

Category	Capability	Details
Layers	1-14 layers	1-14 layers PCB prototypes & batch orders
PCB Material	CEM-1/ FR-4/ Aluminum	White Ink: Taiyo 2000 Serie
		Green Ink: Taiyo 07 Serie
PCB Material	CEM-1/ FR-4/ Aluminum	CEM-1 (Kingboard KB5150)
		FR-4(Shengyi S1141, Shengyi S1000H, Shengyi S1000-2M, Kingboard KB6160)
		Aluminum (Goldenmax GL11, Guangzhou Aluminum)
TG Value	Shengyi TG 170	Shengyi TG 170
	Kingboard TG 170	Kingboard TG 170
Heat Conductivity for Alu. boards	1.0	/
CTI	Class 3 (CTI≥175V)	/
Dimension	Min 80*80mm	
	Max 506*580mm	
Dimension Tolerance (Outline)	±0.15mm	±0.15mm for CNC routing
		±0.15mm for V-scoring
Thickness	0.4--3.2mm	
Thickness Tolerance (≥1.0mm)	± 10%	Normally take positive tolerance due to PCB processing steps such as electroless copper, solder mask and other types of finish on the surface.
Thickness Tolerance (<1.0mm)	±0.1mm	Normally take positive tolerance due to PCB processing steps such as electroless copper, solder mask and other types of finish on the surface.
Min Trace	4mil (0.1mm)	Minimum trace width is 4mil, strongly suggest to design trace above 6mil (0.15mm) to save cost.
Min Spacing	4mil (0.1mm)	Minimum trace spacing is 4mil, strongly suggest to design trace above 6mil (0.15mm) to save cost.
Copper Thickness (Inner Copper)	18~70um(i.e.0.5Oz~2Oz)	1 oz = 35um
Copper Thickness (Outer Copper)	35~70um(i.e.1Oz~2Oz)	1 oz = 35um
Bow and Twist	Per cater-corner length, ≤0.75%	For boards without SMT, the max 1.5%
PTH Deviation	±3mil	/
NPTH Deviation	±2mil	/
Distance between Trace and Outline	≥0.3mm (12mil)	Ship as individual boards: Distance between Trace and Outline ≥0.3mm
		Ship as Panelized boards with V-cut: Distance between Trace and V-cut line ≥0.4mm