



No.	Item	Manufacturing Capabilities	Remarks
1	Number of Layers	0-12	"0" stands for the board that has no copper.
2	Max. Produced Panel Size	500*1200mm	For multi-layer boards, it is 500*600mm.
3	Base Material	FR4, CEM-1, CEM-3, Ceramic, Metal-based(aluminum OR copper)	The brands of material are King Board, Shengyi, Rogers and Nanya etc; The value of TG and CTI from normal TG $\geq 130^{\circ}\text{C}$, CTI $\geq 175\text{V}$ to higher TG $\geq 170^{\circ}\text{C}$, CTI $\geq 600\text{V}$. The thermal Conductivity for aluminum board 1-8 W/m*K.
4	Board Thickness	0.4-3.2mm	For multi-layer boards, the thinnest thickness will be different.
5	Tolerance of Board Thickness	+/-10% or +/-0.1mm	+/-10% for the board thickness that is not less than 1.0mm; and for rest of it, +/-0.1mm.
6	Copper Thickness	1/3oz-4oz	For outer layers, the minimum copper thickness is 1oz.
7	Aspect Ratio	8:1	For the board that is beyond the aspect ratio, please let us know in advance.
8	Finished Hole Size	0.2-6.5mm	This is for mechanical drilling.
9	Tolerance of Hole Size	+/-0.075mm for PTH; +/-0.05mm for NPTH	For press-fit hole, the tolerance is +/-0.05mm.
10	Tolerance of Hole Position	+/-0.075mm	For the board that is beyond the tolerance, please let us know in advance.
11	Min. Conductor Track Width / Space	0.1 / 0.1mm	It is based on that the base copper is H / Hoz.
12	Impedance Control	+/-10% or +/-10 Ohm	+/-10% for the value that is not less than 100 Ohm; and for rest of it, +/-10 Ohm.
13	Solder Mask	Liquid Photo-Imageable	Green, Blue, Black, White, Yellow and Red are the commonly used colors for the solder mask, and all of them can be Glossy or Matt.
14	Silkscreen	Non-conductive Ink	The common colors are White, Black, Yellow and Green.
15	Surface	OSP, HASL Lead-free, HASL with Lead, Immersion Gold, Immersion Tin, Immersion Silver	Please let us know in advance if your requirements are not included in our capabilities.
16	Tolerance of outline	milling, +/-0.1mm; V-groove, +/-0.2mm	Usually there is burr on the edge of V-groove after breaking out of the panel, that is why the tolerance of V-groove is much bigger.

17	Special requirements	Peelable, Kapton Tape, Carbon Ink, Gold Finger, Countersink	Please let us know if the board has these special requirements.
18	Stencil	Stainless stencil with laser cutting	<p>The common thickness(mm) are 0.08, 0.10, 0.12, 0.13, 0.15, 0.18, 0.20, 0.25, 0.30, 0.40, 0.50;</p> <p>-----</p> <p>And the recommended frame size(mm) are 300*400, 370*470, 400*600, 400*800, 400*1000, 400*1200, 400*1400, 420*520, 450*550, 500*700, 500*800, 500*1200, 500*1400, 500*1500, 584*584, 550*650, 736*736</p>