

**Using "core" service
create high-quality circuit.**

**High Mixed, Low Volume,
Reliable Quality, Quick Delivery**

To Be the Most Reliable One-Stop Fast Solution Provider
of Electronics and Circuit Board in the World.

Design your boards correctly from the start

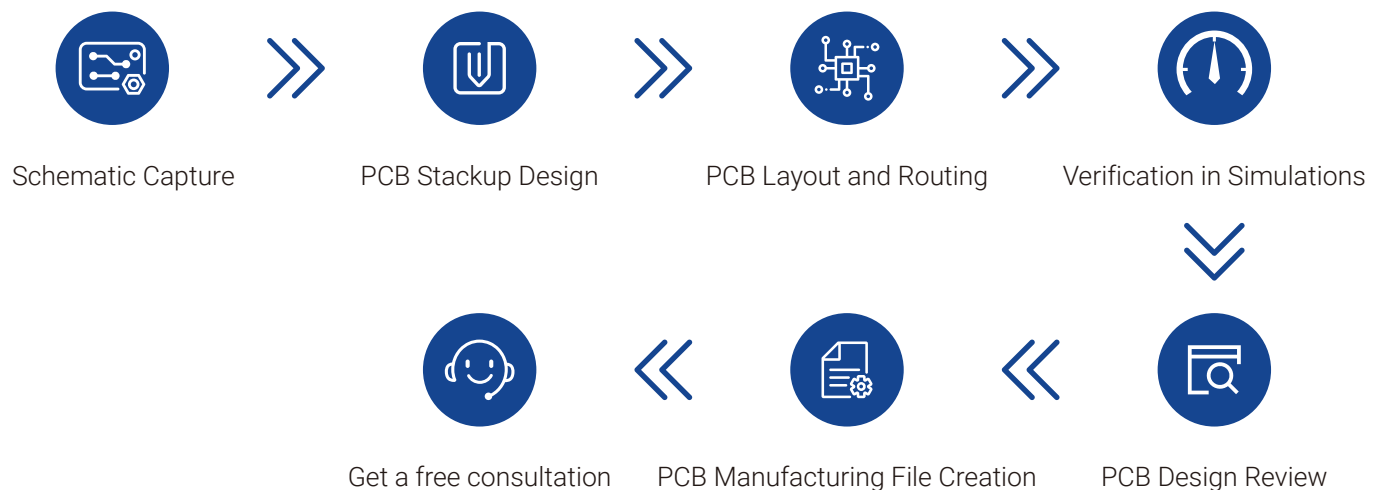
Every PCB should be designed in such a way that the overall cost and chances of potential DFM issues can be minimized. Our team of designers understand how to reduce risk and cost optimization throughout each of these phases.

Excellent PCB Design can help you :

- ✓ Reduce costs
- ✓ Improve PCBA performance
- ✓ Improve security and reliability
- ✓ Reduce the risk of errors in the PCB manufacturing process



We uphold the following design principle: cost-effectiveness, security, compliance, performance, reliability and time to market. Throughout the design process, we'll collaborate with you on any required design changes and provide suggestions to improve your new product.



Deliverables

By the end of the PCB design process, a wealth of design and manufacturing data will have been generated by an entire team of designers and engineers.

Category	For PCB Manufacturing	For PCB Assembly	Other Files
File Desc	Gerber files	Bill of materials (BOM)	Schematics drawings
	NC Excellon Drill File	Pick and Place files	3D files
	Fabrication drawings	Assembly drawings	Special assembly instructions
	Testpoint report		

Company profile

2006

Company establishment

500+

Company Personnel

28900+

Factory Area

OEM

One-stop Solutions



Best Technology, establish on June 28, 2006, is a Hong Kong registered company whom focused on one-stop solution provider of FPC, Rigid-flex, MCPCB, FR4 PCB, Ceramic PCB, Special PCB such as Heavy Copper (up to 30 OZ), extra thin PCB (0.15mm), and PCB assembly service.

Since beginning, as a printed circuit board (PCB) vendor in Asia, Best Technology is dedicating to be your best partner of advance, high-precision printed circuit boards, such as heavy copper boards, ultra thin PCB, mixed layers, busbar PCB, high TG, HDI, high frequency (Rogers, Taconic), impedance controlled board, Metal Core PCB (MCPCB) such as Aluminum PCB, Copper PCB, and Ceramic PCB (conductor Copper, AgPd, Au, etc) and so on.

What we provide is not only PCB & MCPCB manufacturing, but also including PCB duplicating, Engineering & process design, components management & sourcing solution, PCB in house assembly & full system integration, surface mounted technology (SMT), full products assembly & testing.

Most of our engineer and operators has more than ten years of experience in PCB industry, so we can produce special such as 30 OZ heavy copper board, 4 layers MCPCB, etc. At the same time, we purchased many advanced, art-of-state machines & devices for PCB manufacturing, checking, to improve the quality of our boards.

Currently our mouthy capability is 260,000 square feet (28,900 square meter), more than 1,000 different boards will be completed. We also provide expediate service, so that urgent boards can be shipped out within 24 hours.

01 FPC & Rigid-flex, Heaters

Quality Assurance & Fast Delivery

FPC: 1-10L

Max Board Dimension: 1L:500*2000mm; 2L:250*1380mm

Conductor Thickness: 1/3 OZ (12 μ m) - 4OZ (140 μ m)

Min Line Width/Line Space: 2/2mil

Min Hole Spacing: NPTH:16mil; PTH:20mil

Hole Position Deviation: \pm 4mil (0.10mm)

Outline Tolerance: Laser: +0.15mm/-0.05mm; Die Punch: +0.10/-0.20 mm

Surface Treatment: ENIG(Au 4u"), Hard Gold Plating (Au 50u"), Immersion Silver, Immersion Tin, OSP, ENEPIG

Rigid-Flex: 2-50L

Max Board Dimension: 500*500mm

Conductor Thickness: 0.5oz (18 μ m) - 2oz(70 μ m)

Board Thickness: 0.3mm - 4.0mm

Min Line Width/Line Space: 4/4mil

Min Hole Spacing: NPTH: 16mil; PTH:20mil

Min Solder mask Bridge: 8mil

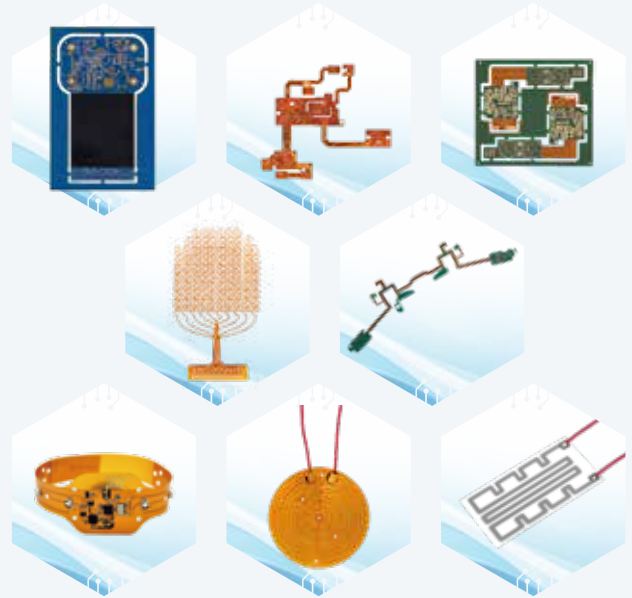
Impedance Controlled: \pm 10% (>50ohm); \pm 5ohm (\leq 50ohm)

Flex HeatersTypes: Polyimide heater, PET heater, Silicone heater, Transparent heater.

Temperature: -40°C - 250°C (Below 200°C For Long-term Use)

Voltage: 1V-380V

Watt density: 0.03-2.5 W/cm²



02 PCB & SMT

Quality Assurance & Fast Delivery

PCB & SMT

PCB Layers: 1-32L

Heavy copper PCB, Extra thin PCB, High Tg PCB, HDI PCB, RF PCB, Semi-flex PCB

Copper Thickness: Outer Layer:1oz~30oz, Inner Layer:0.5oz~30oz

Min Line Width/Line Space: Normal: 4/4mil; HDI: 3/3mil

Min Hole Diameter: Normal: 8mil; HDI: 4mil

PTH/NPTH Dia Tolerance: PTH: \pm 3mil; NPTH: \pm 2 mil

Surface Treatment: ENIG(Au 4u"), ENEPIG (Au 5u")

Gold finger/Hard Gold Plating(Au 50u"),

HASL /LF HASL, OSP, Immersion Tin,Immersion Silver

SMT Precision: 00105, 0.2mm pitch BGA, 0.25mm pitch connector

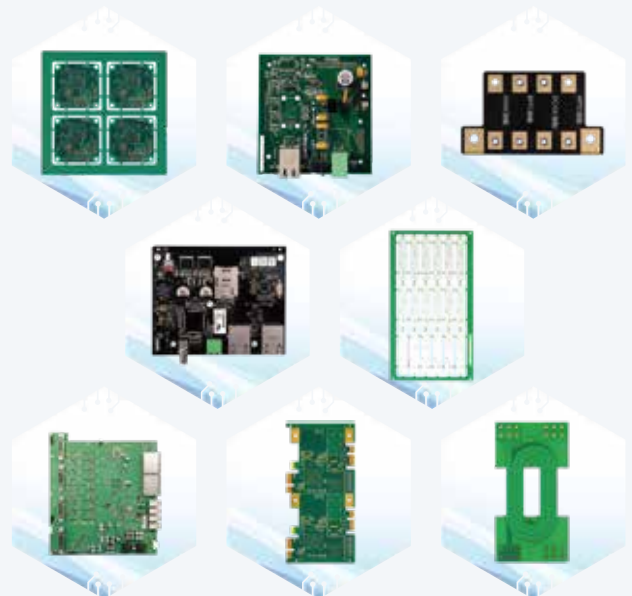
SMT PCB Size: \leq L50*50mm, L1200*360mm

SMD, Through Hole, Handle Soldering, Wire, DIP

Testing: Function, ICT, X-RAY, AOI, SPI, IC Programing, Aging

production capacity: 500000 Points/H

Box Building: Metal, Plastic house

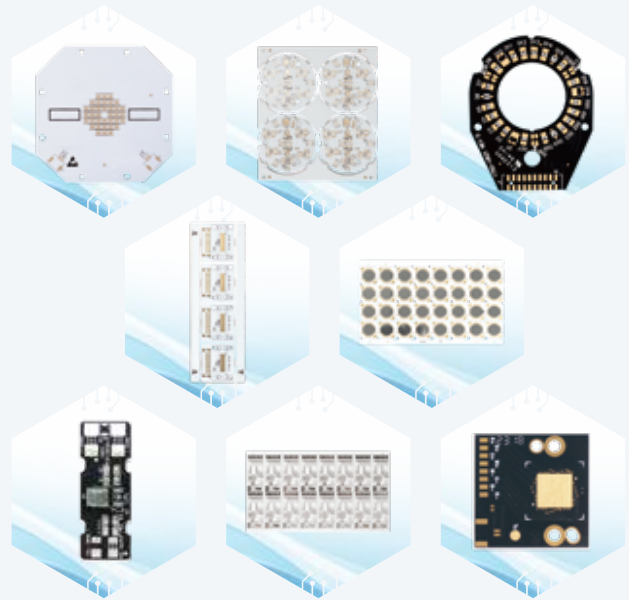


03 MCPCB

Quality Assurance & Fast Delivery

MCPCB Layers: 1-10L
 Aluminum PCB, Copper core PCB, COB PCB, SinkPAD PCB
 Max Board Dimension: 610*1625mm
 Conductor Thickness: 0.5oz - 10oz
 Min Line Width/Line Space: 4/4mil
 Wall Copper Thickness: Normal: 0.59mil; HDI: 0.48mil
 Counterbore hole, Countersunk hole, Blind, Buried, vias
 Max Aspect Ratio: 10:1
 Min Board Thickness: 0.8mm
 Max Board Thickness: 5.0mm
 Min Hole Diameter: 0.8mm
 Min Hole Spacing: 1mm
 Min Soldermask Bridge: 0.15mm

Base Material: 1060、3003、5052、6061
 Dielectric Constant (MHZ): 4.2-4.8
 Water Absorption: $\leq 0.5\%$
 Thermal Conductivity (W/m.K, or W/m.C): 1-8W
 Wrap & Twist: 0.75%



04 Ceramic PCB

Quality Assurance & Fast Delivery

Ceramic PCB: 1-6L (Thick Film), 1-2L (DBC, DPC, AMB),
 4-64L (LTCC, HTCC)
 Substrate: Al₂O₃, AlN, BeO, ZrO₂, Si₃N₄
 Conductor: 0.035-0.30mm (copper)
 AgPd: 10-20um, Au: 6-10um; -50-800C Working Temp
 Bonded Resistors: +/-0.5% Tolerance
 PTH/NPTH Dia Tolerance: PTH: ± 4 mil; NPTH: ± 2 mil
 Outline Tolerance: +0.20/-0.05mm (Laser)
 Biggest size: 200*200mm (Thick Film), 138*178mm (DBC, DC-B), 138*190mm (DPC), 114*114mm (AMB)
 Minimum board thickness: 0.25mm-0.40mm
 Minimum hole distance: NPTH: 16mil (0.30mm); PTH: 20mil (0.5mm)
 Hole vias tolerance: ± 4 mil (0.1mm)
 Tolerance: Laser cutting: +0.2/0.05mm;
 Mold type : +0.25/0.20mm
 Line width/line distance tolerance: ± 5 mil (0.125mm), ± 1 mil (0.025mm)
 Surface treatment: AgPd, AuPd, Mn/Ni (Thick Film), OSP antioxidant/nickel plating, ENIG, ENEPIG



Manufacturing & Testing equipment



Laser Machine



Laminator



Magnetron Sputtering



Trace Exposure Area



VCP



YAMAHA Assemble Machine



Nitrogen Reflow Oven



3D Online AOI



3D Measurement



2D Measurement



Flying Probe Test



Fully-auto Tester

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BEST PCBs



BEST FPC