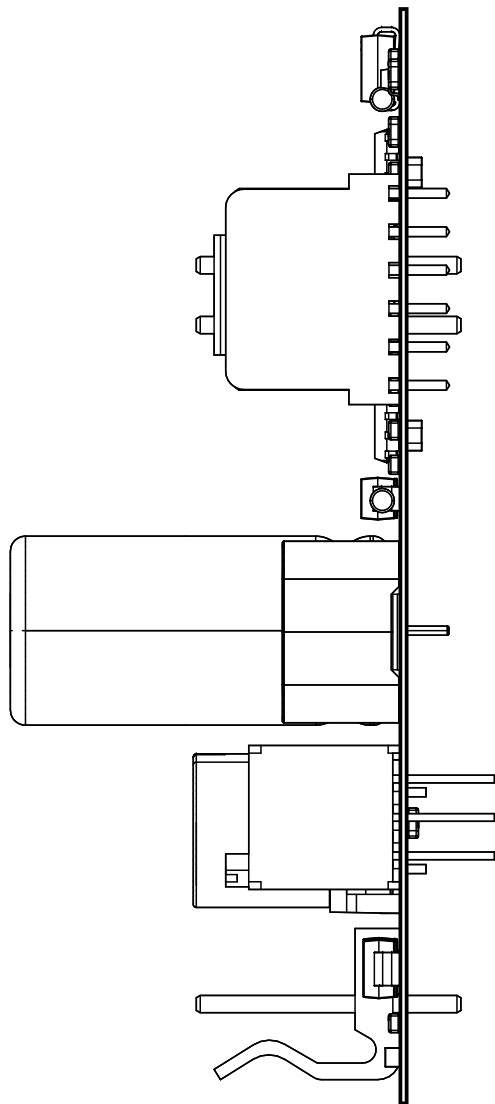
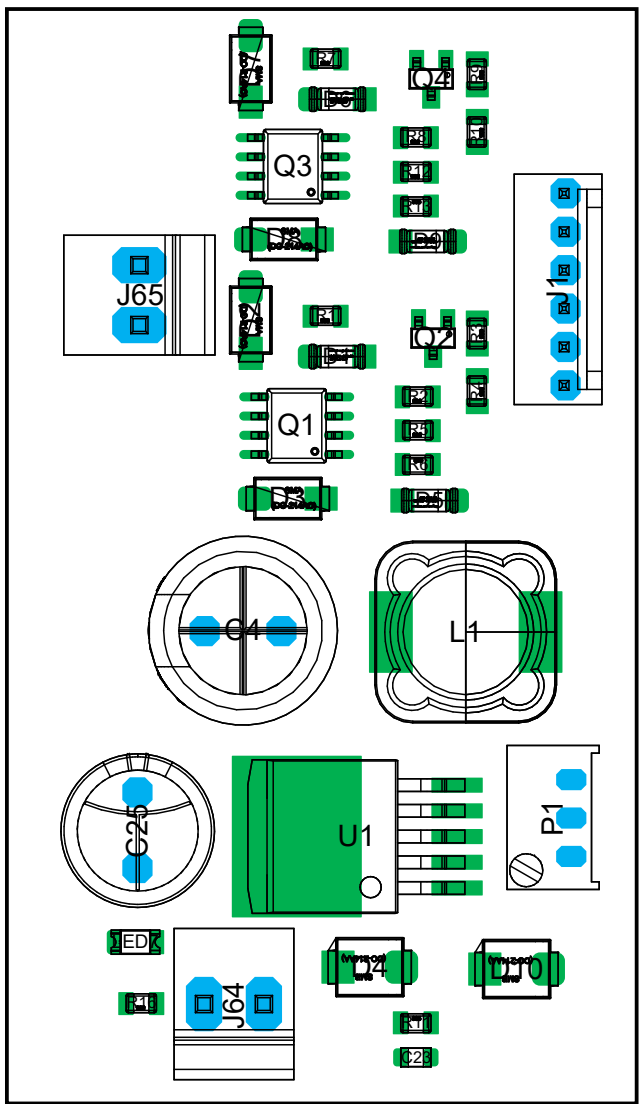
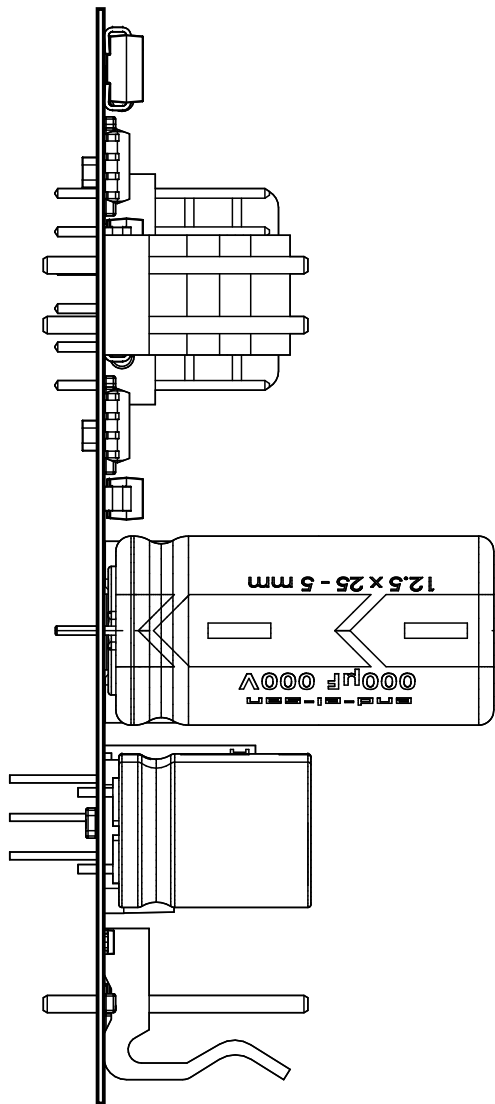
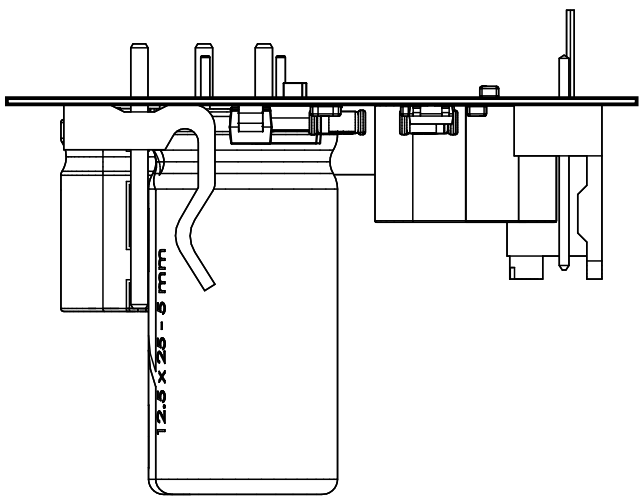
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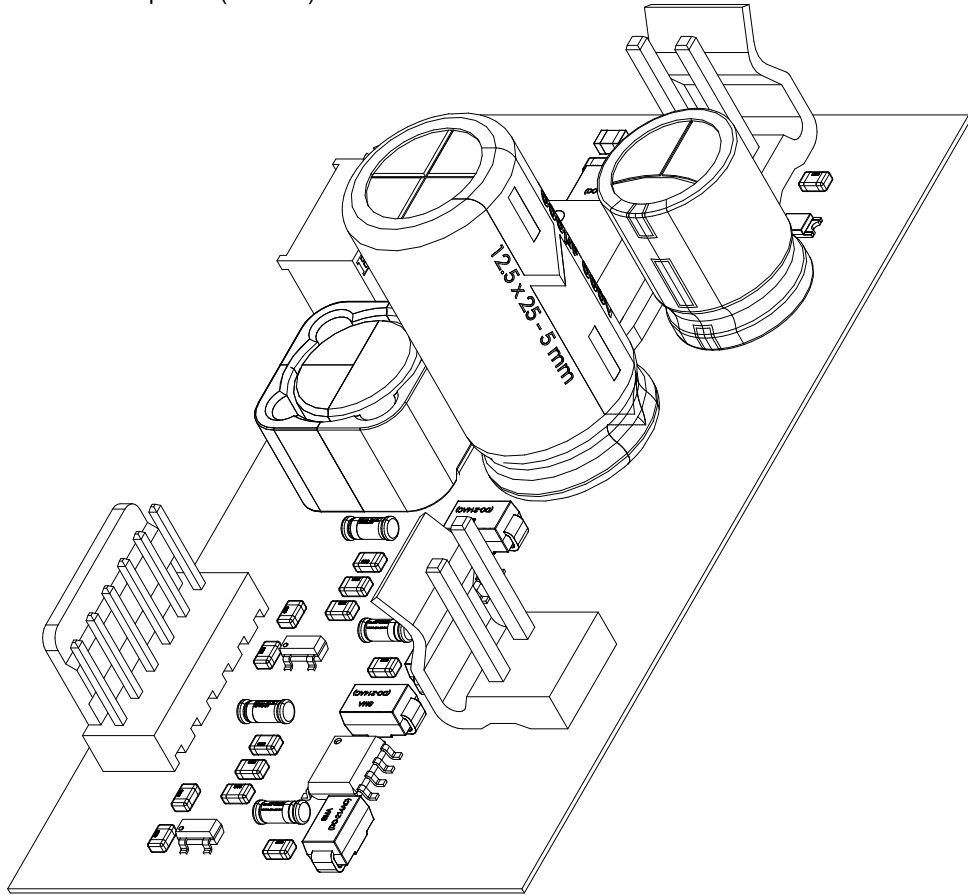
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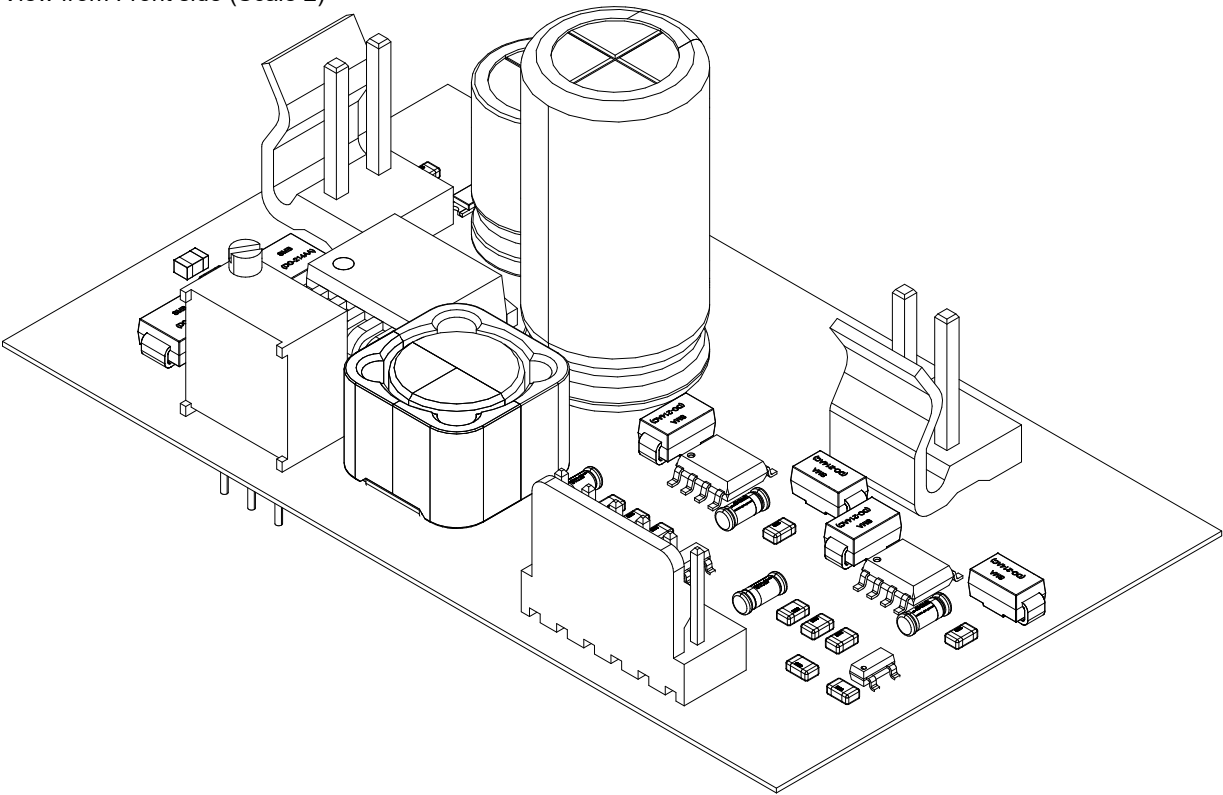
# Board Assembly View

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			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ± BEND ±	MFG APPR.			COMMENTS:		
			TWO PLACE DECIMAL ±	Q.A.					
			THREE PLACE DECIMAL ±				SIZE	DWG. NO.	
			INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:1	WEIGHT:	SHEET 3 OF 10
			MATERIAL						
	NEXT ASSY	USED ON	FINISH						
	APPLICATION		DO NOT SCALE DRAWING						

View from Top side (Scale 2)



View from Front side (Scale 2)



Board Isometric View

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			FRACTIONAL ±	ENG APPR.					
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			THREE PLACE DECIMAL ±				SIZE DWG. NO.		
			INTERPRET GEOMETRIC TOLERANCING PER:						
			MATERIAL				SCALE: 1:1 WEIGHT: SHEET 4 OF 10		
			FINISH						
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
	APPLICATION								

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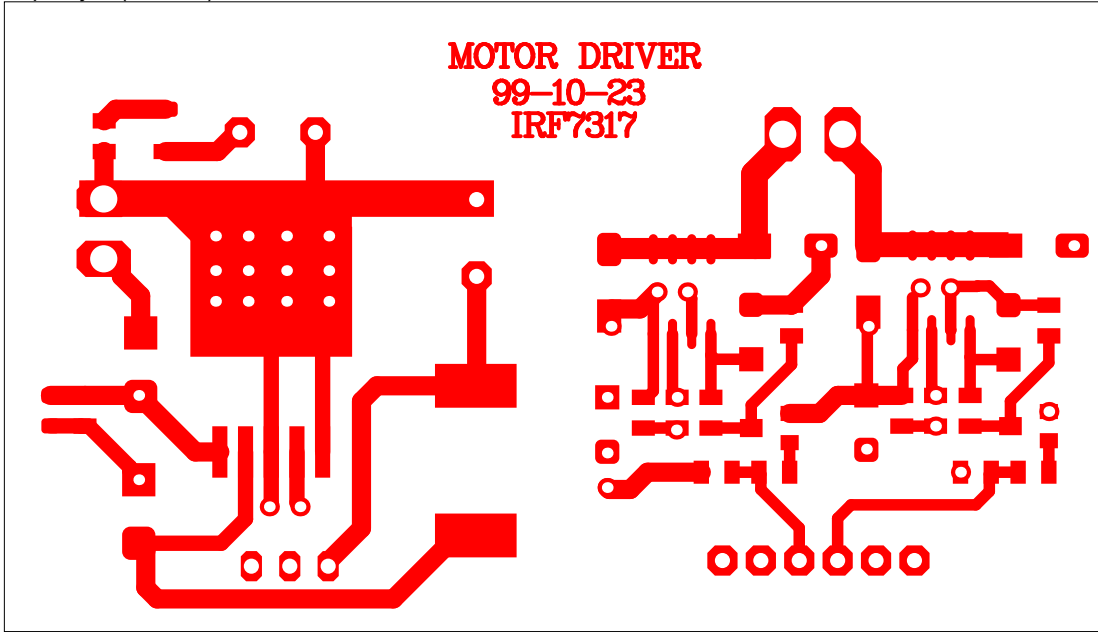
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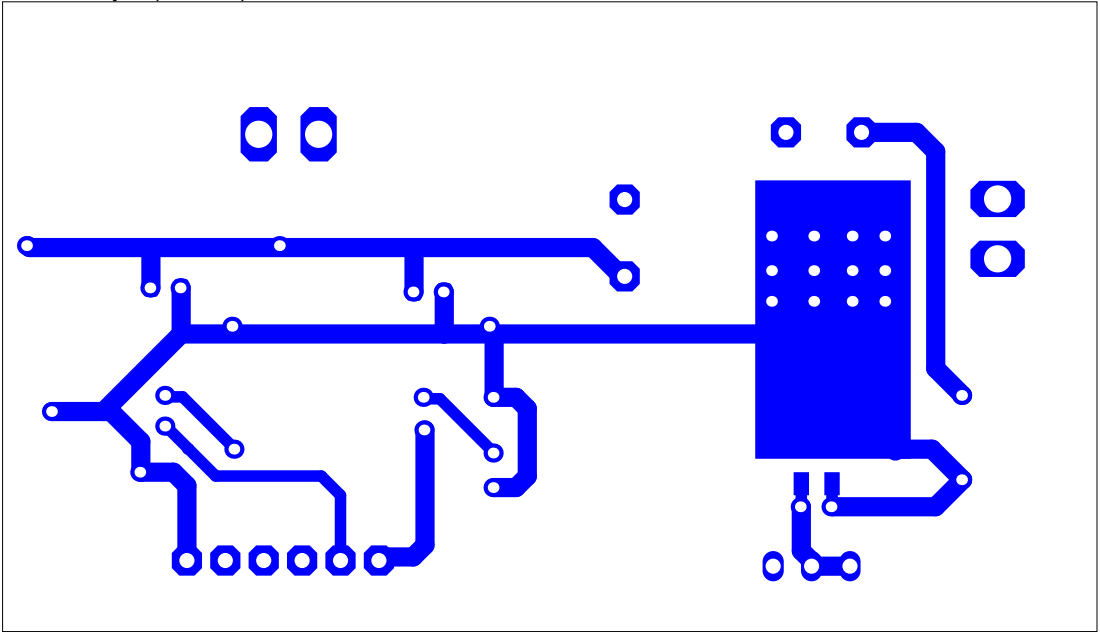
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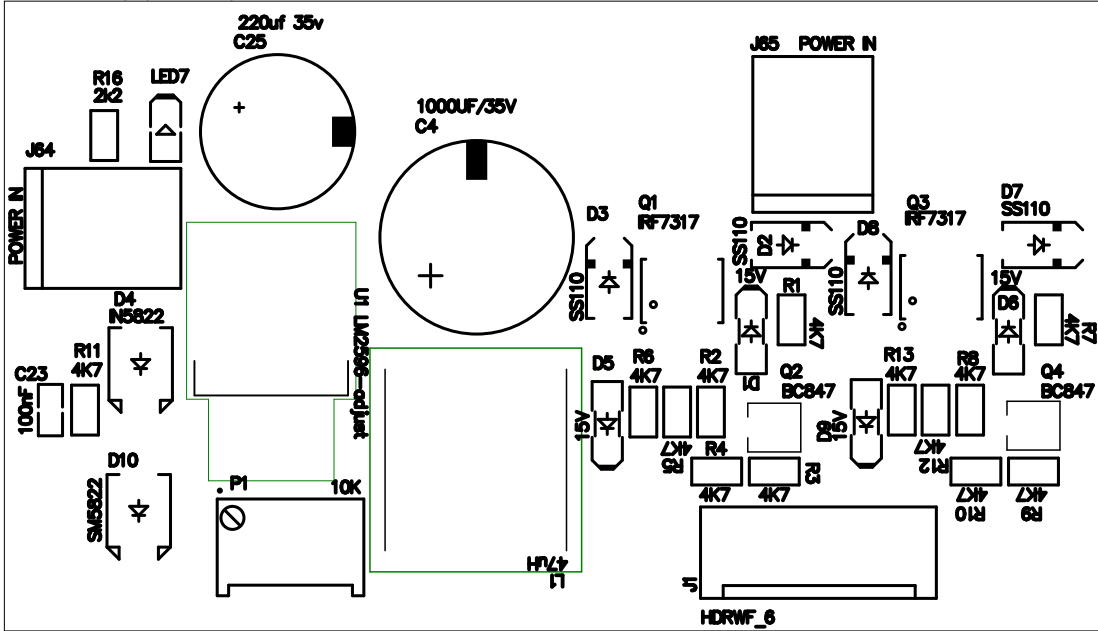
Top Layer (Scale 2)



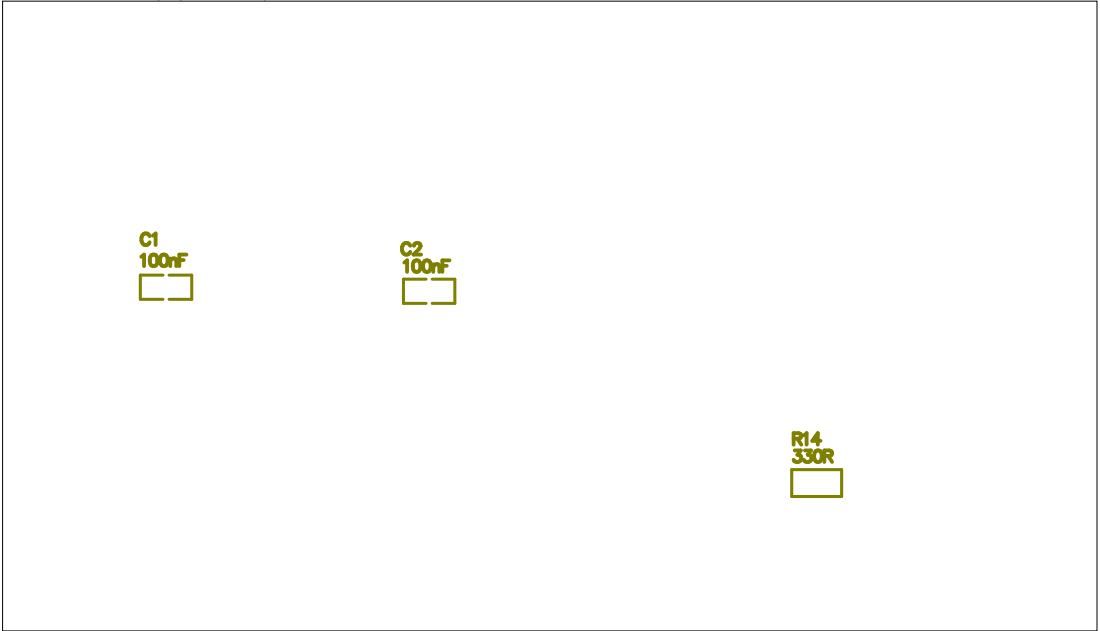
Bottom Layer (Scale 2)



Top Overlay (Scale 2)



Bottom Overlay (Scale 2)



# Board Fabrication View

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

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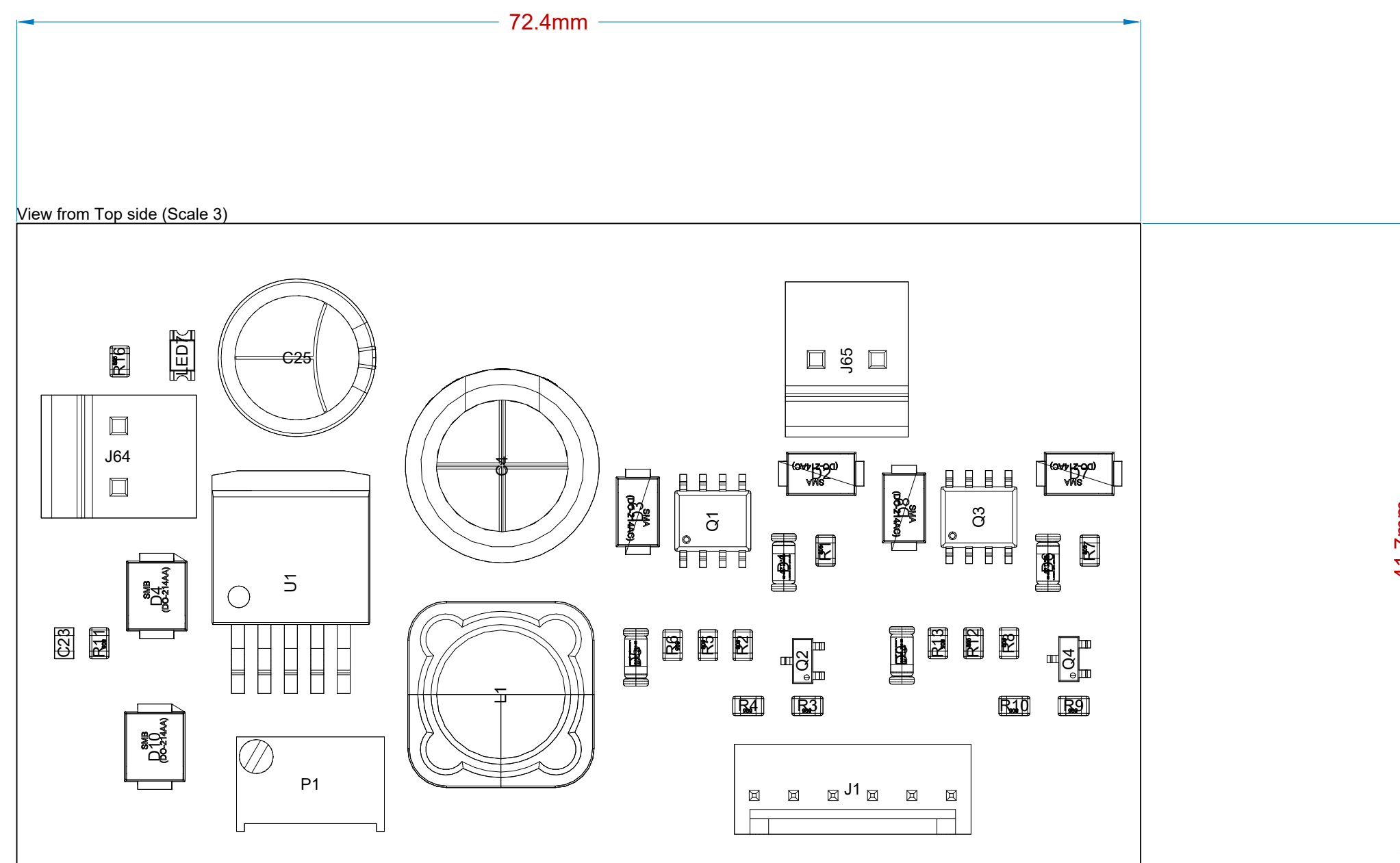
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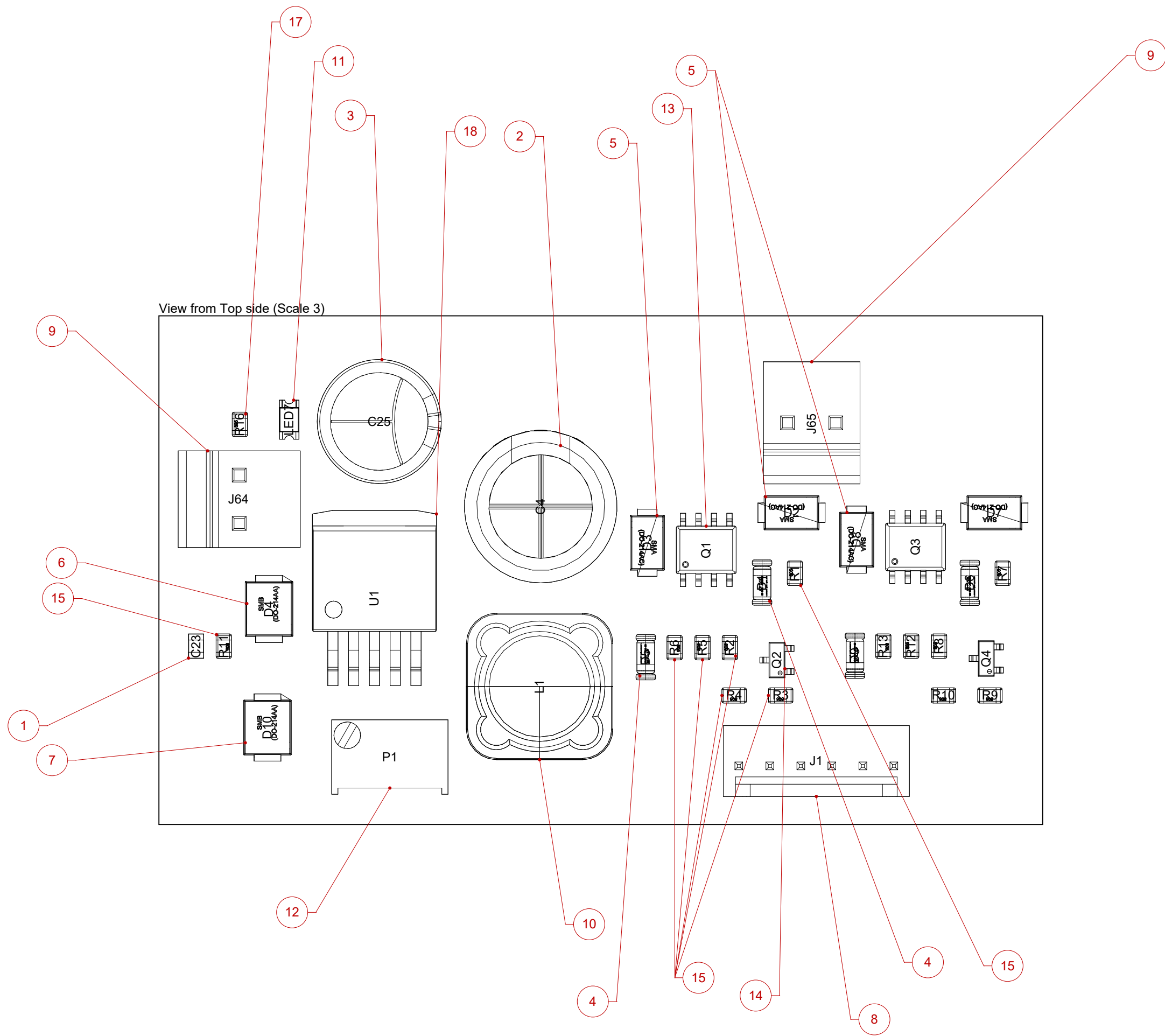
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## Board Diameter View

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



Bill Of Materials

Line #	Designator	Comment	Quantity
1	C1, C2, C23	100nF	3
2	C4	1000UF/35V	1
3	C25	220uf 35v	1
4	D1, D5, D6, D9	15V	4
5	D2, D3, D7, D8	SS110	4
6	D4	IN5822	1
7	D10	SM5822	1
8	J1	HDRWF_6	1
9	J64, J65	POWER IN	2
10	L1	47uH	1
11	LED7		1
12	P1	10K	1
13	Q1, Q3	IRF7317PBF	2
14	Q2, Q4	BC847AMTF	2
15	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13	4K7	13
16	R14	330R	1
17	R16	2k2	1
18	U1	LM2596-adjust	1

BOM

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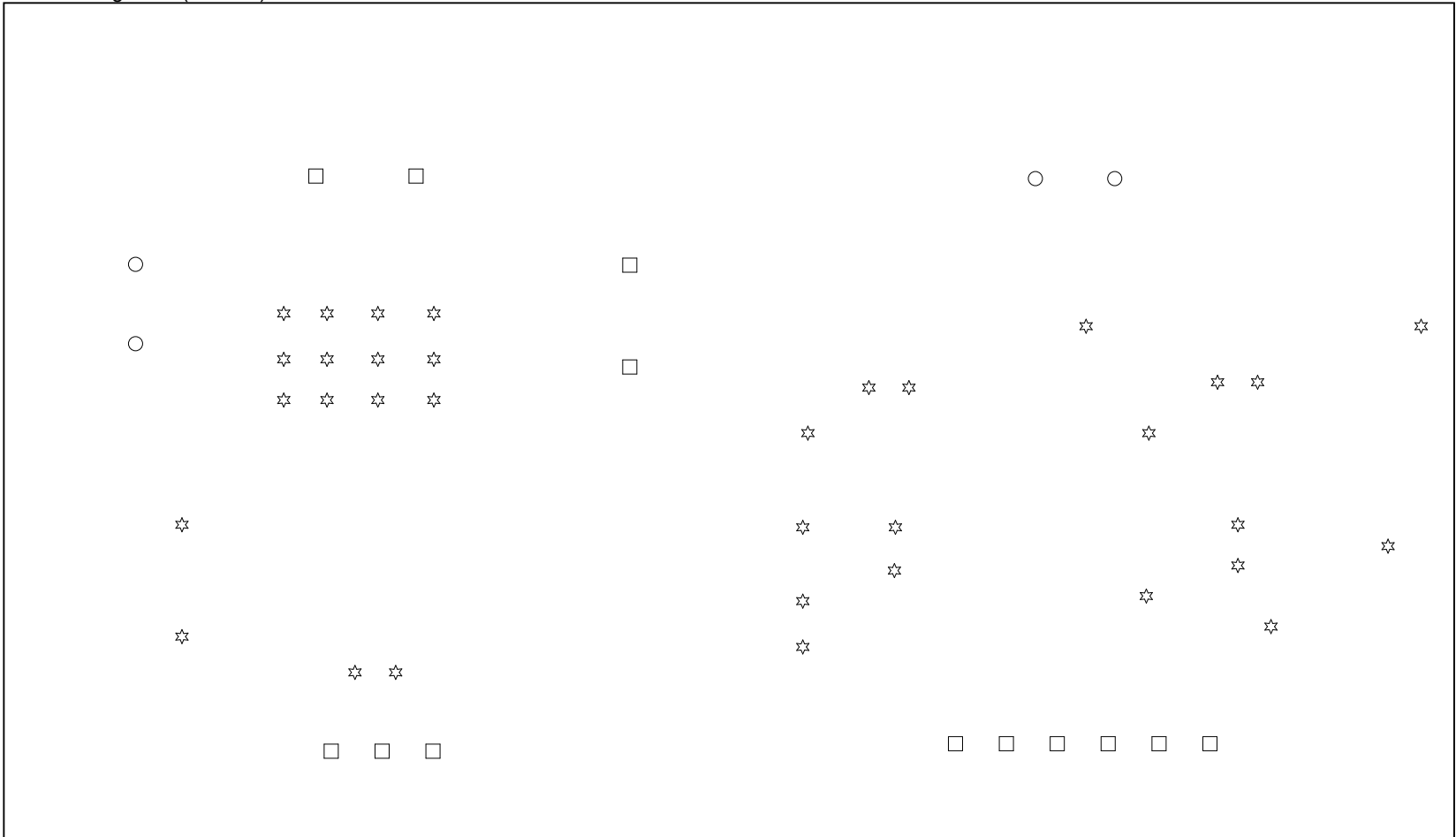
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Drill Drawing View (Scale 3)



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
☆	34	1mm	Plated	
□	13	1mm	Plated	
○	4	2mm	Plated	
	51			

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		TOLERANCES:	CHECKED					
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		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 9 OF 10
APPLICATION								

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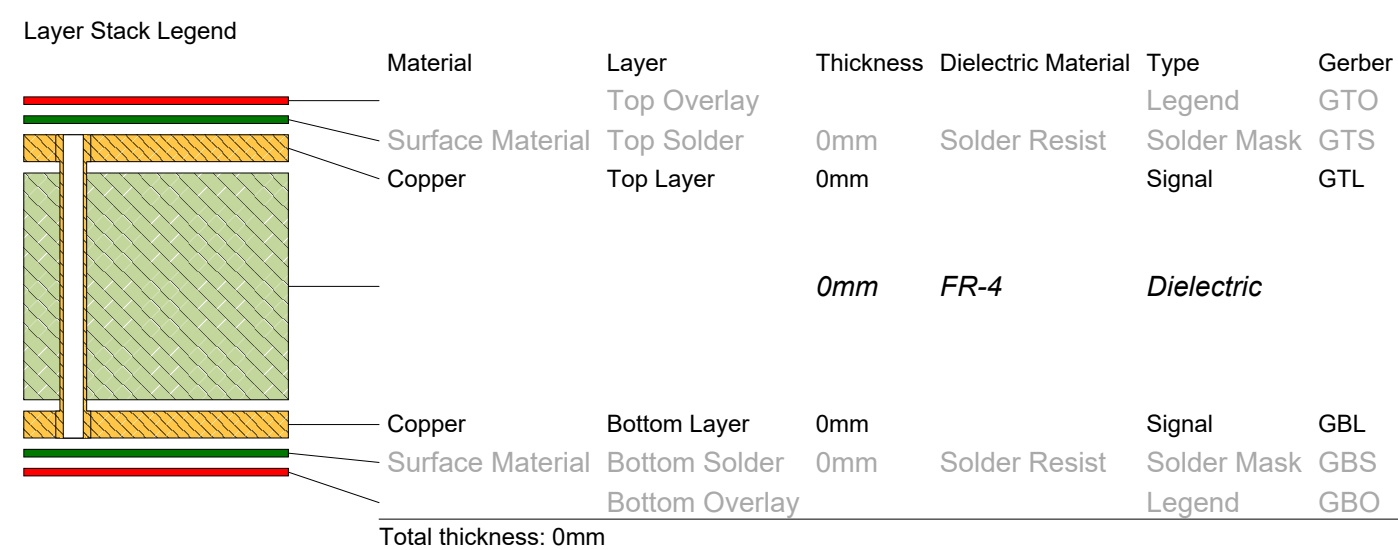
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## Layer Stack Legend

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