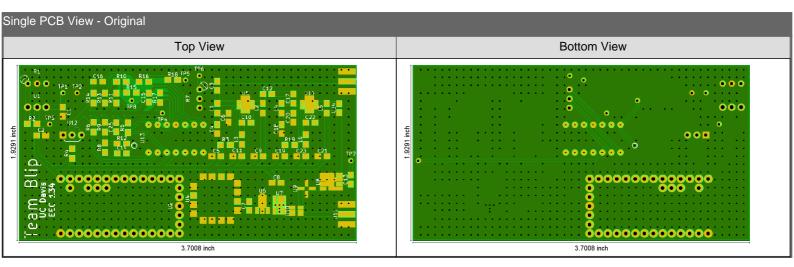
## **QED** Report

## Integr8tor

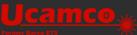
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Summary - General - Original			
PCB Size	3.7008 inch x 1.9291 inch	Copper Layers	2
PCB Thickness	62.00 mil	Solder Mask	Both
Customer Panel Size		Solder Mask Color	Green
SMD Pads Top	190	Legend	Both
SMD Pads Bottom	14	Legend Color	White
SMD Density Top	27 SMD/inch <sup>2</sup>	Peeloff Mask	None
SMD Density Bottom	2 SMD/inch <sup>2</sup>	Carbon Mask	None
Number of Nets	81	Drill Hole Density	92 Holes/inch <sup>2</sup>
Electrical Test	Double Sided	Holes in SMD Pads	Yes
Max. Aspect Ratio on PTH	4.1	Edge Connectors	No
		Surface Finish	

Summary - Coppe	r Layers - Original						
Layer Type	Min. Line Width	Min. Copper Width	Min. Ring	Min. Clr. to Copper	Min. Clr. to Plated Hole	Min. Clr. to NPTH	Min. Clr. to Outline
	mil	mil	mil	mil	mil	mil	mil
Outer	>16.00	7.26	7.50	6.00	13.66		12.00

Summary - Sequences - Original									
Туре	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Clr. Hole to Copper	
			mil	mil		mil	mil	mil	
Blind	0								
Buried	0								
PTH	1	5	15.00	43.31	658	7.50		13.66	
Plated (Total)	1	5	15.00	43.31	658	7.50		13.66	
NPTH	0								
Total	1	5	15.00	43.31	658	7.50		13.66	



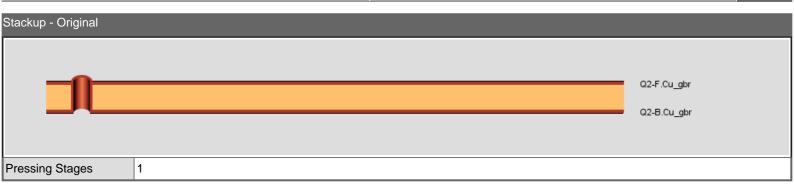
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# **QED Report**

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50 mil

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12.00 mil

## **QED** Report

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Copper Layers - Original											
File	Pos.	Min. Line Width	Min. Copper Width	Min. Ring	Min. Clr. to Copper	Min. Same Net spacing	Min. Clr. to Plated Hole	Min. Clr. to NPTH	Min. Clr. to Outline	Copper Ar	ea
		mil	mil	mil	mil	mil	mil	mil	mil	inch <sup>2</sup>	%
Q2-F.Cu_gbr	1	>16.00	7.26	7.50	6.00	5.54	13.66		12.00	6.3866	89
Q2-B.Cu_gbr	2	>16.00	7.26	7.50	6.58	>20.00	14.50		12.00	6.8345	96

Drill Tools - Original																
File	Tool Nr.	Span	Туре	Method	FilledVi a	Countere d	Dia.	Tol. Min	Tol. Plus	Holes (in PCB)	Moves (in PCB)	Doubl e Hits (in File)	Predril I Hits (in File)	Min. Ring on Outer	Min. Ring on Inner	Min. Pad Size
							mil	mil	mil					mil	mil	mil
Q2_drl	2	1-2	PTH	unknown	unknow n	unknown	15.00	0.00	0.00	601	0	4	0	7.50		30.00
Q2_drl	3	1-2	PTH	unknown	unknow n	unknown	25.00	0.00	0.00	8	0	0	0	10.00		45.00
Q2_drl	4	1-2	PTH	unknown	unknow n	unknown	31.50	0.00	0.00	9	0	0	0	12.60		56.70
Q2_drl	5	1-2	PTH	unknown	unknow n	unknown	39.37	0.00	0.00	37	0	0	0	19.68		78.73
Q2_drl	6	1-2	PTH	unknown	unknow n	unknown	43.31	0.00	0.00	3	0	0	0	11.81		66.93

Sequence	es - Original											
Span	Туре	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Ring on Outer NPTH	Min. Ring on Inner NPTH	Min. Clr. Hole to Copper	Min. Clr. Hole to Outline	Min. Clr. Slot to Outline
			mil	mil		mil	mil	mil	mil	mil	mil	mil
1-2	PTH	5	15.00	43.31	658	7.50				13.66	42.34	disabled
All	Plated	5	15.00	43.31	658	7.50				13.66	42.34	disabled
All	All	5	15.00	43.31	658	7.50		<u> </u>		13.66	42.34	disabled

Rout Tools - Original						
File	Tool Nr.	Туре	Tool Dia.	End Dia.	Draw Length	Nibble Count
			mil	mil	mil	
Q2_drl	1	PTH	unknown	9.84	112.99	129

Routed Holes - Original									
File	Hole Nr.	Instances	X Size	Y Size	Draw Length	Nibble Count			
			mil	mil	mil				
Q2_drl	1	2	17.87	9.84	8.03	9			
Q2_drl	2	2	17.95	9.84	8.11	9			
Q2_drl	3	10	17.91	9.84	8.07	9			

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Solder Mask - Original												
Side	Min. Ring on Cu Defined Pads	Min. Ring on SM Defined Pads	Min. Clr. Mask to Mask	Min. Web	Min. Clr. Mask to Copper	Fully Covered Via Holes	Partly Covered Via Holes					
	mil	mil	mil	mil	mil							
Тор	0.32		5.51	1.25	0.52	Yes	Yes					
Bottom	7.87		5.51	>10.00	1.72	Yes	No					

Files - Original										
Initial	Renamed	Format	Function	Position	Color					
Q2-F.SilkS.gbr	Q2-F.SilkS_gbr	ger274x	silk	top	white					
Q2-F.Mask.gbr	Q2-F.Mask_gbr	ger274x	mask	top	green					
Q2-F.Cu.gbr	Q2-F.Cu_gbr	ger274x	outer	1						
Q2-B.Cu.gbr	Q2-B.Cu_gbr	ger274x	outer	2						
Q2-B.Mask.gbr	Q2-B.Mask_gbr	ger274x	mask	bottom	green					
Q2-B.SilkS.gbr	Q2-B.SilkS_gbr	ger274x	silk	bottom	white					
Q2.drl	Q2_drl	excellon2	plated	1-2						
Q2-Edge.Cuts.gbr	Q2-Edge.Cuts_gbr	ger274x	cad_outline	none						

#### Input Remarks - Original

Gerber import: Invalid coincident draw, continuing without cleanup 'Q2-F.Cu.gbr'

Gerber import: Invalid contour, continuing with an interpretation. Cannot be cleaned up automatically. Must be cleaned up manually. 'Q2-F.Cu.gbr' (at line 5092)

#### Comments - Original

**Ucamco**\*