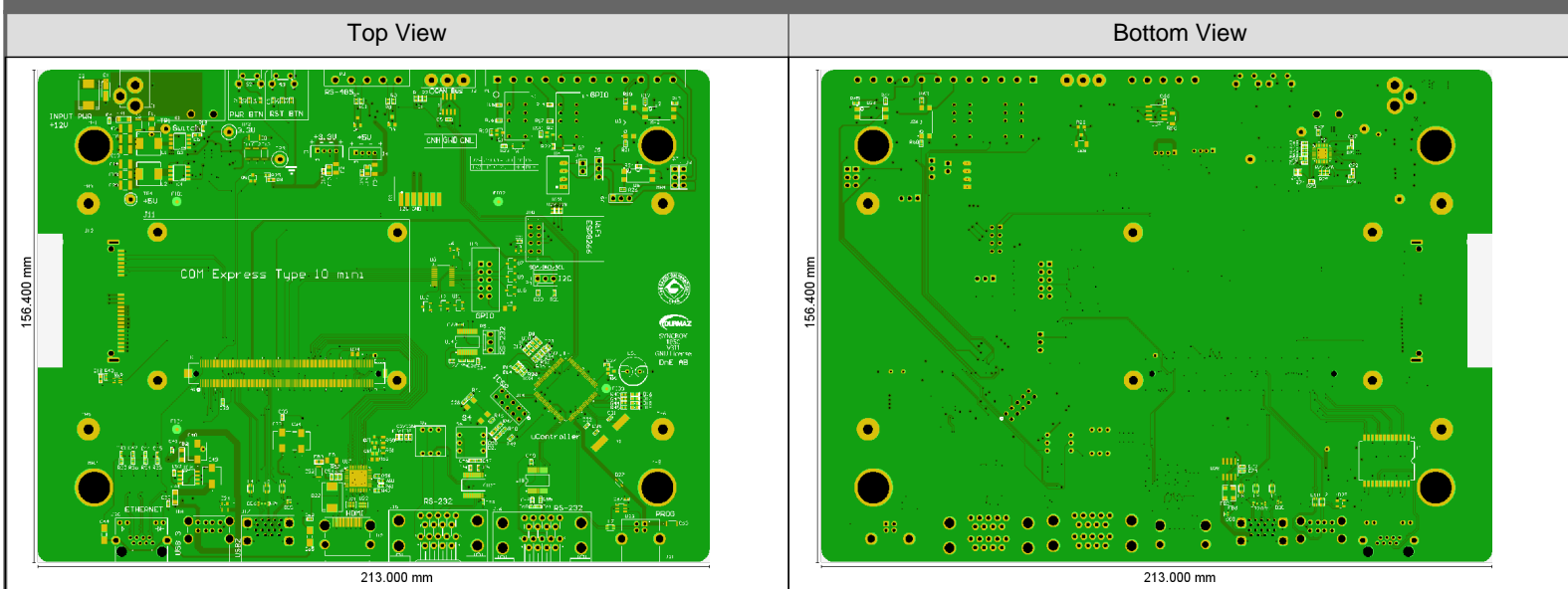


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Single PCB View - Original



Summary - General - Original

PCB Size	213.000 mm x 156.400 mm	Surface Finish	unknown
PCB Thickness	1.600 mm	Max. Aspect Ratio on PTH	8.0
Customer Panel Size		Number of Nets	552
Copper Layers	6	Electrical Test	Double Sided
Solder Mask	Both	Drilled SMD Pads	Yes
Solder Mask Color	unknown	SMD Pads Top	960
Legend	Both	SMD Pads Bottom	179
Legend Color	unknown	BGA Pads Top	0
Peeloff Mask	None	BGA Pads Bottom	0
Carbon Mask	None	Drill Hole Density	243 Holes/dm ²
Edge Connectors	No		

Summary - Copper Layers - Original

Layer Type	Min. Copper Width	Min. Critical Copper Width	Min. Trace Width	Min. Critical Trace Width	Min. Clr. Copper to Copper	Min. Clr. Trace to Trace	Min. Same Net Spacing	Min. Ring	Copper to Plated Clr.	Copper to NPTH Clr.	Copper to Outline Clr.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Outer	1 0.034	2 0.221	3 0.250	4 0.250	5 0.150	6 0.150	7 0.018	8 0.100	9 0.237	10 0.150	11 0.698
Inner	12 0.055	13 0.200	14 0.200	15 0.200	16 0.150	17 0.200	18 0.084	19 0.000	20 0.162	21 0.162	22 0.196

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Summary - Sequences - Original

Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Moves	Min. Ring on Outer	Min. Ring on Inner	Min. Clr. Hole to Copper
			mm	mm			mm	mm	mm
Blind	0								
Buried	0								
PTH	1	30	0.200	10.000	798	6	0.100	0.000	0.162
Plated (Total)	1	30	0.200	10.000	798	6	0.100	0.000	0.162
NPTH	1	1	3.250	3.250	2	0	>0.800	>0.800	0.150
Total	2	31	0.200	10.000	800	6	0.100	0.000	0.150

Summary - Rout - Original

Type	Tools	Min. End Dia.	Max. End Dia.	Draw Length
		mm	mm	mm
Plated	2	0.300	0.762	5.607
NPTH				
Total	2	0.300	0.762	5.607

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Stackup - Original



Pressing Stages 1

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Files - Original

Name	ProductionFiles.rar	Id.	44479 - QED With Image Data
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Initial	Renamed	Format	Function	Position	Color
SYNCBOX.GPT	doc18	ger274x	pads	top	
SYNCBOX.GTP	doc20	ger274x	paste	top	
SYNCBOX.GTO	doc19	ger274x	legend	top	unknown
SYNCBOX.GTS	doc21	ger274x	soldermask	top	unknown
SYNCBOX.GTL	Top	ger274x	outer	1	
SYNCBOX.GP1	Inner2	ger274x	plane	2	
SYNCBOX.G1	Inner3	ger274x	inner	3	
SYNCBOX.G2	Inner4	ger274x	inner	4	
SYNCBOX.GP2	Inner5	ger274x	plane	5	
SYNCBOX.GBL	Bot	ger274x	outer	6	
SYNCBOX.GBS	doc2	ger274x	soldermask	bottom	unknown
SYNCBOX.GBO	doc	ger274x	legend	bottom	unknown
SYNCBOX.GBP	doc1	ger274x	paste	bottom	
SYNCBOX-RectHoles-Plated.TXT	drl3	excellon2	plated	1-6	
SYNCBOX-RoundHoles-NonPlated.TXT	drl1	excellon2	unplated	1-6	
SYNCBOX-RoundHoles-Plated.TXT	drl	excellon2	plated	1-6	
SYNCBOX-SlotHoles-Plated.TXT	drl2	excellon2	rout	1-6	
SYNCBOX.GPB	doc17	ger274x	pads	bottom	
SYNCBOX.GD1	doc3	ger274x	drillmap	none	
SYNCBOX.GG1	doc4	ger274x	drillmap	none	
SYNCBOX.GKO	doc5	ger274x	empty	none	
SYNCBOX.GM1	doc6	ger274x	mechanical	none	
SYNCBOX.GM13	doc7	ger274x	mechanical	none	
SYNCBOX.GM15	doc8	ger274x	mechanical	none	
SYNCBOX.GM16	doc9	ger274x	mechanical	none	
SYNCBOX.GM2	doc10	ger274x	mechanical	none	
SYNCBOX.GM28	doc11	ger274x	empty	none	
SYNCBOX.GM29	doc12	ger274x	mechanical	none	
SYNCBOX.GM3	doc13	ger274x	mechanical	none	
SYNCBOX.GM4	doc14	ger274x	empty	none	
SYNCBOX.GM5	doc15	ger274x	empty	none	
SYNCBOX.GM6	doc16	ger274x	empty	none	
CAMtastic1.Cam		extern	document		
CAMtastic2.Cam		extern	document		
Design_Rule_Check_-_SYNCBOX.drc		text	document		
Design_Rule_Check_-_SYNCBOX.html		extern	document		
SYNCBOX-macro.APR_LIB		text	document		
SYNCBOX.DRL		extern	document		
SYNCBOX.DRR		text	document		
SYNCBOX.EXTREP		text	document		

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SYNCBOX.LDP		text	document		
SYNCBOX.REP		text	document		
SYNCBOX.RUL		text	document		
SYNCBOX.apr		text	document		
Status_Report.Txt		text	document		

PCB (Single) - Original

PCB Size	Outline Type	Outline Length	Outline Area	Copper Layers	PCB Thickness
mm x mm		mm	dm ²		mm
213.000 x 156.400	real	747.612	3.2962	6	1.600

Thickness - Original

No license to generate this information.

Copper Layer Minima & Area - Original

File	Pos.	Min. Copper Width	Min. Critical Copper Width	Min. Trace Width	Min. Critical Trace Width	Min. Clr. Copper to Copper	Min. Clr. Trace to Trace	Min. Same Net Spacing	Min. Ring	Copper to Plated Clr.	Copper to NPTH Clr.	Copper to Outline Clr.	Copper Area	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	dm ²	%
Top	1	0.218	0.250	0.250	0.250	0.150	0.150	0.025	0.100	0.237	0.150	0.698	0.4998	15
Inner2	2	0.055	0.500	>0.400	>0.400	>0.800	>0.500	0.084	0.000	0.300	0.300	0.196	3.1502	96
Inner3	3	0.200	0.200	0.200	0.200	0.183	0.200	>0.500	0.124	0.275	>1.600	>1.600	0.0596	2
Inner4	4	0.124	>0.500	>0.400	>0.400	0.150	>0.500	0.106	0.127	0.162	0.162	1.143	2.1971	67
Inner5	5	0.055	0.500	>0.400	>0.400	>0.800	>0.500	0.084	0.000	0.300	0.300	0.196	3.1502	96
Bot	6	0.034	0.221	0.250	0.250	0.150	0.150	0.018	0.100	0.250	0.727	0.952	0.2690	8

Copper Areas - Original

Side	Total	Free of				Edge Connector Fingers	Edge Connector Finger Size	Edge Connectors
		Solder Mask (as supplied)	Solder Mask (with Open Vias)	Gold Mask	Silver Mask			
	dm ²	dm ²	dm ²	dm ²	dm ²		mm x mm	dm ²
Top (incl. 1/2 plated holes and routs)	0.5494	0.2608	0.3030			0		
Bottom (incl. 1/2 plated holes and routs)	0.3185	0.1867	0.2290			0		
Total (incl. plated holes and routs)	0.8679	0.4475	0.5320			0		

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Drill Tools - Original

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File	Tool Nr.	Span	Type	Method	FilledVia	Countere d	Dia.	Tol. Min	Tol. Plus	Holes (in PCB)	Moves (in PCB)	Doubl e Hits (in File)	Predril l Hits (in File)	Min. Ring on Outer	Min. Ring on Inner	Min. Pad Size
							mm	mm	mm					mm	mm	mm
drl	1	1-6	PTH	unknow n	unknown	unknown	0.200	0.000	0.000	401	0	0	0	0.124	0.000	0.200
drl	2	1-6	PTH	unknow n	unknown	unknown	0.223	0.000	0.000	1	0	0	0	0.114	>0.80 0	0.451
drl	4	1-6	PTH	unknow n	unknown	unknown	0.381	0.000	0.000	2	0	0	0	0.190	>0.80 0	0.761
drl	5	1-6	PTH	unknow n	unknown	unknown	0.500	0.000	0.000	149	0	0	0	0.250	0.225	0.950
drl	6	1-6	PTH	unknow n	unknown	unknown	0.600	0.000	0.000	2	0	0	0	0.300	>0.80 0	1.200
drl	7	1-6	PTH	unknow n	unknown	unknown	0.635	0.000	0.000	1	0	0	0	0.318	>0.80 0	1.271
drl	8	1-6	PTH	unknow n	unknown	unknown	0.700	0.000	0.000	30	0	0	0	0.100	0.300	0.900
drl	9	1-6	PTH	unknow n	unknown	unknown	0.762	0.000	0.000	19	0	0	0	0.254	0.300	1.270
drl	11	1-6	PTH	unknow n	unknown	unknown	0.800	0.000	0.000	8	0	0	0	0.300	0.300	1.400
drl	12	1-6	PTH	unknow n	unknown	unknown	0.889	0.000	0.000	8	0	0	0	0.254	0.300	1.397
drl	13	1-6	PTH	unknow n	unknown	unknown	0.900	0.000	0.000	12	0	0	0	0.198	0.337	1.296
drl	14	1-6	PTH	unknow n	unknown	unknown	1.000	0.000	0.000	26	0	0	0	0.262	0.300	1.524
drl	15	1-6	PTH	unknow n	unknown	unknown	1.016	0.000	0.000	10	0	0	0	0.254	0.300	1.524
drl	16	1-6	PTH	unknow n	unknown	unknown	1.100	0.000	0.000	56	0	0	0	0.250	0.250	1.600
drl	17	1-6	PTH	unknow n	unknown	unknown	1.270	0.000	0.000	4	0	0	0	>0.80 0	0.300	1.870
drl	18	1-6	PTH	unknow n	unknown	unknown	1.300	0.000	0.000	4	0	0	0	0.450	0.300	1.900
drl	19	1-6	PTH	unknow n	unknown	unknown	1.524	0.000	0.000	12	0	0	0	0.381	>0.80 0	2.286
drl	20	1-6	PTH	unknow n	unknown	unknown	1.600	0.000	0.000	7	0	0	0	0.450	0.300	2.200
drl	21	1-6	PTH	unknow n	unknown	unknown	1.651	0.000	0.000	2	0	0	0	0.174	>0.80 0	1.999
drl	22	1-6	PTH	unknow n	unknown	unknown	1.753	0.000	0.000	2	0	0	0	>0.80 0	>0.80 0	> 3.353
drl	23	1-6	PTH	unknow n	unknown	unknown	1.778	0.000	0.000	3	0	0	0	>0.80 0	0.300	2.378
drl	24	1-6	PTH	unknow n	unknown	unknown	1.850	0.000	0.000	1	0	0	0	0.325	>0.80 0	2.500
drl	25	1-6	PTH	unknow n	unknown	unknown	2.000	0.000	0.000	3	0	0	0	0.250	0.300	2.500
drl	26	1-6	PTH	unknow n	unknown	unknown	2.300	0.000	0.000	4	0	0	0	0.350	0.300	2.900
drl	27	1-6	PTH	unknow n	unknown	unknown	2.400	0.000	0.000	6	0	0	0	0.300	0.300	3.000
drl	28	1-6	PTH	unknow n	unknown	unknown	2.700	0.000	0.000	2	0	0	0	0.650	0.300	3.300
drl	29	1-6	PTH	unknow n	unknown	unknown	2.800	0.000	0.000	4	0	0	0	>0.80 0	>0.80 0	> 4.400
drl	30	1-6	PTH	unknow n	unknown	unknown	3.000	0.000	0.000	2	0	0	0	0.150	0.300	3.300
drl	31	1-6	PTH	unknow n	unknown	unknown	3.200	0.000	0.000	13	0	0	0	0.400	0.300	3.800

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drl	32	1-6	PTH	unknown	unknown	unknown	10.000	0.000	0.000	4	0	0	0	>0.800	>0.800	>11.600
drl1	33	1-6	NPTH	unknown	unknown	unknown	3.250	0.000	0.000	2	0	0	0	>0.800	>0.800	
drl2	10	1-6	PTH	unknown	unknown	unknown	0.762	unknown	unknown	0	2	0	0	unknown	unknown	>2.362
drl3	3	1-6	PTH	unknown	unknown	unknown	0.300	unknown	unknown	0	4	0	0	unknown	unknown	>1.900

Some holes of the following plated drill tools have no ring at the end of the span: 22

Sequences - Original

Span	Type	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Clr. Hole to Copper	Min. Clr. Hole to Outline	Min. Clr. Slot to Outline
			mm	mm		mm	mm	mm	mm	mm
1-6	PTH	30	0.200	10.000	798	0.100	0.000	0.162	1.366	disabled
All	Plated	30	0.200	10.000	798	0.100	0.000	0.162	1.366	disabled
1-6	NPTH	1	3.250	3.250	2	>0.800	>0.800	0.150	1.869	disabled
All	All	31	0.200	10.000	800	0.100	0.000	0.150	1.366	disabled

Rout Tools - Original

File	Tool Nr.	Type	Tool Dia.	End Dia.	Draw Length	Nibble Count
			mm	mm	mm	
drl2	10	PTH	unknown	0.762	4.572	66
drl3	3	PTH	unknown	0.300	1.035	36

Routed Holes - Original

File	Hole Nr.	Instances	X Size	Y Size	Draw Length	Nibble Count
			mm	mm	mm	
drl2	1	2	3.048	0.762	2.286	33
drl3	1	4	0.300	0.559	0.259	9
All		6			2.545	42

Sequences Analysis - Original

No license to generate this information.

SMD (Including BGA Pads) - Original

Side	SMD Pads (Total)	Min. SMD Pad	Pitch of Min. SMD Pad	Solder Mask Defined Pads	SMD Pads (Excl. BGA)	BGA Pads	BGA Min. Pitch	All Tracks in BGA Centered	BGA Drilled
		mm	mm				mm		
Top	960	0.300	0.500	2	960	0			
Bottom	179	0.230	0.500	0	179	0			
Both	1139	0.230	0.500	2	1139	0			

Scoring - Minimum Clearance - Original

No license to generate this information.

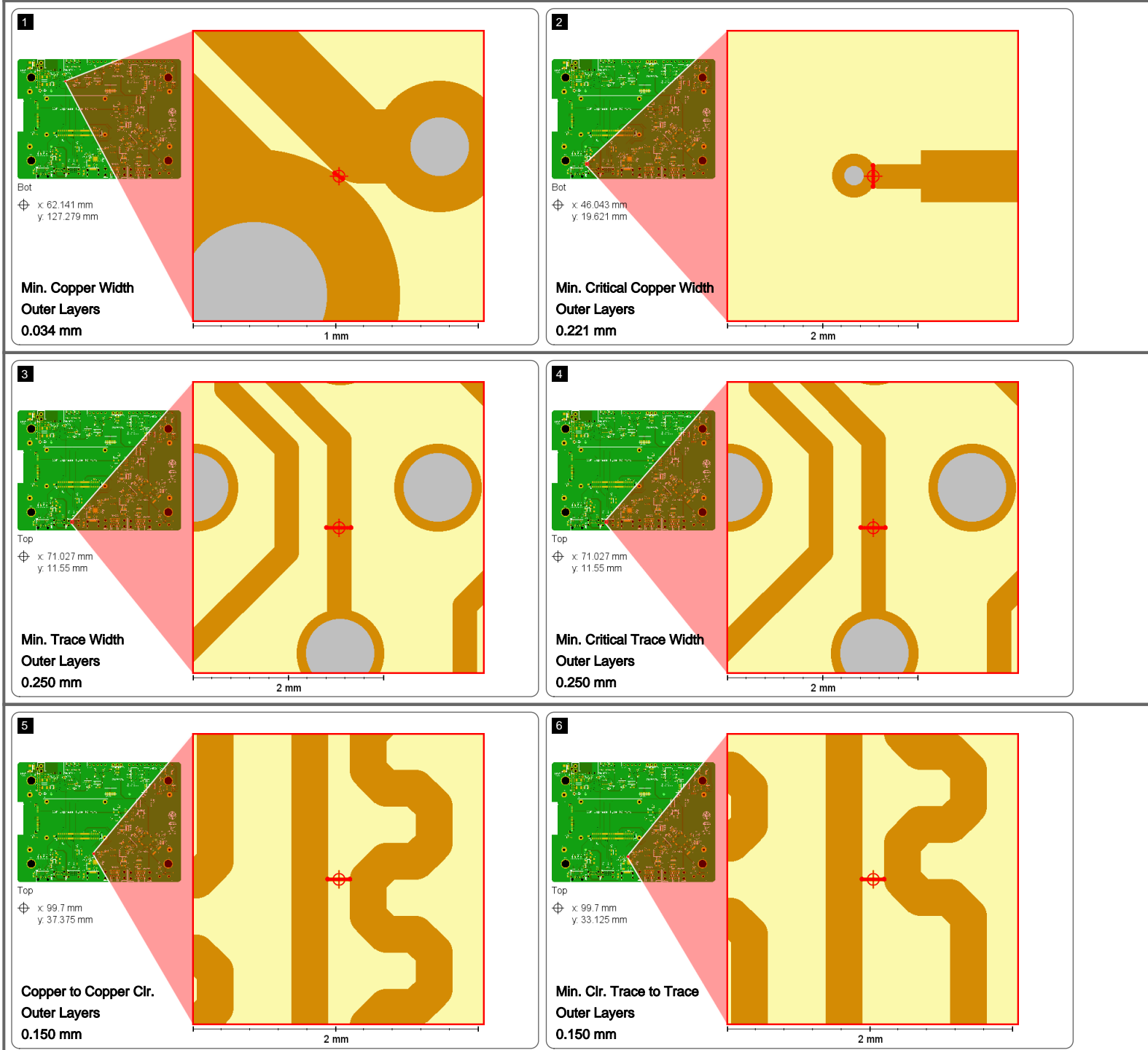
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Solder Mask - Original

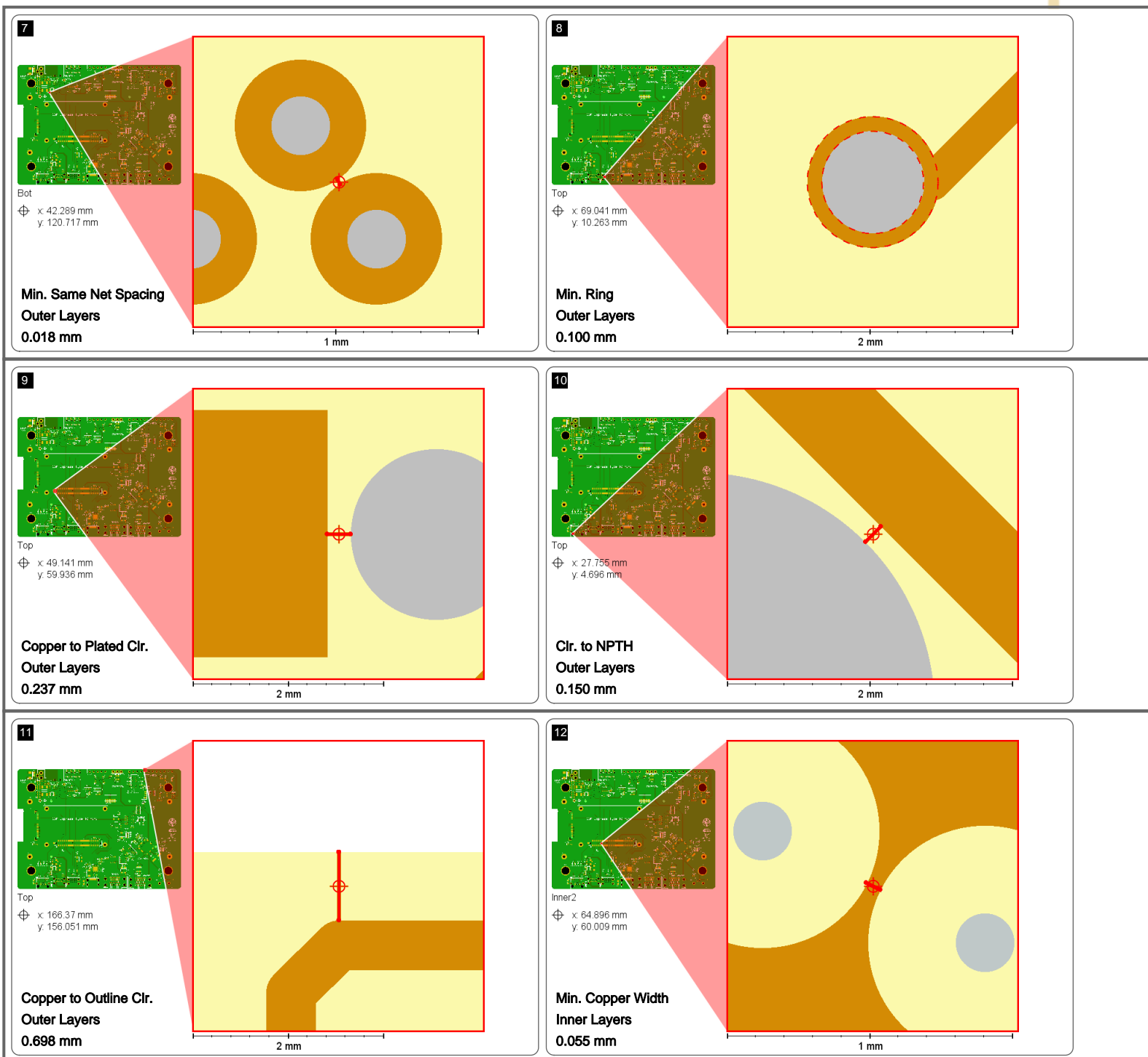
Side	Min. Ring on Cu Defined Pads	Min. Ring on SM Defined Pads	Min. Clr. Mask to Mask	Min. Web	Min. Clr. Mask to Copper	Fully Covered Via Holes	Partly Covered Via Holes	TH Via Holes Half Mask
	mm	mm	mm	mm	mm			
Top	0.025	0.000	0.034	0.034	0.006	Yes	Yes	
Bottom	0.051	>0.250	0.143	0.168	0.006	Yes	Yes	
Both	0.025	0.000	0.034	0.034	0.006	Yes	Yes	Yes

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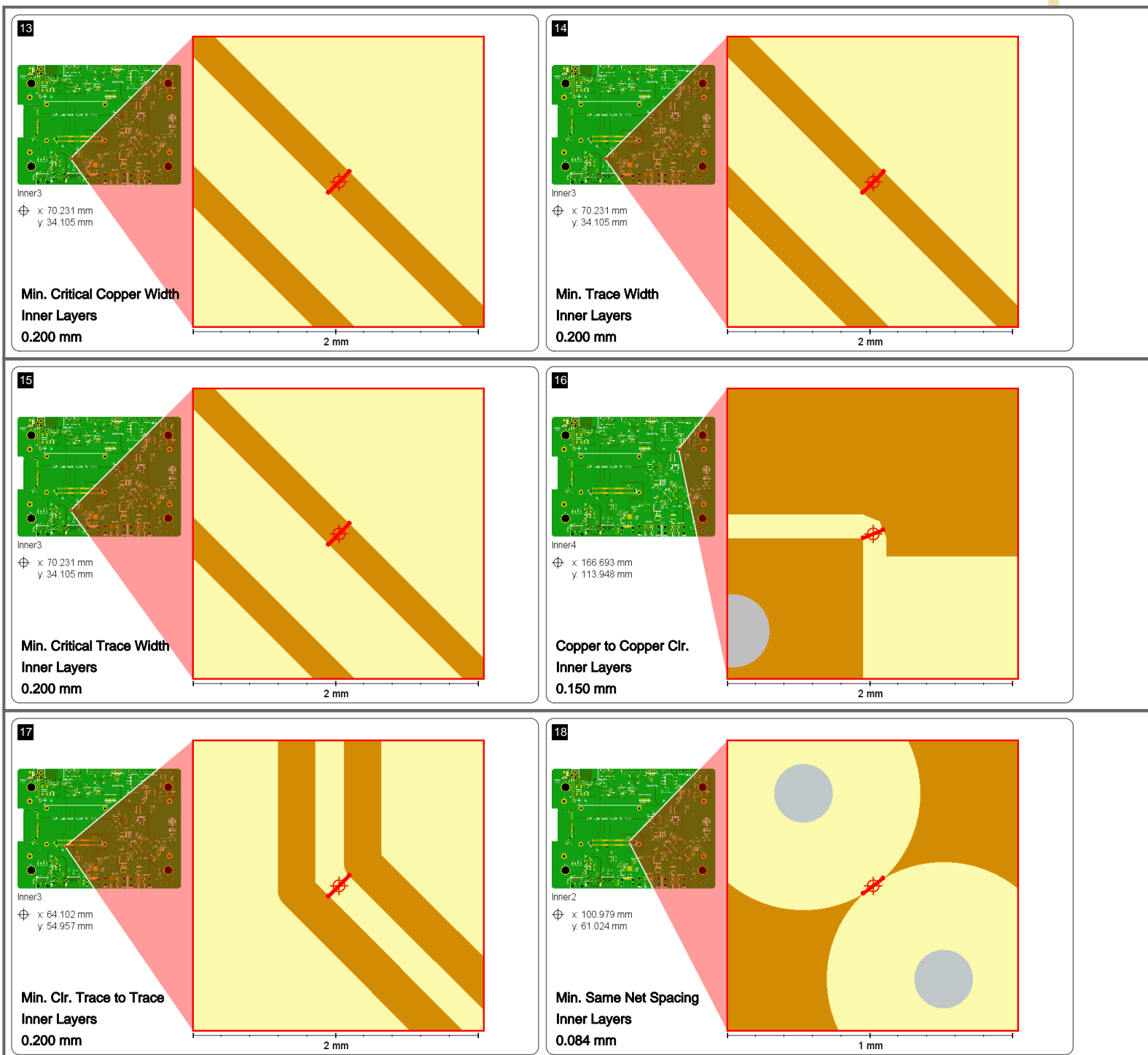
Summary Minimum Design Characteristics - Locations - Original



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