



Toll Free: 1-800-979-4PCB (4722)

www.4pcb.com

sales@4pcb.com

CAPABILITIES

	If Your Spec is in This Column: You Can Acquire an Instant Quote on our Website	If Your Spec is in This Column: Contact Your Salesperson
Layer Count		
	0-10 Layers	11 - 16 Layers
Material		
	FR4	IS410
	FR406	FR408
	370 HR	Black FR4
		Arlon AR350
		Getek
		CEM-1
		Hybrid (Rogers and FR4)
		Nelco 4013
		Rogers Ultralam 2000
		Rogers RO4350
		Rogers RO4003
		Polyimide
		Teflon
		Duroid
		Aluminum Clad Thermal Substrates/Thermagon
		Kapton
		Kapton "Flex Application"
		Adhesive Based Polyimide "Flex Application"
		Adhesive less Polyimide "Flex Application"
		PEN [Polyethylene Naphthalate] "Flex Application"
		GI/Polyimide "Flex Application"
		GF/FR4 Adhesive "Flex Application"
		Teflon/Duroid "Flex Application"
Stiffeners "Flex App"		
		Thermo Set & PSA Based
		FR4
		Polyimide
		Aluminum
		Stainless Steel
Final Thickness		
	2-Layer Min .020" Max .125"	2-Layer Min .010" Max .150"
	2-Layer Min .010" Bare Copper	4-Layer Min .015" Max .150"
	4-Layer Min .020" Max .125"	6-Layer Min .025" Max .150"
	6-Layer Min .031" Max .125"	8-Layer Min .031" Max .150"
	8-Layer Min .047" Max .125"	10-Layer Min .040" Max .150"
	10-Layer Min .062" Max .125"	12-Layer Min .047" Max .150"
		14-Layer Min .054" Max .150"
		16-Layer Min .062" Max .150"
Max Board Size		
2-Layer	16 x 22	Send Quote Request
4-Layer	16 x 22	19.5 x 24.5
6-Layer	16 x 22	19.5 x 24.5
8-Layer	14 x 20	19.5 x 24.5
10-Layer	14 x 20	19.5 x 24.5
12-Layer		19.5 x 24.5
14-Layer		19.5 x 24.5
16-Layer		16 x 21
Finish Plating		
	HASL\Leaded Solder	Immersion Electroless Soft Gold
	HASL\Lead Free Solder	Wire Bondable Soft Gold
	Bare Copper	Flash Gold
	Nickel	OSP
	Electroless Nickel Immersion Gold	White Tin
	Electrolytic\Hard Gold	Selective Gold
	Immersion Silver	Mixed Finishes Upon Review
		Carbon Ink

CAPABILITIES

	If Your Spec is in This Column: You Can Acquire an Instant Quote on our Website	If Your Spec is in This Column: Contact Your Salesperson
Finished Cu Weight / Trace / Space		
Outer Layers	1 oz. Cu. - (Min. .005" Trace /Space) 2 oz. Cu. - (Min. .006" Trace /Space) 3 oz. Cu. - (Min. .010" Trace /Space) 4 oz. Cu. - (Min. .012" Trace /Space)	1 oz. Cu. - (Min. .004" Trace /Space) 2 oz. Cu. - (Min. .005" Trace /Space) 3 oz. Cu. - (Min. .008" Trace /Space) 4 oz. Cu. - (Min. .010" Trace /Space) 5 oz. Cu. - (Min. .012" Trace /Space)
Inner Layers		
	.5 oz. Cu. - (Min. .005" Trace /Space) 1 oz. Cu. - (Min. .005" Trace /Space) 2 oz. Cu. - (Min. .006" Trace /Space)	2 oz. Cu. - (Min. .006" Trace /Space) 3 oz. Cu. - (Min. .010" Trace /Space) 4 oz. Cu. - (Min. .012" Trace /Space)
Inner Layer Clearances		
	.010"	.008"
Smallest Finished Hole Size		
	Final Thickness <=.062" .008" Hole Final Thickness .093" .012" Hole Final Thickness .125" .015" Hole	Final Thickness <=.062" .006" Hole Final Thickness <=.125" .008" Hole Final Thickness <=.150" .014" Hole
Gold Fingers		
	1 Edge 2 Edges	
Soldermask Type		
	LPI	SR1000 Peelable Soldermask
LPI Soldermask Colors		
	Green/Green Matte Blue Black/Black Matte Red Clear White	Top & Bottom Mix Side to side Mix Gray
Silkscreen Legend Options		
	White Yellow Black	Red Blue Top & Bottom Mix
CNC Functions		
	Skip Scoring > .25" Spacing 30 Degree, Standard Score Angle (60 degree option-please call) 60, 82, 90, 100 Degree Countersink 15, 20, 30, 45 Degree Gold Finger Bevel	Scoring Panel Edge to Panel Edge 30 & 45 Degree Countersinks Plated Countersinks Counterbores Milling Laser Drilling Blind or Buried Vias Controlled Z Axis Rout Castellated Barrels Min .050" Offset or Recessed Beveling
Other Services		
	Plated Slots Min .026" Controlled Dielectric Plated Edges Tented Vias (prior inquiry) Gold Fingers up to 18" Long ITAR	Plated Slots Min .018" Drilled or Routed Tented Vias Plugged Vias Conductive Filled Vias Controlled Impedance 2-16 Layers .003" Cores Via caps (Soldermask)
Quality and Testing		
	Inspect to IPC Class 2	Inspect to IPC Class III Mil Spec 55110

Subject to change without prior notice.