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CAPABILITIES

	If Your Spec is in This Column: Your 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 FR406 370 HR Rogers 4003 Rogers 4350 Polyimide Aluminum Clad Thermal Substrate/Bergquist	IS410 FR408 Black FR4 Arlon Getek CEM-1 Hybrid (Rogers and FR4) Nelco 4013 Teflon Duroid Aluminum Clad Thermal Substrates/Thermagon Kapton "Flex Application" Adhesive Based Polyimide "Flex Application" Adhesiveless Polyimide "Flex Application" PEN [Polyethylene Napthalate] "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" 4-Layer Min .020" Max .125" 6-Layer Min .031" Max .125" 8-Layer Min .047" Max .125" 10-Layer Min .062" Max .125"	2-Layer Min .010" Max .150" 4-Layer Min .015" Max .150" 6-Layer Min .025" Max .150" 8-Layer Min .031" Max .150" 10-Layer Min .040" Max .150" 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 4-Layer 16 x 22 6-Layer 16 x 22 8-Layer 14 x 20 10-Layer 14 x 20 12-Layer 14-Layer 16-Layer	Send Quote Request 19.5 x 24.5 19.5 x 24.5 19.5 x 24.5 19.5 x 24.5 19.5 x 24.5 19.5 x 24.5 16 x 21
Finish Plating	HASL/Leaded Solder HASL/Lead Free Solder Bare Copper Nickel Electroless Nickel Immersion Gold Electrolytic/Hard Gold Immersion Silver	Immersion Electroless Soft Gold Wire Bondable Soft Gold Flash Gold OSP White Tin Selective Gold Mixed Finishes Upon Review Carbon Ink

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Finished Cu Weight / Trace / Space		
Outer Layers	1 oz. Cu. - (Min. .004" 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. .003" 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. .004" Trace /Space) 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)
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	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, Std Score Angle (60 degree option -please call). 60, 82, 90, 100 Degree Countersink 15, 20, 30, 45 Degree Gold Finger Bevel Countersinks (Plated/Non-Plated)	Scoring Panel Edge to Panel Edge 30 & 45 Degree Countersinks Counterbores (Plated/Non-Plated) Milling/Offset or Recessed Beveling Micro Vias/Laser Drilling (Min. Aspect Ratio 8:1) Blind or Buried Vias Controlled Z Axis Rout Castellated Barrels Min .040"
Other Services		
	Plated Slots Min .026" Controlled Dielectric Plated Edges Tented Vias (prior approval required) Gold Fingers up to 18" Long ITAR	Single Sided Score Selected Plated Edges Plated Slots Min .012" Drilled or Routed Plugged Vias Conductive Filled Vias Controlled Impedance 2-16 Layers .003" Cores Mixed Copper Weights Via caps (Soldermask)
Quality and Testing		
	Inspect to IPC Class 2	Mil Spec 55110 Inspect to IPC Class 3

Subject to change without prior notice.