

Printed Circuit Boards Far Eastern Production

We provide PCBs of up to 10 layers from selected suppliers in Japam and China. Here we do not only focus on the price but on a reasonable value for money.

Based on a detailed and skillfull preparation and evaluation of the technical feasibility the placement can be optimized by you or your service provider. Please contact us! We would be glad to submit you our quotation according to your requirements...

Services of our Far Eastern production (Red marked = standard)

Layers

- one-sided
- two-sided
- multi layer: 4 to 10 layers

Time of delivery

- 11 - 15 working days only upon request
- approx. 4 - 5 weeks

Kupfer

- Cu starting thickness: 9µm 12µm 18µm 35µm 70µm 200µm 400µm
- Cu standard finishing thickness: 35µm 70µm 105µm 210µm 400µm

Width of circuit path / -distance

50µm 75µm 100µm 125µm 150µm 200µm

Vias & component gaps

Via min.:	-	75µm	100µm	125µm	150µm	200µm	300µm
Blind via min.:	50µm	75µm	100µm	125µm	150µm	200µm	300µm

Aspekt Ratio: 1:1

Annular ring via:	100µm	125µm	150µm	200µm
Annular ring component:	-	-	-	200µm
Pressfit technology:	YES			

Mechanics

Milling:

- outline contour (square = included)
- special contour
- interior
- Z-axis (depth milling)

Gaps: YES

Jumping V-cut operation: YES

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Surface

Finish:

- HAL (lead free)
- chemical tin
- chemical silver
- chemical gold (ca. 5 µm Ni + 0.05 µm - 0.10 µm Au)

Site plating: YES

Gold-plating of connector: YES

Solder mask

- green (2x included)
- white (SD2497 SG)
- red (SD2437 SM)
- dark blue (SD2457 SM)
- black (SD2447 SM)

Peelable solder mask: YES

Carbon finish: YES

Ident print (silk layer)

- white (1x included)
- yellow

Lasing of SMD master plate: YES

Base material

Material:

- FR4 (data sheet)
- FR4 high-TG 150 / 170
- Polyimid (Flex, Starrflex)

Maximum size of PCBs

- 1 - layer PCB: 720 mm x 560 mm
- 2 - layers PCB: 720 mm x 560 mm
- Multi layers PCB: 635 mm x 510 mm

FR4 available thicknesses (2 layers)

- 0,3 mm
- 0,5 mm
- 0,8 mm
- 1,0 mm
- 1,2 mm
- 1,6 mm
- 2,0 mm
- 2,4 mm
- 3,2 mm
- special thicknesses of up to 6 mm upon request

Quality control

E-Test (included from 2 layers upwards)

Impedance control

Tolerance 10% 7.5% 5%

Special

Customized layer design: YES