

Category	Capability	Details
PCB Material Brand	Goldenmax GL11, Guangzhou Aluminum	(Goldenmax GL11, Guangzhou Aluminum)
SolderMask	LB Brand	LB-1900W
Copper Thickness	18um/25um/35um/70um (0.5oz/0.75oz/1oz/2oz)	Refers to the thickness of finished PCB outer copper, 0.5oz=18um, 1oz=35um
PCB Thickness	0.8-2.0mm	0.8/1.0/1.2/1.6/2.0 mm
Thickness Tolerance(thickness≥1.0mm)	± 10%	Thickness measurement position is the thickest position of the whole PCB (including copper + Soldermask + Silkscreen)
PCB Thickness Tolerance (Thickness <1.0mm)	±0.1mm	Thickness measurement position is the thickest position of the whole PCB (including copper + Soldermask + Silkscreen)
Minimum Trace Width	± 10%	At present,we can process min 8mil trace width,and ≥10mil is advised
Minimum Trace Distance	8mil (0.2mm)	At present,we can process min 8mil trace distance,and ≥10mil is advised
Drilling Aperture	Hole size≥ PCB thickness ≥1.0mm	The minimum hole shall not be less than the thickness of the PCB, and it shall not be less than 1.0mm
Drilling Hole Tolerance	±0.1mm	Hole tolerance is ±0.1mm, for example, designed for 1.5mm hole, the drilling hole of the final PCB in 1.4-1.6mm is normal.
Soldermask Type	Photosensitive ink	Photosensitive ink is now the most used type, thermosetting oil is generally used in low-grade light panels
Soldermask Bridge	0.15mm	If the soldmask color is green or blue, the pad spacing must be bigger than or equal to 8mil; White and black ink pad spacing ≥10mil
Minimum Silkscreen Width	≥0.15mm	Minimum width of characters is 0.15mm, if less than 0.15mm, the physical board may cause unclear characters due to design reasons.
Minimum Silkscreen Height	≥1.0mm	Minimum height of characters is 0.8mm. If the height is less than 0.8mm, the characters may be unclear due to design reasons
Max Size	Standard: 480x580mm Max: 580x1180mm	The limit size is the maximum size that can be machined, but the cost will increase due to plate waste and high processing costs
Dimension Accuracy	±0.15mm	CNC contour tolerance is ±0.15mm, V-Cut contour tolerance is ±0.15mm, mold shaping contour tolerance is ±0.1mm
Panel: no gap between the panel	0mm	The gap between the PCBs is 0mm
Panel: there are gaps between the panel	2.0mm	If you want space between each PCB while panelling, the distance should be bigger than 2.0mm.