

Trace and Space

<i>Innerlayers</i>	Standard High Yield	Advanced Reduced Yield	Engineering Low Yield	Notes
Trace Width – ¼ oz Base Copper	.003"	.0025"	.002"	
Trace Width – ½ oz Base Copper	.004"	.003"	.0025"	
Trace Width – 1 oz Base Copper	.004"	.0035"	.003"	
Trace Width – 2 oz Base Copper	.005"	.0045"	.004"	
Space – ¼ oz Base Copper	.003"	.0025"	.002"	
Space – ½ oz Base Copper	.004"	.0035"	.003"	
Spacing – 1 oz Base Copper	.0045"	.004"	.0035"	
Spacing – 2 oz Base Copper	.006"	.0055"	.005"	
<i>Plated Layers</i>				
<p>In accordance with IPC-6013 the amount of plating required depends on the Performance Class and the number of layers. There are 3 plating thicknesses that are applicable. The finished Trace Width is not affected by the plating requirement but the Spacing is affected. Use the Spacing values above for the base copper then <u>add</u> the following amounts to account for the plating thickness.</p>				
+ 0.5 mil Plating – Additional Space Needed	+ .5 mils	+ .25 mils	+ .2 mils	
+ 1.0 mil Plating – Additional Space Needed	+ 1.0 mils	+ 0.75 mils	+ 0.5 mils	
+ 1.5 mil Plating – Additional Space Needed	+ 1.5 mils	+ 1.25 mils	+ 1.0 mils	