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#1 in Quickturn PROTO &amp; PRODUCTION PCBs

## 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
<b>Layer Count</b>	0-10 Layers	11 - 16 Layers
<b>Material</b>	FR4 FR406 370 HR Rogers 4003 Rogers 4350 Polyimide Aluminum Clad Thermal Substrate	IS410 FR408 Black FR4 Arlon AR350 Getek CEM-1 Hybrid (Rogers and FR4) Rogers Ultralam 2000 Teflon Duroid Aluminum Clad Thermal Substrates/Thermagon Kapton "Flex Application" Adhesive Based Polyimide "Flex Application" Adhesive less Polyimide "Flex Application" PEN [Polyethylene Napthalate] "Flex Application" GI/Polyimide "Flex Application" GF/FR4 Adhesive "Flex Application" Teflon/Duroid "Flex Application"
<b>Stiffeners "Flex App"</b>		Thermo Set & PSA Based FR4 Polyimide Aluminum Stainless Steel
<b>Final Thickness</b>	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" Bare Copper 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"
<b>Max Board Size</b>	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	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
<b>Finish Plating</b>	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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<b>Finished Cu Weight / Trace / Space</b>		
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)	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	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, Std Score Angle (60 degree option -please call). 60, 82, 90, 100 Degree Countersink 15, 20, 30, 45 Degree Gold Finger Bevel Plated Countersinks	Scoring Panel Edge to Panel Edge 30 & 45 Degree Countersinks Counterbores Milling/Offset or Recessed Beveling Laser Drilling 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 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 3	Mil Spec 55110

Subject to change without prior notice.