

## Technical support



## Production Capability

We manufacturer 1-20 layers PCB products with more than 10 years experiences.

Article	Description	Capability
Size	Max.Finished Size	20.9"x24.4"(530mm x 620mm )
Board Thickness	Standard	0.004"to0.16 " ±10% ( 0.1mmto4.0mm±10% )
	Min.	Single/ Double-sided:0.008"±0.004"(0.2mm ±0.1mm)
		4-layer:0.01"±0.008"(0.4mm ±0.1mm)
		8-layer :0.01"±0.008"(0.4mm ±0.1mm)
	Bow and twist	< 7/1000
Copper Weight	Outer Cu weight	0.5oz ~ 3.0oz
	Inner Cu wight	0.5oz ~ 3.0oz
Laminate Materials	FR-4,FR-1,,FR-2,CEM-1,CEM-3,Aluminum Base	
Board Cutting	Max. number of layers	20
	Min. thickness for inner layers (Cu thickness are excluded)	0.003"(0.07mm)
Drilling	Min. Size	0.0078"(0.2mm)
	Max. Size	0.3"(8.0mm)
	Drill Deviation	± 0.002" (0.050mm)
	PTH hole tolerance	± 0.002" (0.050mm)
	NPTH hole tolerance	± 0.002" (0.050mm)
Plating	Min. hole size	0.0008" (0.02mm)
	Aspect ratio	20(5:1)
Solder Mask	Color	green,light green,white,black,dark brown,yellow,red,blue
	Min. solder mask clearance	0.003"(0.07mm)
	Thickness	0.0005"-0.0007"(0.012mm-0.017mm)
Silkscreen	Color	White,black,yellow,red,blue,green
	Min. Size	0.006" (0.15mm)
Electrical testing	Flying Probe Tester	Y
Controlled Impedance	Tolerance	±0.5%
	Impedance tester	Tektronix TDS8200

Routing	End Mills Test	± 0.006"(0.15mm)
	CNC Tolerance	± 0.004"(0.1mm)
	V-Cut Depth( residual thickness )	FR-4,Aluminum(1/3+/-0.1mm);FR-1,FR-2,CEM-1,CEM-3(1/2+/-0.1mm)
	V-cut angle	15°,18°,30°
	V-cut Shape	line,hole,V-shape
Surface Finish	HASL,HASL pb free,immersion gold,immersion silver,immersion tin,O.S.P (Entek),S/G plating,ENEPIG,G/F plating,carbon...	
Gold Finger angle	15° 30° 45° 60°	
Others	UL Cert.	Y
	ISO Cert.	ISO9001
	TS16949	Y
	ISO14000	Y



**Brando Technology Company Limited**

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