



**BCC Fuba India Limited**  
(a UL approved and IATF 16949:2016 certified company)

**Corporate Office:** 109, Wing – II, Hans Bhawan, Bahadur Shah Zafar Marg, New Delhi - 110002

### Technical Capabilities for Professional Grade Printed Circuit Boards:

Technical Specifications	Standard	Non-standard
Materials used	FR-4, FR4 (High-Tg) and Metal-core (High-Tg)	Ceramin, PTFE
Type of PCBs	Multilayer, Double side, Metal-core (1 to 12 W) and Single side	Multilayer above 6 layers
INPUT MEDIA	Gerber Data 274X, Gerber Data D, PCB File, DRL File	-
Approvals	IATF 16949:2016, UL94 - V0, ISO 9001:2015	-
Copper Thickness	12 $\mu$ to 140 $\mu$	Above 140 $\mu$
Board Thickness	0.30 mm to 3.20 mm	3.2 mm to 4.5 mm
Minimum Hole Size (Finished)	0.25 mm	0.20 mm
Minimum Line Spacing	0.15 mm	0.125 mm
Minimum Line Width	0.15 mm	0.125 mm
Minimum Annular Ring	0.10 mm	0.075 mm
Maximum Panel Size		
Single side	1200 X 508	-
Double side	600 X 508	820 X 508
Multilayer	535 X 406	560 X 450
Minimum Solder Mask Dam	0.10 mm	NA

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<b>Hole Diameter Tolerance PTH</b>	+/-0.075 mm	+/-0.05 mm
<b>Hole Diameter Tolerance NPTH</b>	+/-0.05 mm	NA
<b>Profile Routing Tolerance</b>	+/-0.20 mm	, +/-0.10
<b>Aspect ratio</b>	5.3:1	6.4:1
<b>Surface Finish</b>	Lead Free HASL, Tin-lead HASL, and Lacquer	ENIG
<b>Solder Mask Colors</b>	Green, Black, White and Blue	All other colours
<b>Peelable mask</b>	Top, bottom or both sides	NA
<b>Electrical test</b>	100% (Flying probe or fixture test)	NA
<b>Quality Standards</b>	IPC-A-600 J / PERFAG	NA

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