



PCB Manufacturing Capability

Capability	Standard	Advanced
Laminate materials	FR4 / FR1 / CEM-3 / CEM-1 / Aluminum / Rigid-Flex PCB/ Arlon / High-TG/ Rogers / Teflon / Taconic	
Surface Finish	HASL (vertical & Horizontal), Lead Free HASL, HASL+Gold Finger, OSP/Entek, ENIG, ENEPIG, Immersion Tin(ISn) ,Immersion Silver(IAg), Carbon Ink, Hard Gold(Flash Gold), Soft Gold	
Min. Thickness for inner layers	0.020"-0.125"	0.003"(0.07mm)
Board layers	1-24 Layers	1-24 Layers
Board Thickness	0.1mm-3mm	0.1mm-7mm
Copper weight	0.5 oz – 6 oz	0.5 oz – 8 oz
Minimum Trace Width / Spacing	0.003"/0.003"	0.003"/0.003"
Solder Mask Color	Green,Blue,Black,Red,Yellow,White, and customized	
Drill deviation	0.004"	±0.002" (0.05mm)
PTH hole tolerance	0.004"	±0.002" (0.005mm)
NPTH hole tolerance	0.008"	±0.002" (0.005mm)
Min hole size	0.004"	0.008" (0.02mm)
E-test	Flying Probe Tester/Test-Jig/X-ray/ICT/AOI/FCT	
Controlled Tolerance	±3%	±3%
Silkscreen Color	White, Black, Yellow, Green, Red, Blue and customized	
Min solder mask clearance size	0.008	0.003" (0.07mm)
Min silkscreen clearance size	0.010"	0.006" (0.15mm)
IPC Class	Class 2	Class 3
Blind Vias	YES	YES
Buried Vias	YES	YES
Aspect Ratio	8/1	15/1
Carbon Ink	YES	YES
Peelable Mask	YES	YES
Solder Sample	YES	YES
First Article	YES	YES
Certificate:	UL / SGS / ROH / ISO / TS16949 / ISO14001:2004	
Acceptable file format	GERBER file, PROTEL 99/PADS / POWER PCB / AutoCAD /EAGLE	