



Products range:

Standard FR4 PCB

Flexible circuits board

Rigid-flex material construction

Thermal management metal core PCB

High frequency PCB-Rogers&Telfon

Hybrid material PCB

Rigid PCB	Outer layer	Finished copper	Min trace width	Min trace gap
		18um	3mil	3mil
		35um	3.5mil	3.5mil
		70um	6mil	6mil
		105um	7mil	7mil
		140um	8mil	8mil
		175um	10mil	10mil
		210um	12mil	12mil
	245um	16mil	16mil	
	Inner layer	Finished copper	Min trace width	Min trace gap
		12um	3mil	3mil
		35um	3.5mil	3.5mil
		70um	6mil	6mil
		105um	7mil	7mil
175um		10mil	10mil	
Flexible PCB	Outer layer	Finished copper	Min trace width	Min trace gap
		12um	2mil	2mil
		18um	2.5mil	2.5mil
		35um	3mil	3mil
		70um	5mil	5mil
		105um	10mil	10mil
	Inner layer	Finished copper	Min trace width	Min trace gap
		12um	2mil	2mil
		18um	2.5mil	2.5mil
		70um	5mil	5mil

Rigid PCB	Types of mask or coating	Liquid photoimageable ink
	Mask color	Green Blue Red Matte Green Matte Blue Black White Yellow
	Min spacing to solder entity	2mil
	Max plugged via	0.6mm
	Min legend width	7mil
	Min mask thickness	10um
	Min mask hardness	10H
	Min thickness on tented via	10um
	Min mask dam or web	4mil
	Mask registration	4mil
Flexiable PCB	Types of mask or coating	Liquid photoimageable ink Solid coverlayer film Silver shielding material
	Mask or coating color	Green(Liquid ink) Yellow(Solid film) Silvery white(Silver shielding)
	Mask registration	4mil(Liquid) 8mil(Solid film) 8mil(Silver shielding)

Rigid PCB	Min mechanical drill	0.15mm
	Max mechanical drill	6.35mm
	Min laser drill	0.1mm
	Max laser drill	0.4mm
	Max depth of laser drill	100um
	Hole position variation	3mil
	PTH via variation	3mil
	NPTH hole variation	2mil
	Min spacing to Copper	5mil
	Max via in pad	0.4mm
	Max aspect ratio	16:1
Flexible PCB	Min mechanical drill	0.2mm
	Max mechanical drill	6.35mm
	Min laser drill	0.15mm
	Max laser drill	0.4mm
	Max depth of laser drill	100um
	Hole position variation	3mil
	PTH via variation	3mil
	NPTH hole variation	2mil
	Min spacing to Copper	5mil
	Max aspect ratio	8:1

Your drill files should meet the following requirements

- 1, Must be Excell format
- 2, ASCII text viewable. No strange graphical characters
- 3, Drill file should not contain "G01", "G54", or any reference to "D" codes
- 4, Tool report with sizes is needed if the drill file header doesn't include the sizes
- 5, Fab drawing, NC Drill file or gerber file must define slot or cutout size & location

PCB Type		Rigid PCB	Flexible PCB
Surface finish	Lead Solder	Yes	
	Lead free Solder	Yes	
	Immersion Gold	Yes	Yes
	Immersion Silver	Yes	Yes
	Immersion Tin	Yes	Yes
	OSP	Yes	
	Hard Gold	Yes	Yes
	Solf Gold	Yes	Yes
	Lead Solder+Gold finger	Yes	
	Lead free Solder+Gold finger	Yes	
	ENIG+Gold finger	Yes	
	Immersion Silver+Gold finger	Yes	
	Immersion Tin+Gold finger	Yes	
	Selective surface treatment	Yes	

Rigid PCB	Min board size	5x5mm
	Max board size	34X24inch
	Min thickness for HASL	0.4mm
	Min finished thickness	0.2mm
	Max board thickness	7mm
	Min bow and twist	0.50%
Flexible PCB	Min board size	10x10mm
	Max board size	230x600mm
	Min finished thickness	0.1mm
	Max board thickness	0.3mm

Rigid PCB	Min thickness for V-scoring	0.8mm
	Max vertical v-soring length	18inch
	V-scroing angel	20°, 30°, 45°,60°
	V-scroing registration	4 mil
	Web thickness tolerance	4mil
	Finger beveling tolerance	±5°
	Safe spacing from routing bit to copper	8mil
	Solt tolerance	0.1mm
	Min spacing for jump scoring	10mm
	Board routing tolerance	0.1mm
	Min routing bit	0.6mm
	Max routing bit	1.8mm
Flexible PCB	Board cutting manually	+/-12mil
	Standard Mould	+/-4mil
	Knife mould	+/-7mil
	Precision Mould	+/-2mil
	Laser cutting	+/-1mil