

Category	Capability	Mass batch	Small Batch	Sample Order
Base Material	Normal Tg Value FR-4	Shengyi S1141		
	High Tg Value, Halogen Free	Shengyi S1165 (Orange-red core board)		
	High CTI	Shengyi S1600 (CTI≥600V)		
	High Tg Value FR-4	S1000-2, S1000-2M, IT180A		
	Ceramic Powder Filled High Frequency Board	Rogers4003, Rogers4350, Arlon25N		
	PTFE High Frequency Material:	Rogers, Taconic, Arlon, WANGLING		
	PTFE Prepreg	Taconic, TPG, Fastrise		
	High Speed (1-5 G)	Tu-862, S7038, S1165, Isola-FR408HR, Isola-FR406, EMC-EM370, IT170GRA		
	High Speed (5-10 G)	Tu-872, s7439, N4000-13SI, M4, Tu-863		
	High Speed (10-25 G)	M6, Tu-883		
	High Speed (>25 G)	M7, Tu-993		
Layers	1-30	1-30	1-30	1-30
Laser order	1-4	1-3	1-3	1-4
Delivery Size (mm)	Max Size (mm)	460*560	460*560	550*900
	Min Size (mm)	10*10	10*10	10*10
Width / Gap	Inner (mil)	0.50Z base copper:3/3	1.00Z base copper:4/4	2.00Z base copper:5/6
		3.00Z base copper:7/9	4.00Z base copper: 8/12	5.00Z base copper: 10/15
		6.00Z base copper: 12/18	10 OZ base copper: 18/24	12 OZ base copper: 20/28
	Outer (mil)	1/30Z base copper:3/3	0.50Z base copper:4/4	1.00Z base copper:5/5
		2.00Z base copper:6/8	3.00Z base copper: 7/10	4.00Z base copper: 8/13
		5.00Z base copper: 10/16	6.00Z base copper: 12/18	10 OZ base copper: 18/24
		12 OZ base copper: 20/28	15 OZ base copper: 24/32	
	Line Width Tolerance	> 10.0 mil	±20%	±1.5mil
≤10.0 mil		±20%	±1.0mil	±1.0mil
Copper Thickness	Inner layer (OZ)	6	6	6
	Out layer (OZ)	8	8	8
	Inner double layer	18/35um、35/70um	18/35um、35/70um	18/35um、35/70um、70/105um
Board thickness for resin plug hole	0.3-4.0mm	0.3-4.0mm	0.3-4.0mm	0.3-4.0mm

Board thickness (mm)	0.1-8	0.3-5.0	0.3-5.0	0.1-8.0
Board Thickness tolerance	>1.0 mm	±10%	±8%	±8%
	≤1.0 mm	±0.1mm	±0.1mm	±0.1mm
Board thickness/drill bit		10:01:00	12:01:00	13:01:00
Contour	Bevel edge	20-60 degree, ±5degree	20-60 degree, ±5degree	20-60 degree, ±5degree
Bow and twist		≤0.75%	≤0.75%	≤0.5%

