STACKUP CROSSECTION - 607-82597-1000-B04.pdf

NOTES: 1. UNLESS OTHERWISE SPECIFIED ON THE 606 FAB DRAWING: WHERE GOLD EDGE FINGERS EXIST, SPEC THICKNESS APPLIES ONLY TO THE GOLD FINGER REGION, AND DOES NOT INCLUDE SOLDERMASK.

- 2. STRIPLINE LAYERS MAY BE USED FOR PLANE REFERENCES (REF). LAYERS WITHOUT TRACES SHOULD BE CONSIDERED PLANES.
- 3. *DESIGN USES TRACE WIDTHS WITH VARIATION OF +/- 1um COMPARED TO TARGET WIDTH. CONSIDER IMPEDANCE CONTROLLED BASED ON TARGET WIDTH.
- 4. DK VALUES: IMPEDANCE CALCULATIONS ASSUME A DK VALUE BASED ON THE DISTRIBUTION OF MATERIALS AVAILABLE. THE FABRICATOR IS ALLOWED TO ADJUST TRACE WIDTHS +/- 20% FOR NOMINAL LINE WIDTHS OF >0.127mm or +/-0.0254mm FOR TRACE WIDTHS <0.127mm TO COMPENSATE FOR THE Dk VALUE OF THE ACTUAL MATERIAL USED IN THE STACK-UP.
- 5. MATERIAL: HALOGEN FREE.

Spec Thickness: 1.575

Tolerance: +0.15/-0.15

Name	Negative Artwork	Layer Usage
TOP		Signal Layer
L2		Plane Layer
L3		Signal Layer
L4		Signal Layer
L5		Plane Layer
воттом		Signal Layer

	Material	Thickness					
Air							
	0.018						
	Copper .5oz (Plated)	0.043					
	Prepreg 0.0027 1080	0.069					
	Copper 1oz	0.03					
	Core 0.004 1x2116	0.102					
	Copper 1oz	0.03					
	Filler 0.039	0.991					
	Copper 1oz	0.03					
	Core 0.004 1x2116	0.102					
	0.03						
	0.069						
	Copper .5oz (Plated) 0.043						
Soldermask 0.018							
	Air						

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LEGEND:



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STACKUP IMPEDANCES - 607-82597-1000-B04.pdf (Impedance Tolerance = +/- 10% unless otherwise noted)

Single Ended	SEZ	LW	Ref(above)	Ref(below)
TOP	50.0	0.111		L2
L3	50.0	0.12	L2	L5
L4	50.0	0.12	L2	L5
воттом	50.0	0.111	L5	

Differential (Edge)	DEZ	SEZ	LW	LineGap	NeckLW NeckLineGap Ref(above) Ref(below)
TOP	90.0		0.101	0.12	L2
TOP	95.0		0.102	0.176	L2
L3	90.0		0.101	0.152	L2 L5
L3	95.0		0.102	0.21	L2 L5
L4	90.0		0.101	0.152	L2 L5
L4	95.0		0.102	0.21	L2 L5
BOTTOM	90.0		0.101	0.12	L5
BOTTOM	95.0		0.102	0.176	L5

LEGEND:

SEZ = Single Ended Impedance
DEZ = Differential Edge Coupled Impedance (pair on one layer)
DBZ = Differential Broadside Coupled Impedance (pair on two layers)



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