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Single PCB View - Original

Top View	Bottom View

3.925 inch — 5.175 inch

Summary - General - Original

PCB Size	5.175 inch x 3.925 inch	Customer Panel Size	
PCB Thickness	62.992 mil	Max. Aspect Ratio on PTH	5.2
Copper Layers	2	Pressing Stages	1
Surface Finish	None	Drill Hole Density	5 Holes/inch^2
Solder Mask	Both	Testable Points	284
Solder Mask Color	Green	Min. SMD/BGA Size	11.81 mil
Legend	Top Only	Via in Pad	Yes
Legend Color	White	Stacked Vias	
Edge Connector Area	0 inch^2	Castellated	No
Peeloff Mask	No	Anomalies	No
Carbon Mask	No		

Summary - Copper Layer Minima - Original

Type	Copper Width	Critical Copper Width	Trace Width	Critical Trace Width	Copper to Copper Clr.	Trace to Trace Clr.	Same Net Clr.	Ring	Copper to Plated Clr.	Copper to NPTH Clr.	Copper to Outline Clr.
	mil	mil	mil	mil	mil	mil	mil	mil	mil	mil	mil
Outer	[1] 6.63	[2] 7.87	[3] 7.87	[4] 7.87	[5] 6.02	[6] 7.00	[7] 8.66	[8] 7.88	[9] 15.00	[10] 7.60	[11] 15.01

Summary - Sequences - Original

Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Routs	Ring on Outer	Ring on Inner	Hole to Copper Clr.
			mil	mil			mil	mil	mil
PTH	1	9	12.00	137.80	94	4	7.88		15.00
NPTH	1	1	25.60	25.60	2	0	>32.00		7.60
Total	2	10	12.00	137.80	96	4	7.88		7.60

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Solder Mask - Original

Side	Mask to Mask Clr.	Web	Ring on Cu Defined Pads	Ring on SM Defined Pads	Mask to Copper Clr.	Mask Opening	Fully Covered Via Holes	Partly Covered Via Holes	One Side Covered Vias 🛈	Both Sides Covered Vias 🛈	No Side Covered Vias 🛈
	mil	mil	mil	mil	mil	mil					
Top	7.65	7.65	4.02	>10.00	3.86	11.81	Yes	No			
Bottom	>10.00	>10.00	>10.00	>10.00	>10.00	25.59	Yes	No			
Both	7.65	7.65	4.02		3.86	11.81	Yes	No	Yes	Yes	No

Stackup - Original

legend	COFFEE_MAKER-F_Silkscreen_gbr
soldermask	COFFEE_MAKER-F_Mask_gbr
1	COFFEE_MAKER-F_Cu_gbr
	FR4
2	COFFEE_MAKER-B_Cu_gbr
soldermask	COFFEE_MAKER-B_Mask_gbr
	COFFEE_MAKER-NPTH_drl
	COFFEE_MAKER-PTH_drl
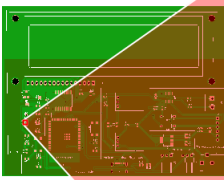
Pressing Stages	1

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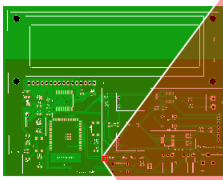## Summary Minimum Design Characteristics - Locations - Original

1

COFFEE_MAKER-F_Cu_gbr
x: 4393.64 mil
y: -3449.92 mil
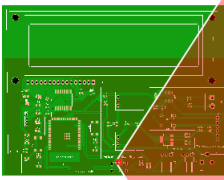
Copper Width
Outer Layers
6.63 mil

100 mil

2

COFFEE_MAKER-F_Cu_gbr
x: 6197.71 mil
y: -4290.0 mil

Critical Copper Width
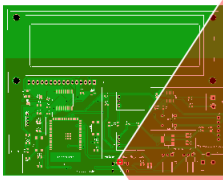**Outer Layers**
7.87 mil

100 mil

3

COFFEE_MAKER-F_Cu_gbr
x: 6554.51 mil
y: -4375.87 mil

Trace Width
Outer Layers
7.87 mil
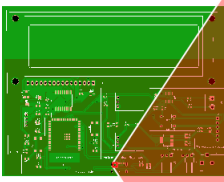
100 mil

4

COFFEE_MAKER-F_Cu_gbr
x: 6554.51 mil
y: -4375.87 mil

Critical Trace Width
Outer Layers
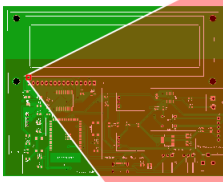**7.87 mil**

100 mil

5

COFFEE_MAKER-F_Cu_gbr
x: 6464.42 mil
y: -4430.62 mil
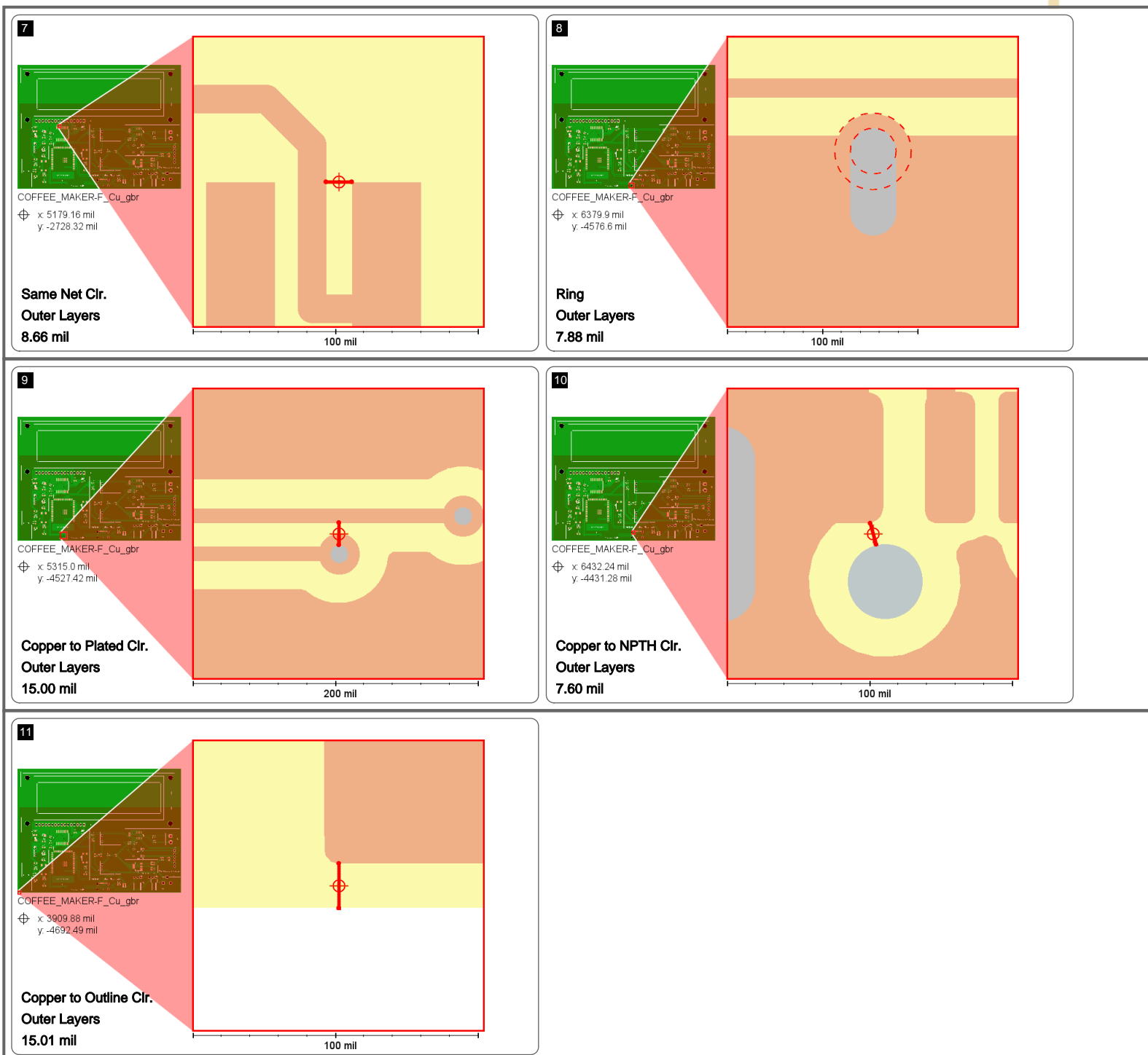
Copper to Copper Clr.
Outer Layers
6.02 mil

100 mil

6

COFFEE_MAKER-F_Cu_gbr
x: 4437.28 mil
y: -2424.3 mil

Trace to Trace Clr.
Outer Layers
7.00 mil

100 mil

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7

COFFEE_MAKER-F_Cu_gbr

x: 5179.16 mil
y: -2728.32 mil

Same Net Clr.

Outer Layers

8.66 mil

100 mil

8

COFFEE_MAKER-F_Cu_gbr

x: 6379.9 mil
y: -4576.6 mil

Ring

Outer Layers

7.88 mil

100 mil

9

COFFEE_MAKER-F_Cu_gbr

x: 5315.0 mil
y: -4527.42 mil

Copper to Plated Clr.

Outer Layers

15.00 mil

200 mil

10

COFFEE_MAKER-F_Cu_gbr

x: 6432.24 mil
y: -4431.28 mil

Copper to NPTH Clr.

Outer Layers

7.60 mil

100 mil

11

COFFEE_MAKER-F_Cu_gbr

x: 3909.88 mil
y: -4692.49 mil

Copper to Outline Clr.

Outer Layers

15.01 mil

100 mil

Copper Layer Minima & Area - Original

File	Pos.	Copper Width	Critical Copper Width	Trace Width	Critical Trace Width	Copper to Copper Clr.	Same Net Clr.	Copper Area	
		mil	mil	mil	mil	mil	mil	inch^2	%
COFFEE_MAKER-F_Cu_gbr	1	6.63	7.87	7.87	7.87	6.02	8.66	10.9240	54
COFFEE_MAKER-B_Cu_gbr	2	8.00	8.00	8.00	8.00	7.00	>32.00	12.7380	63

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Copper Layer Minima - Copper to Drill Minima - Original

File	Pos.	Ring					Copper to Drill Clr.		Copper to Outline Clr.			
		Overall	Via	Laser Via	Comp.	Mech.	Plated	NPTH	Overall	to Pad	to Trace	to Region
		mil	mil	mil	mil	mil	mil	mil	mil	mil	mil	mil
COFFEE_MAKER-F_Cu_gbr	1	7.88	7.90		7.88	9.84	15.00	7.60	15.01	>64.00	>64.00	15.01
COFFEE_MAKER-B_Cu_gbr	2	7.90	7.90		10.82	9.84	15.00	12.96	15.01	>64.00	>64.00	15.01

Drill Tools - Original

File	Tool Nr.	Span	Type	Function	Method	Filled Via	Counter	Dia.	Tol. -	Tol. +	Holes in PCB	Routs in PCB	Double Hits	Predrill Hits
								mil	mil	mil				
COFFEE_MAKER-NPTH_drl	1	1-2	NPTH	mech.	mech.	unknown	unknown	25.60	0.00	0.00	2	0	0	0
COFFEE_MAKER-PTH_drl	1	1-2	PTH	via	mech.	unknown	unknown	12.00	0.00	0.00	17	0	0	0
COFFEE_MAKER-PTH_drl	2	1-2	PTH	via	mech.	unknown	unknown	15.70	0.00	0.00	26	0	0	0
COFFEE_MAKER-PTH_drl	3	1-2	PTH	comp.	mech.	unknown	unknown	23.60	0.00	0.00	0	4	0	0
COFFEE_MAKER-PTH_drl	4	1-2	PTH	comp.	mech.	unknown	unknown	31.50	0.00	0.00	8	0	0	0
COFFEE_MAKER-PTH_drl	5	1-2	PTH	comp.	mech.	unknown	unknown	39.40	0.00	0.00	18	0	0	0
COFFEE_MAKER-PTH_drl	6	1-2	PTH	comp.	mech.	unknown	unknown	47.20	0.00	0.00	16	0	0	0
COFFEE_MAKER-PTH_drl	7	1-2	PTH	comp.	mech.	unknown	unknown	51.20	0.00	0.00	2	0	0	0
COFFEE_MAKER-PTH_drl	8	1-2	PTH	comp.	mech.	unknown	unknown	63.00	0.00	0.00	3	0	0	0
COFFEE_MAKER-PTH_drl	9	1-2	PTH	mech.	mech.	unknown	unknown	137.80	0.00	0.00	4	0	0	0

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Drill Tools - Drill vs Copper - Original

File	Tool Nr.	Span	Type	Function	Method	Dia.	Ring on Outer	Ring on Inner	Min. Pad Size	Via in Pad	Plated to Copper Clr.			
											Overall	to Pad	to Trace	to Region
						mil	mil	mil	mil		mil	mil	mil	mil
COFFEE_MAKER-NPTH_drl	1	1-2	NPTH	mech.	mech.	25.60	>32.00							
COFFEE_MAKER-PTH_drl	1	1-2	PTH	via	mech.	12.00	8.00		28.00	0	15.00	22.59	15.00	27.70
COFFEE_MAKER-PTH_drl	2	1-2	PTH	via	mech.	15.70	7.90		31.50	1	18.21	>32.00	18.21	27.60
COFFEE_MAKER-PTH_drl	3	1-2	PTH	comp.	mech.	23.60	unknown		> 87.60		unknown	unknown	unknown	unknown
COFFEE_MAKER-PTH_drl	4	1-2	PTH	comp.	mech.	31.50	10.82		53.14		30.53	>32.00	>32.00	30.53
COFFEE_MAKER-PTH_drl	5	1-2	PTH	comp.	mech.	39.40	13.76		66.92		>32.00	>32.00	>32.00	>32.00
COFFEE_MAKER-PTH_drl	6	1-2	PTH	comp.	mech.	47.20	11.83		70.86		19.71	>32.00	19.71	31.54
COFFEE_MAKER-PTH_drl	7	1-2	PTH	comp.	mech.	51.20	25.58		102.36		>32.00	>32.00	>32.00	>32.00
COFFEE_MAKER-PTH_drl	8	1-2	PTH	comp.	mech.	63.00	19.68		102.36		>32.00	>32.00	>32.00	>32.00
COFFEE_MAKER-PTH_drl	9	1-2	PTH	mech.	mech.	137.80	9.84		157.48		29.54	>32.00	>32.00	29.54

Sequences - Original

Span	Type	Tools	Min. End Dia.	Max. End Dia.	Holes	Ring on Outer	Ring on Inner	Hole to Copper Clr.	Hole to Outline Clr.	Slot to Outline Clr.
			mil	mil		mil	mil	mil	mil	mil
1-2	PTH	9	12.00	137.80	94	7.88		15.00	153.08	80.10
1-2	NPTH	1	25.60	25.60	2	>32.00		7.60	239.80	>256.00
All	All	10	12.00	137.80	96	7.88		7.60	153.08	80.10

Rout Tools - Original

File	Tool Nr.	Type	Tool Dia.	End Dia.	Rout Length	Nibble Count
			mil	mil	mil	
COFFEE_MAKER-PTH_drl	3	PTH	0.00	23.60	149.60	68

Routed Holes - Original

File	Hole Nr.	Instances	X Size	Y Size	Rout Length	Nibble Count
			mil	mil	mil	
COFFEE_MAKER-PTH_drl	1	2	23.60	66.90	43.30	17
COFFEE_MAKER-PTH_drl	2	2	23.60	55.10	31.50	17
All			4			74.80	34

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Files - Original

Initial	Renamed	Function	Position	Color	Thickness Base	Thickness Finished
					mil	mil
COFFEE_MAKER-F_Paste.gbr		paste	top			
COFFEE_MAKER-F_Silkscreen.gbr		silk	top	white	unknown	unknown
COFFEE_MAKER-F_Mask.gbr		mask	top	green	unknown	unknown
COFFEE_MAKER-F_Cu.gbr		outer	1		unknown	unknown
COFFEE_MAKER-B_Cu.gbr		outer	2		unknown	unknown
COFFEE_MAKER-B_Mask.gbr		mask	bottom	green	unknown	unknown
COFFEE_MAKER-NPTH.drl		nonplated	1-2			
COFFEE_MAKER-PTH.drl		plated	1-2			
COFFEE_MAKER-B_Paste.gbr		empty	none			
COFFEE_MAKER-B_Silkscreen.gbr		empty	none			
COFFEE_MAKER-Edge_Cuts.gbr		cad_outline	none			
COFFEE_MAKER-NPTH-drl_map.gbr		drillmap	none			
COFFEE_MAKER-PTH-drl_map.gbr		drillmap	none			

Input Remarks - Original

Gerber import: Invalid coincident draw, continuing without cleanup 'COFFEE_MAKER-B_Cu.gbr'

Gerber import: Invalid contour, continuing with an interpretation. Cannot be cleaned up automatically. Must be cleaned up manually. 'COFFEE_MAKER-B_Cu.gbr' (at line 5376)

Gerber import: Invalid coincident draw, continuing without cleanup 'COFFEE_MAKER-F_Cu.gbr'

Gerber import: Self-intersecting contours are detected, continuing with an interpretation of the contours. 'COFFEE_MAKER-F_Cu.gbr' (at line 2009)

Gerber import: Invalid contour, continuing with an interpretation. Cannot be cleaned up automatically. Must be cleaned up manually. 'COFFEE_MAKER-F_Cu.gbr' (at line 2492)

DISCREPANCY: Extra bottom layers mismatch between Gerber Job File and current job stackup.

OMITTED: $.MaterialStackup[7] not added to layer attributes because corresponding layer could not be found.

OMITTED: $.MaterialStackup[8] not added to layer attributes because corresponding layer could not be found.

Comments - Original