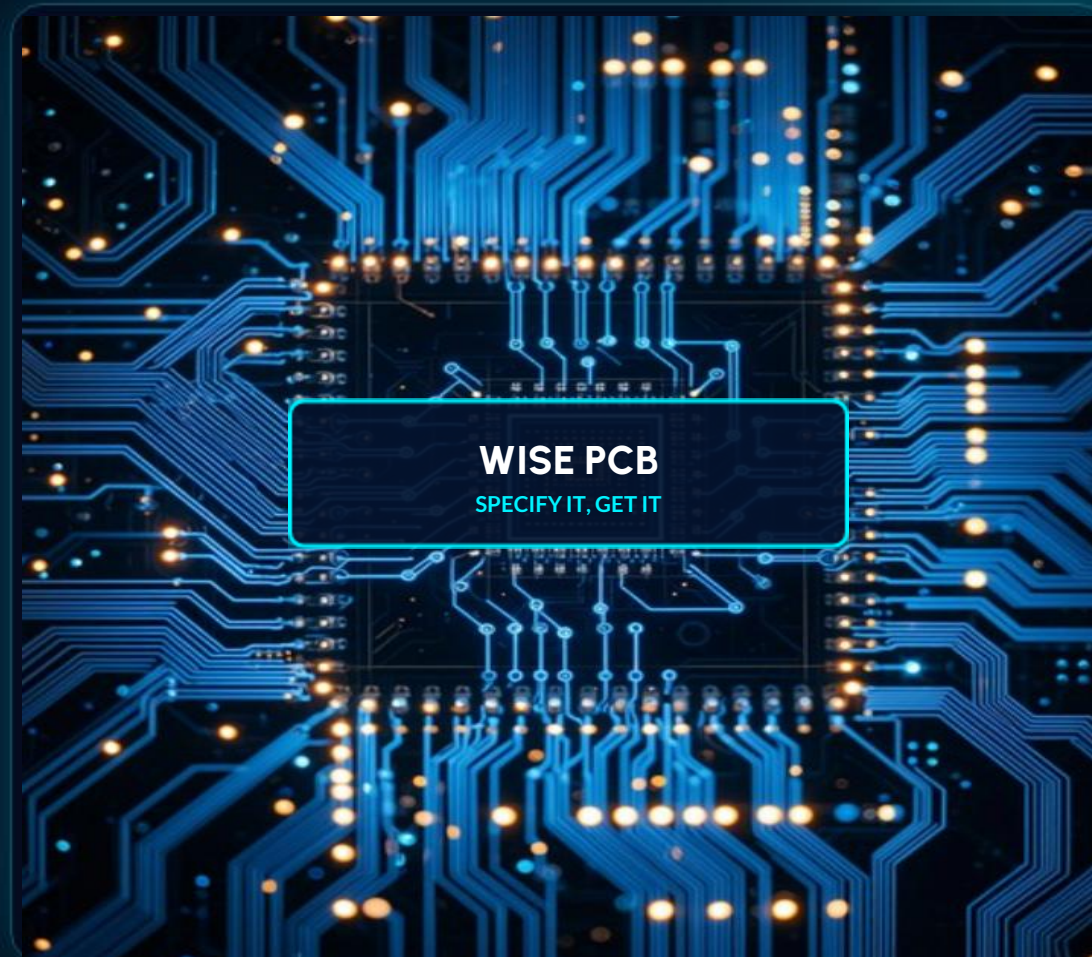




Smart PCB Manufacturing & Intelligent Supply Solutions

Simply tell us your specifications and requirements, and our experienced engineering team will provide a customized PCB solution tailored precisely to your needs. From prototypes to mass production, WISE PCB is committed to delivering the quality, performance, and reliability you expect.



Who We Are

WISE PCB is a specialized provider of **Printed Circuit Boards (PCB)** and **PCB Assembly (PCBA)** services, connecting Korea's advanced PCB manufacturing technology and quality management expertise with a globally competitive production network. We carefully analyze each customer's product requirements and specifications to deliver the most suitable manufacturing solutions, from prototype development to mass production. Through our global manufacturing network equipped with advanced production facilities and automated systems, we provide high-quality products at competitive prices.

WISE PCB offers an **Online Auto Quotation System** through our website, allowing customers to enter their PCB specifications and receive quotations quickly and conveniently at any time. In addition, our experienced engineers provide comprehensive technical reviews and customized consultation to recommend the optimal manufacturing solution for both standard PCBs and highly complex, special-specification boards.

At WISE PCB, we are more than just a PCB supplier—we strive to be a trusted engineering partner throughout the entire product development process. From the early design stage, we support our customers with Design for Manufacturability (DFM) reviews, material selection, cost optimization, and process improvement to enhance product performance and manufacturing efficiency, allowing customers to focus on developing innovative products with confidence.

To ensure consistent quality, WISE PCB applies Korean-level quality standards throughout the manufacturing process. We carefully select manufacturing partners with proven technical expertise and robust quality management systems to maintain a reliable production environment. Our experienced engineering and quality control (QC) teams continuously monitor every stage of production, while real-time Work-in-Process (WIP) updates enable customers to track manufacturing progress and quickly accommodate design changes when necessary.

Guided by our philosophy, **"Our customers' success is WISE PCB's greatest pride,"** we are committed to providing fast quotations, reliable quality, competitive pricing, and on-time delivery. From prototypes to high-volume production, WISE PCB is dedicated to becoming your trusted long-term PCB manufacturing partner.

정부파일 (Zip파일만 가능하며 50MB이하) [Gerber File](#) [reset](#)

For your convenience, we provide an automatic analysis function, but errors may occur during analysis depending on the Gerber type. In such cases, please manually enter the board size and number of layers.

PCB types

Standard PCB

HDI, Impedance

Rogers

Flexible PCB

Rigid-Flex Board

For board sizes of 300 * 300mm or larger and quantities exceeding 100, please request a quote via the HDI or Impedance menus.

Item

Number of layers

4th floor

6th floor

8th floor

10th floor

size

70

X

70

mm

Please enter the maximum width and height.

quantity

5

Break-away Rail

doesn't exist

doesn't exist

thickness

0.6

0.8

1.0

1.2

1.8

2.0

2.2

2.4

2.6

2.8

3.0

PCB color

red

Orange

yellow

blue

white

purple

black

Matte black

silk-screen

white

black

outer layer copper foil

0.5 oz

1.5 oz

2 oz

Number of layers

-

Total PCB area

mm²

PCB Order Quantity

0

Break-away Rail

-

thickness

-

PCB color

-

Silkscreen

-

outer layer copper foil

-

Surface finish

-

Flying probe test

-

texture

-

IPC Class

-

Add UL Mark

-

Estimated delivery date

-

weight

-

Total payment amount

one

VAT [Included]

Shipping fee [included]

The cutoff time for same-day orders is 5 PM.

Cash payment inquiry

031-360-1101

Sales@wisepcb.com

Calculate

| Our Core Values

99.9%

Production Yield

Intelligent Compensation. Exceptional Yield. .



Smart Process

Real-Time from Design to
Manufacturing.



High-Tech Quality

Zero Defects Through 100%
3D AOI Inspection.



Flexible Supply

Flexible Scheduling. Faster
Delivery.

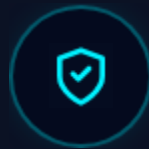
Key Performance Indicators



20+ Years
Experience PCB
Manufacturing



5000+ Successful
Projects
Worldwide Clients



99.8% On-time
Delivery
Performance
Target



24 Hours
Quotation
Response
Fast & Accurate
Feedback

How It Works



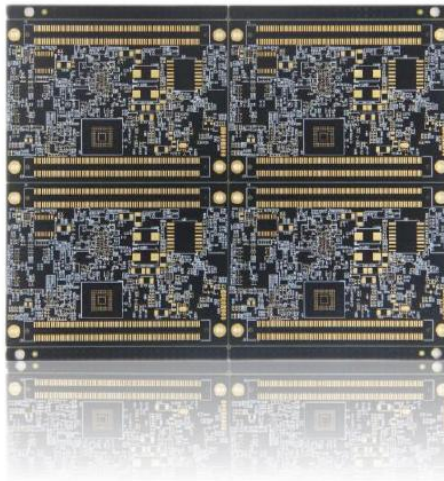
PCB Capabilities

Item	Process capability
Layer	1-34L
Board Thickness	0.2-8mm
Board Thickness Tolerance	±5%
Minimum PCB Size	2.5x2.5mm need create panel, 10x10mm can do single board
Maximum PCB Size	500x1500mm
Material Type	FR-4 、 CEM-3 、 Mid Tg 、 High Tg 、 High CTI, Halogen Free Lead, High Frequency,Teflon
Maximum Copper	18oz
Inner(Finish Copper)	18um(1/2OZ)
	630um (18OZ)
Outer(Finish Copper)	25um(2/3OZ)
	630um (18OZ)
Hole Size for Machine Drill	0.15-6.4mm
Hole Size for Laser Drill	0.075-0.2mm
PCB Thickness/Hole Size Ratio	Maximum:14:1
Hole Location Tolerance	±2mil
Hole Size for Fill Resin and Copper Capped	0.15-0.5mm
NPTH Depth Routing Tolerance	±0.1mm
Impedance Control	±7%
Minimum Width of Solder Mask Bridge	Finish copper<1OZ: 3mil(green), 5mil(other colour)
Solder Mask Cover Trace	2mil (allow partly 1.5mil)
Max Via Size for Plug Solder Mask	0.5mm
Surface Finishing	HASL,LF HASL,ENIG,Immersion Tin/Sliver,Hard Gold,OSP

PCB Type



Multilayer PCB

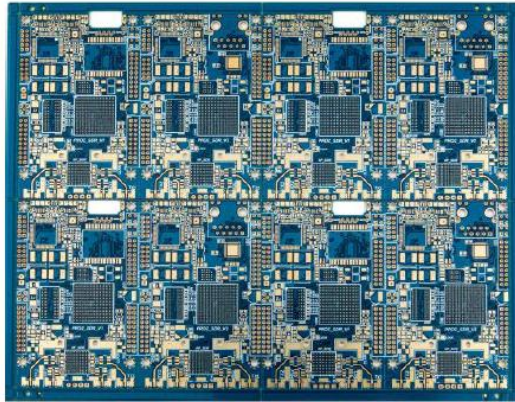


We possess the capability to produce multilayer PCBs with as many as 36 layers. These can have copper weights ranging from 0.5oz to 8oz and widths spanning from 0.2mm to 7.0mm. Furthermore, we offer a diverse range of surface finishes and laminates to cater to our clients' specific requirements. Our quality management system has been duly certified in accordance with the ISO 9001 standard, ensuring that our products are of trustworthy quality and align with industry standards.

Our Multilayer PCB Fabrication Capacity

Items	Performance parameter
Number of Layers	4~36Layers
Material	FR-4, Ceramic, Flexible, Metal Core, etc.
Board Size	600*770mm(23.62"*30.31")
Board size tolerance	±0.1mm – ±0.3mm(5%~10%)
Board Thickness	0.4mm – 5.4mm
Board Thickness Tolerance	±0.1mm – ±10% of thickness of board
Copper Weight	1/3oz – 20.0oz
Inner Layer Copper Weight	1/3oz – 17oz
Min Tracing/Spacing	3MIL/3MIL
Min.Hole Size	0.1MM
Controlled Impedance	10%
Aspect Ratio	10:1
HDI Capability	1N1,2N2, 3N3,N4N
Min Blind/Buried hole size	0.1mm(1-18layers)
Surface methond	ENIG, OSP, Lead free HASL, Gold plating (hard gold), Immersion Silver, Immersion Tin, Plating Tin, Plating Silver, Carbon Ink.

PCB HDI PCB (Build-up Board)

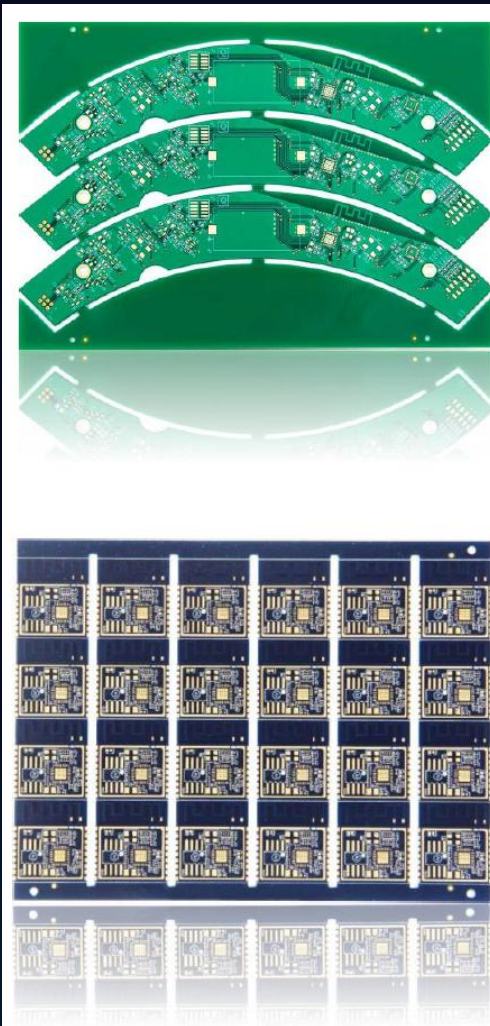


WISE PCB manufacturing provides high-quality HDI PCBs at competitive prices, without a minimum order quantity requirement. Our team performs design for manufacturability checks on your custom PCB file and consults with you to ensure that it is ready for manufacturing and meets your performance requirements.

Our HDI PCB Fabrication Capacity

Specifications	PCB Capabilities
PCB Layers	4 ~34 layers
High-Density Layers	Up to 18 layers
Delivery Time	1 day to 3 weeks
Stackup	1+N+1, 2+N+2, 3+N+3, 4+N+4
PCB Via	Blind via, Buried via, Staggered via, Stacked via, Skip via
Minimum Laser Drill Diameter	0.01MM
Final PCB Thickness	0.15mm
Minimum Trace Width/Space	Flex/rigid-flex PCBs: 1.6mil/1.6mil Rigid PCBs: 3mil/3mil
Production Capability	3000m ² per day
Copper Thickness	100µm to 125µm
Impedance Control	90Ω ~100Ω
Technical Feature	90Ω & 100Ω Differential impedance, thick cooper
Silkscreen	White, Black, Red,etc.
Soldermask	Green, Blue, Purple, White, Black, Pink,Orange
Surface finish	OSP, HASL, Lead Free HASL,ENIG,Immersion Tin,Immersion silver, Hard gold plating,etc.

High Frequency PCB

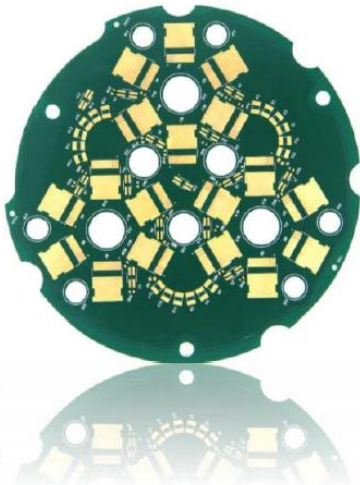
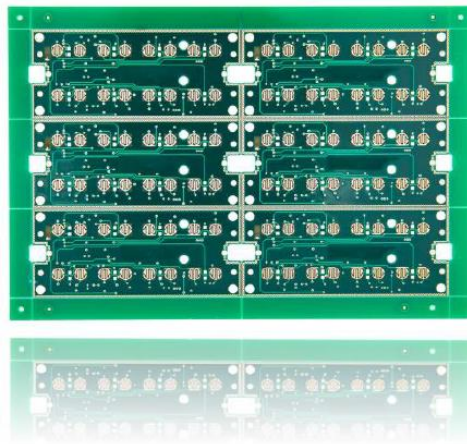


WISE PCB is a China-based professional PCB manufacturer that offers reliable and high-performance high-frequency PCB fabrication services. We can produce high-frequency PCBs typically in the range of 500MHz to 10GHz.

Our High Frequency PCB Fabrication Capacity

Feature	Capability
Layer Counts	1-36
Normal Lead Time	4-6 Working Days
Fast Lead Time	1-2 Working Days
Materials	ISOLA, Shengyi, Rogers, Nelco, Arlon etc.
Copper Thickness(Finished)	1/30Z-200Z
Overall Board Thickness	0.2-5MM
Minimum Line/Track Width & Space	3Mil/3Mil
Solder Mask Color	Green,black,blue.white, red,yellow. glossy and matt etc.
Legend/Silkscreen Color	White, yellow, black, etc
Back drilling	≤16mil
Surface Treatment	Plating Gold, ENIG, Immersion Tin&Silver etc.
Qualifications	UL, ISO 14001:2015 IS9001:2015Certified

Heavy Copper PCB

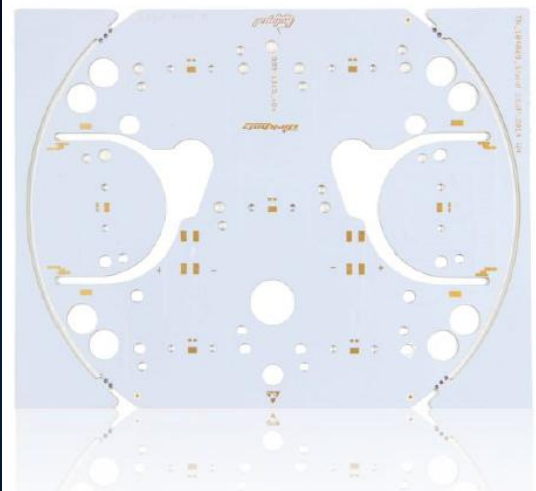


WISE PCB is an experienced manufacturer of thick copper PCBs. We design and produce high-quality thick copper PCB products. Our manufacturing capabilities can handle copper weights of up to 15oz (525 μ m).

Heavy Copper PCB Manufacturing Capabilities

Feature	Parameters
Material	FR4, Aluminum, Ceramic, Special Board Materials: Rogers, Teflon, Polyimide, Copper core.
Quality class	IPC 2/IPC 3
Thickness of copper	2oz-20oz
Extremely heavy copper	20oz-200oz
Layers	2 – 18 layers
Build Time	3 – 10 working days
Delivery time	5 days – 2 weeks
Max Outer Copper Weight (Finished)	20oz
Maximum inner layer copper weight	12oz
Type of hole	Via/Blind Via/Buried Via
Via Coverage	Via Tent / Via Plugging / Via Fill
Surface treatment	ENIG/OSP/HASL/IAG/ISN/ENEPIG/ ROHS
Minimum Solder Mask Distance	6mil
Solder Mask Color	Green/White/Blue/Black/Red/Yellow/ Purple/Matte
Minimum silkscreen line width	8mil
Silkscreen Color	White/Yellow/Blue/Black/Red
Smallest ring	6mil
Minimum drilling diameter	10mil
Impedance control	+/-5%~10%
Board outline	Punching, Routing, V-Cut

Aluminum PCB

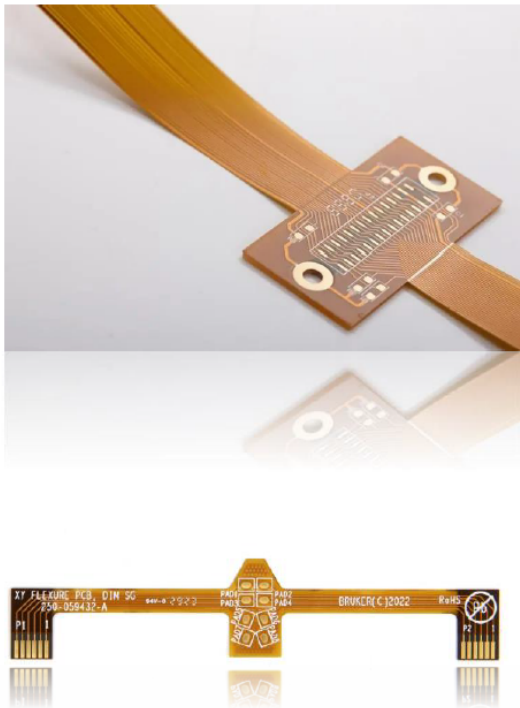


AtWISE PCB, we harness a comprehensive range of high-performance substrates to craft these aluminum PCBs, ensuring a reliable manufacturing and assembly service tailored to your needs, be it for prototyping or large-scale production. Our end-to-end aluminum PCB fabrication capabilities, coupled with complimentary DFM (Design for Manufacturability) checks, empower you to get quality aluminum circuit boards without compromising your budget.

Aluminum PCB Manufacturing Capabilities

Specifications	Aluminum PCB Capabilities
Layer	1-6 Layers
Build Time	1 -4 Weeks
Aluminum PCB Types	Single-sided, Double-sided, Multilayer
Quality Level	IPC-A-600 Class 3/2
Thermal Conductivity	1W/mK to 9W/mK
Aluminum PCB Substrate Material	3003 (pure aluminum) 5052 (Al-Mg alloy) 6061 (Al-Mg-Si alloy) 1100 (pure aluminum)
Dielectric Layer Material	Polymer Filled With Ceramic
Copper Thickness	1OZ to 8OZ (35µm to 280µm)
Manufacturing Condition	Full-line operation; Production Machines And Equipment Specialized For Aluminum PCBs
Surface Finish	ENIG, OSP, HASL, Immersion Silver, Immersion Gold

Flexible PCB

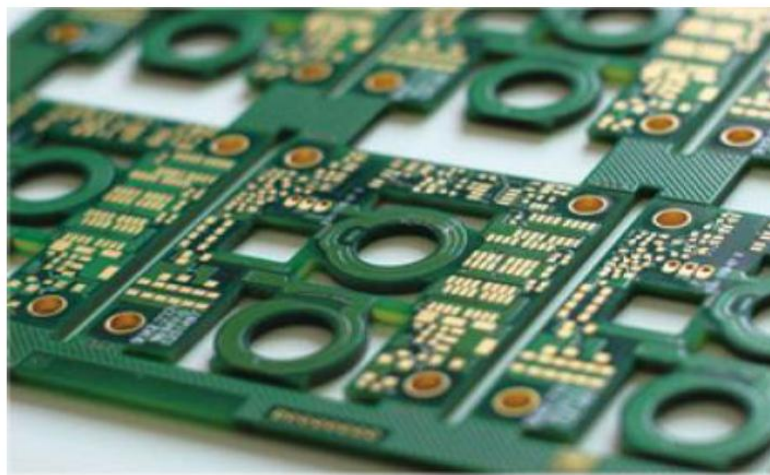


WISE PCB provides a comprehensive array of PCB services, encompassing flexible, rigid-flex, and rigid PCB fabrication. This ensures that we are well-equipped to meet varied project requirements. We use premium-grade materials and the latest technology equipment to ensure our PCBs' utmost performance and reliability.

Flexible PCB Manufacturing Capabilities

Feature	Parameters
Material	PI, FPC, FCCL (35μm Cu + 25μm PI + 35μm Cu) Dupont
Structure	Flexible&Flex&Soft
Layer Count	1-6 Layers
FPC Thickness	0.002" – 0.1" (0.05-2.5mm) Including Stiffener Thickness
Coverlay	Single or Double Sided Yellow
Silkscreen	Single or Double Sided White
Surface Treatment	ENIGH or Immersion Gold
Finished Copper Weight	1/3oz – 2oz
Min NC Drilling Dia	0.2mm
Stiffener	PI, FR4, AL, 0.06mm steel stiffener
Minimum Trace/space	3Mil/3Mill
Delivery Time	1-2Weeks

Special Material PCB



ROGERS
Series PCB

5880
4350B
6010
3003
3010
etc.

Isola Series
PCB

370HR
185HR
IS55OH
FR408HR
P95
P25N
etc.

Taconic Series PCB

FR- 10

TLY-5A

TLY-5

RF-30-7H

RF-35A

etc.

Panasonic Series

PCB

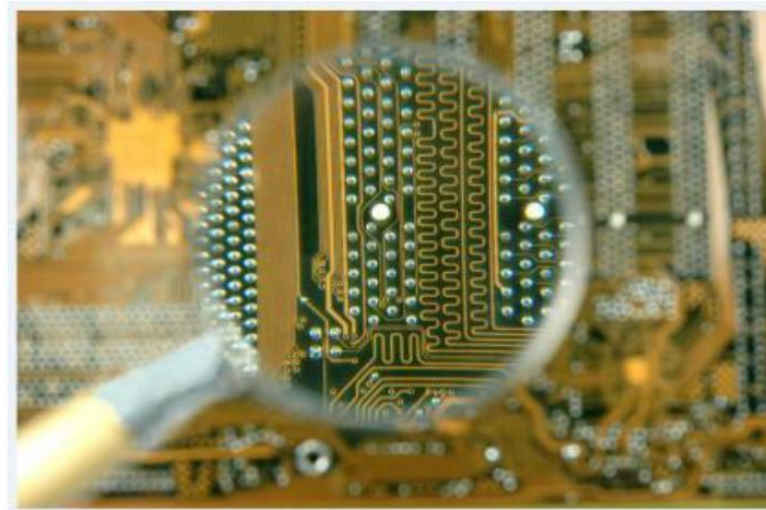
R1766

R1566

R8700

Megtron6

etc.



Main Materials

FR4 PP Laminate	SYTECH,TUC,ITEQ,KB
Halogen-free	SYTECH,TUC
High Frequency/speed	SYTECH,TUC,ROGERS,Taconic, Panasonic,WANGLING
High Thermal Conductivity/CTI	SYTECH
Flex Material	SYTECH,DuPont
Solder Mask	TAIYO INK,NAN YA,ABQ,RONGDA



TACONIC



TAIYO INK

ARLON



Panasonic



**南 亚
NAN YA**



tuc

isola

ITEQ

Advanced PCB Equipment



Drilling



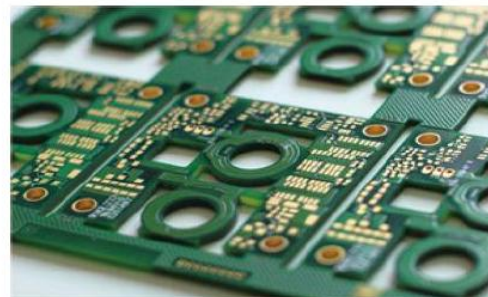
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AOI Analyzing



Routing



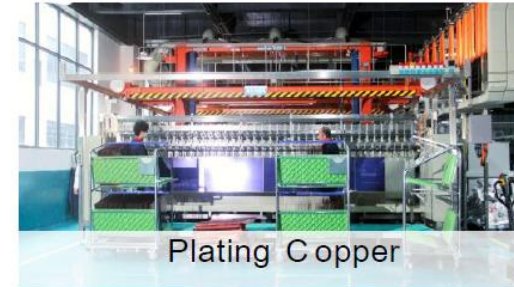
ET



LDI



Physical Chemistry Lab



Plating Copper

Fast Response Service

Delivery : **2 - 3** days
(up to 99% on time)



Layer	2	4	6	8	10
The Quickest	24h	48h	72h	72h	3days
Usual time	4days	6-7days	7-8days	8-10days	10-12days
Production (over 10m ²)	8-10days	10-12days	11-13days	13-16days	13-16days

Certificate

- Pre-control
IPC-II/IPC-III
- Raw Material Control
ISO9001 / ROHS / Reach UL:E522850
- ISO13485

- Process control
AOI Machine
AVI Machine
Twice quality test before shipment
Complaint Rate Less Than 0.8%



Contact Us

"Specify it, Get it"

Experience Intelligent Supply Optimization..

 sales@wisepcb.com

 www.wisepcb.com