

PCB Construction

<i>PCB Construction and Drilling</i>	Standard High Yield	Advanced Reduced Yield	Engineering Low Yield	Notes
Single and Double Sided Flex	✓	✓	✓	
Multilayer Flex	✓	✓	✓	
Rigid-Flex – Bonded Layers	✓	✓	✓	
Rigid-Flex – Loose Leaf Layers	✓	✓	✓	
Rigid-Flex – Formed PCB	---	✓	✓	
Rigid-Flex – Bookbinder Layers	---	---	✓	
EMI Shielding – Silver Inks	✓	✓	✓	
Mechanical Route – Etch	---	✓	✓	Heavy Copper – 10+ oz.
Max Layer Count – Flex	8	10	14	
Max Layer Count – Rigid Flex	12	16	20	
Through Hole Aspect Ratio	8:1	10:1	12:1	Drilled size / PCB Thickness
Microvia Aspect Ratio	0.5:1	0.75:1	1:1	
Min Diameter, Mechanical Drill	.008"	.006"	.006"	
Min Diameter, Laser Drilled Through Vias	.004"	.003"	.002"	Double Sided .001" Flex Core
Min Diameter, Laser Drilled Microvias	.006"	.004"	.003"	.002" Dielectric Thickness