



Accuracy Electronics Technologies Company Limited

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PCB Technical Capability

Item	Technical Capability	
	Sample or Prototype	Mass production
Product types	Rigid PCB Heavy Copper PCB Aluminum-based PCB Copper-based PCB	Rigid PCB Heavy Copper PCB Aluminum-based PCB Copper-based PCB
Board finishing types	Immersion Gold/Tin/Silver HAL, HAL (Pb-free) OSP, Gold Finger Gold Flash, Carbon Ink	Immersion Gold/Tin/Silver HAL, HAL (Pb-free) OSP, Gold Finger Gold Flash, Carbon Ink
Available laminates	FR4 & High Tg Halogen free FR-4 Metal based clad laminate Rogers	FR4 & High Tg Halogen free FR-4 Metal based clad laminate Rogers
No. of layers	1-20	1-20
Base copper thickness	1/2 to 7oz (18um to 245um)	1/2 to 6oz (18um to 210um)
Board thickness	0.20-5.0mm	0.25-5.0mm
Max. panel size	1200mm x 800mm	1200mm x 620mm
Min. finished hole size	0.10mm	0.10mm
Hole size tolerance	PTH	0.076mm
	NPTH	0.05mm
Hole to hole tolerance	+/-0.05mm	+/-0.05mm
Aspect ratio	10:1(Max.)	8:1(Max.)
Copper thickness in hole	0.020-0.035mm	0.020-0.035mm
Min. line width/space	0.10mm/0.10mm	0.10mm/0.10mm
Min. space between hole to track	0.15mm	0.15mm
Solder mask	LPI solder mask Peelable mask	LPI solder mask Peelable mask
Min. solder mask pitch	0.08mm	0.08mm
Min. solder mask window	0.05mm	0.05mm
Solder mask thickness	0.4mil-0.8mil	0.4mil-0.8mil
Min. annular ring width	0.05mm	0.05mm
Gold thickness	Immersion gold	2u " to 4u "
	Gold flash/ Hard gold	1u " to 5u "
	Gold finger	0.75micron
Nickel plating thickness	150u " to 200u "	150u " to 200u "
Outline profile	Punching, Routing Punching + Push back	Punching, Routing Punching + Push back
Outline tolerance	+/-0.10mm	+/-0.10mm
Twist and bow	0.5-0.75%	0.75%
Impedance control	+/-10%	+/-10%

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