深圳市锦辉宏业电子有限公司
SHENZHEN JHHY CIRCUIT CO., LTD

CAPABILITIES

Items	Manufacturing Capabilities	Remarks
Number of Layers	1-12 layers	For orders above 12 layers, please contact our sales rep.
Material	FR-4, Aluminum	For Flex, Rigid-flex, Metal-based (Aluminum etc.,), HDI, Halogen-free, High Tg, etc., please contact sales rep.
Maximum PCB Size(Dimension)	40cm * 50cm	Any sizes beyond this dimension, please contact us.
Board Size Tolerance(Outline)	±0.1mm	±0.1mm for CNC routing
Board Thickness	Double Layer: 0.3-7.0mm Multiple Layer：0.3-8.0mm	/
Board Thickness Tolerance)（T≥1.0mm）	± 10%	Normally "+ Tolerance" will occur due to PCB processing steps such as electroless copper, solder mask and other types of finish on the surface.
Board Thickness Tolerance（T＜1.0mm）	±0.1mm	For example: T=0.8mm，Actual thickness is 0.7mm（T-0.1）~0.9mm（T+0.1）。
Min Trace & Min Spacing	Outer: 2mil (0.05mm) Inner: 2.5 mil (0.0635mm)	Min manufacturable trace is 2mil(0.05mm), strongly suggest to design trace above 3mil(0.075mm) to save cost.
Outer Layer Copper Thickness	1oz/2oz(35μm/70μm)	Also known as copper weight. 35μm=1oz, 70μm=2oz Please contact us if you need copper weight greater than 2oz.
Inner Layer Copper Thickness	1oz/1.5oz(35μm/50μm)	nner copper weight as per customer’s request for 4 and 6 layers. Please contact us if you need copper weight greater than 1.5oz.
Drill Sizes	0.2mm (CNC) 3mil/0.075mm(Laser)	Min drill size is 0.2mm, max drill is 6.3mm. Any holes greater than 6.3mm or smaller than 0.3mm will be subject to extra charges.
Min Width of Annular Ring	0.1mm(4mil)	For pads with vias in the middle, Min width for Annular Ring is 0.15mm(6mil).
Max Aspect Ratio	13 ：1	/
Solder Mask	LPI	Liquid Photo-Imageable is the mostly adopted. Thermosetting Ink is used in the inexpensive paper-based boards.
Minimum Character Width(Legend)	0.15mm(6mil)	Characters of less than 0.15mm wide will be too narrow to be identifiable.

Minimum Diameter of Plated Half Holes	0.6mm	Design Half-Holes greater than 0.6mm to ensure better connection between boards.
Surface Finishing	HASL with lead HASL lead free Immersion gold	The most popular three types of PCB surface finish. Please contact us for other finishes.
Solder Mask	Green ,Red, Yellow, Blue, White ,Black	No extra charge (Green, Red, Yellow, Blue)
Silkscreen	White, Black, None	No extra charge.
Panelization	V-scoring, Tab-routing, Tab-routing with Perforation (Stamp Holes)	Leave min clearance of 1.6mm between boards for break-routing. For V-score panelization, set the space between boards to be zero.