

Capabilities Summary



Instant Online Custom Quote

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Drill Capabilities		
Smallest Drill Size	0.008"	0.006"
Positional Tolerance	+/- 0.005"	+/- 0.002"
Control Depth Tolerance	N/A	+/- 0.0005"
Microvia	No	Yes
Blind / Buried Vias	No	Yes
Min Pad Size (via)	via + 0.010"	via + 0.006"
Min pad size (component)	hole + 0.016"	hole + 0.010"

Route Capabilities		
Board Size Tolerance (Route)	+/- 0.010"	+/- 0.003"
Board Size Tolerance (Laser)	N/A	+/- 0.001"
V-Score Web Thickness	+/- 0.002"	+/- 0.002"
V-score Line Width	+/- 0.002"	+/- 0.002"

Etch Tolerances		
Trace Width (of design)	+/- 20%	+/- 0.0005"
Minimum Trace Width	0.005"	0.002"

Surface Finish		
Tin / Lead Solder	Yes	Yes
Immersion Silver	Yes*	Yes*
ENIG	Yes*	Yes*
Copper only	Yes*	Yes*
OSP	No	Yes*
ENIPIG	No	Yes*
Full Body Hard Gold	No	Yes*
Soft Bondable Gold	No	Yes*
Lead Free Solder	No	Yes*

* Denotes RoHS compliant Finish

Board Parameters		
Layer Count	1-20	0-36
Board Thickness	0.010" - 0.125"	0.003" - 0.187"
Copper Weight (finished)	1 oz - 3 oz	0.25 oz - 6 oz

Materials		
FR-4 150 Tg (RoHS compliant)	Yes	Yes
FR-4 170 Tg (RoHS compliant)	Yes	Yes
Rogers RO3000® Series	No	Yes
Rogers RO4000® Series	No	Yes
Rogers RT/duroid® Series (5000 and 6000 series)	No	Yes
Arlon	No	Yes
Polyflon	No	Yes
Taconic	No	Yes

Other Sunstone Capabilities

- Controlled Impedance
- Full-Service CAM Tooling
- Design Review for Manufacturability
- Film to Electronic Data Conversion
- Film Only Orders
- Cross Section Lab
- Analytical Lab
- Electrical Test
- Soldermask by Tayio
- Silkscreen by Tayio
- DFMplus

Certifications

- UL Listed
- ITAR Registered