

Product Name: Rigid PCB

Product Model: 无

Rigid PCBs

The science of reliability, on time delivery and competitive pricing.

SCSPCB is committed to offering the highest quality printed circuit boards' at the most competitive pricing. We aim to provide customer excellence on all orders whether you need a simple sample or a time-critical and technologically complex multi-layer printed circuit board product. Our highly specialized team can meet all your PCB needs.

1. General Capabilities

Single Sided

Double Sided

Multi Layer

Burried /Blind Via

HDI PCB

Impedance Control PCB

High TG PCB

Heavy Copper PCB

High Frequency PCB

2. Surface Finishing

OSP

Hot Air Levelling

Lead Free or Sn/Pb

Chemical Gold (ENIG - ENIG - ASIG)

Electrolitical Gold

Chemical Silver

Chemical Tin

Carbon Ink

Peelable Mask

Gold Fingers (30 μ ")

3. Materials used

FR4 Tg 130-150-170-180-200

KB

Isola

NanYa

ShenYi

ITEQ

Rogers

Teflon

Halogen Free
High CTI Material (max 600V)

4. Technical Capabilities.

ITEM		Technical Specifications			
		Standard	Advanced	Standard	Advanced
MAX PANEL SIZE	Maximum	600*1120	650*1500 mm	24*44 Inch	26*59 Inch
BOARD THICKNESS	Maximum	6 mm	10 mm	0.25 Inch	0.39 Inch
	Minimum	0.3 mm	0.2 mm	0.012 Inch	0.008 Inch
LAYER COUNT	Maximum layer count rigid boards	30	42	30	42
COPPER THICKNESS	Maximum thickness	6 oz	12 oz	210 micron	420 micron
G/F AU THICKNESS	max thickness	0.76um	1.25um	30u"	50u"
LAYER TO LAYER REGISTRATION	minimum missregistration	0.1 mm	0.075 mm	4 mil	3 mil
PTH HOLE COPPER THICKNESS	Minimum hole copper thickness	20um	25um	20um	25um
MECHANICAL DRILLING	Max. Aspect ratio	1:12	1:20	1:12	1:20
	Minimum via hole size	0.15 mm	0.1 mm	6 mil	4 mil
	Finished hole size tolerance (PTH)	± 0.076 mm	± 0.05 mm	± 3 mil	± 2 mil
	Finished hole size tolerance (NPTH)	± 0.05 mm	± 0.05 mm	± 2 mil	± 2 mil
OUTLINE TOLERANCE	Hole Position Deviation	± 0.075 mm	± 0.05 mm	± 3 mil	± 2 mil
	Minimum	± 0.13 mm	± 0.10 mm	± 5 mil	± 4 mil
THICKNESS TOLERANCE		± 10%	± 5%	± 10%	± 10%
WARP AND TWIST		≤0.75%	≤0.5%	≤0.75%	≤0.5%
IMPEDANCE CONTROL	Accuracy	± 10%	± 5%	± 10%	± 5%
LINES WIDTH / SPACES	Copper thick (oz)	Minimum line/space (mil)		According to Gerber	
	0.5	3/3			
	1	4/4			
	2	5/5			
	3	7/7			
5	9/9				