

Certifications		
ISO 9001:2008		Yes
TS 16949		Yes
ISO 14001		Yes
RoHS Compliant		Yes
MIL 55110		Yes
Additional		
Surface Finishes		
HASL		40-1600 Micro Inch
HASL-Lead free		40-1600 Micro Inch
Immersion Tin		20-40 Micro Inches
Immersion Silver		6-12 Micro Inches
ENIG (immersion gold)		1-5 Micro Inches
OSP		<40 Micro Inches
Electrolytic Hard Gold (Au thickness)		1-50 Micro Inches
Electrolytic Soft Gold (Au thickness)		1-5 Micro Inches
Electrolytic Gold For Wire Bond		1-50 Micro Inche
Selective Finishes (More than one finish)		ENIG/OSP/Immersion Silver/HASL+Gold finger
Copper thickness		
0.5-6oz		Yes
Other		Special 28 oz
Layers & Board thickness		
Single sided		0.008-0.315 inch
Double sided		0.008-0.315 inch
Multilayer		0.016-0.236 inch
4 – 6 layer		0.016-0.236 inch
8–12 layer		0.040-0.236 inch
over 12 layer		0.055-0.236 inch
Max.layer count-Rigid		40layer
Max.layer count-Flex		8layer
Max.layer count-Rigid / Flex		10layer
Material Types		
CEM-1 ,FR1,FR2		Yes
CEM-3		Yes
FR-4/H Free		Yes
FR-4 FR-406, FR-408 ,High TG		Yes
Flex		Yes
Rigid / Flex		Yes
Teflon		F4B, Rogers, Taconic, Arlon
Ceramic		Rogers
Polyimide		Yes
Hybrid		(Rogers+FR-4), (PTFE+FR-4)
Aluminum		Bergquist & Elite &PTTC
Minimum Line Width and Spacing		
3mil		Yes
Minimum Drilled Hole Size		
Laser drilling		Yes
CNC Drill		0.008 inch

Minimum Tolerances	
PTH	./-0.002 inch
NPTH	./-0.002 inch
Outline-routed	./-0.004 inch
Outline-scored	./-0.004 inch
Scoring	
20°, 30°, 45°, 60°	Yes
Jump Scoring	Yes
Soldermask	
Colors available	Green, Black, White, Blue, Yellow, Red
Minimum Solder Mask Dams	0.003 inch
Legend Print/Silkscreen	
Colors available	White, Yellow, Black
Additional Process Capabilities	
Peelable Mask	Yes
max.diameter to tent with peelable mask	0.118 inch
max.peelable mask thickness	0.016 inch
Via hole filler soldermask (100% fill)	Yes
Via hole filler soldermask max.hole diameter	0.024 inch
Conductive Hole Filler (Silver/Copper)	Yes
Carbon Ink minimum spacing	0.016 inch
Half-hole plating	Yes
Edge Plating	Yes
min.hole wall plating thickness	0.0008 inch
Countersinks	90°
Bevelling	20°, 30°, 45°, 60°
Controlled depth routing	Yes
Hard Gold Finger (Gold thickness)	10-50 Micro Inches
Blind Via Construction	Yes
Buried Via Construction	Yes
Via in pad	Yes
Controlled Impedance	Yes
Manufacturing Lead Times	
Quick Turn Capability	Yes
Min Lead time	24 Hrs
Min qty per Order	1 unit
Standared Lead time DS	3-4 weeks
Standared Lead time Multi/Flex	4-6 weeks