



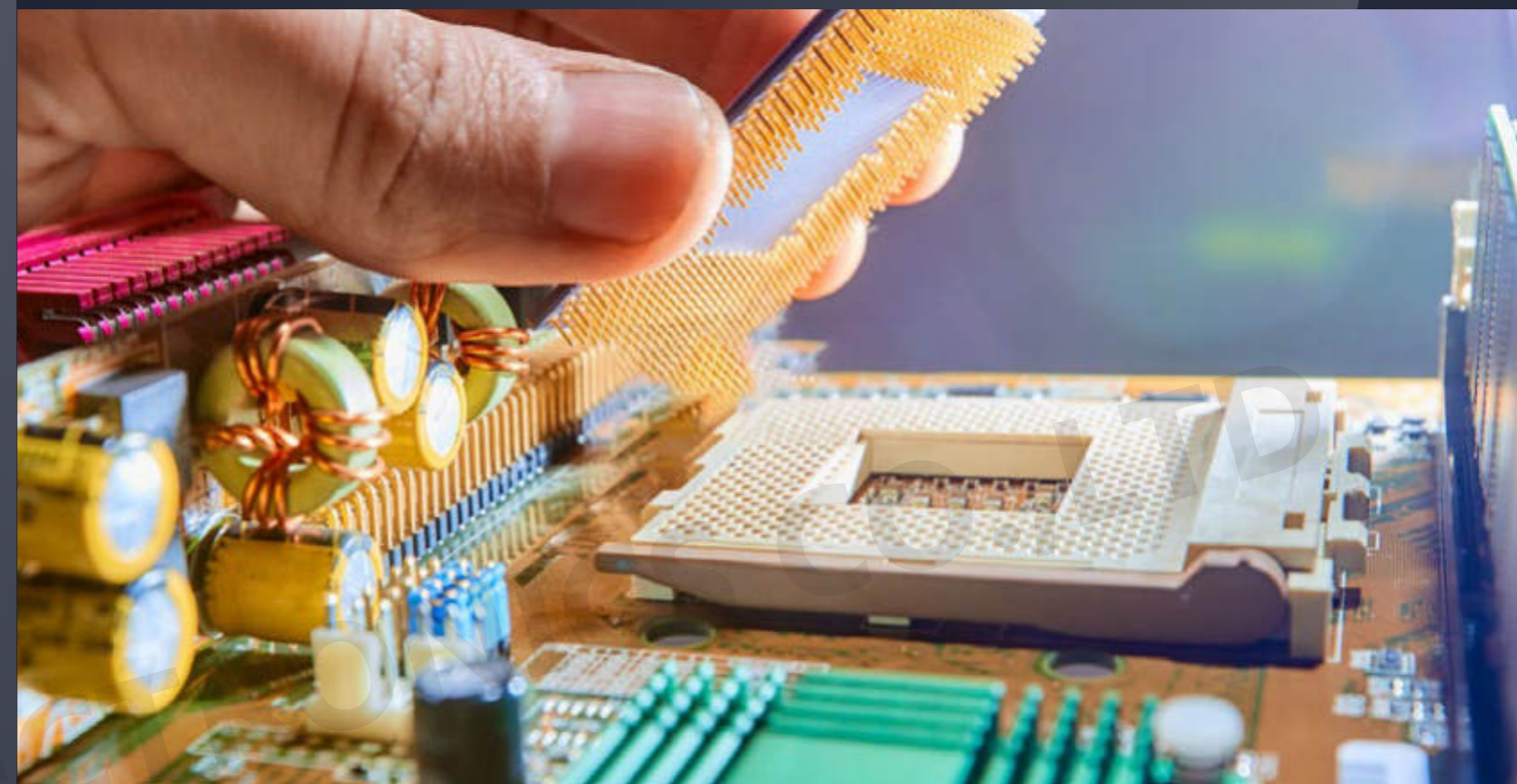
Office:

Room501-502, Fude life Insurance building, Fuzhong 1st Road, Lianhua street,
Futian district, Shenzhen 518034

Factory:

Floor 3, Jinyuan Industrial Park, No.56 Tangtou Avenue, ShiyanTown, Bao'an, Shenzhen

- WEB1: www.poe-pcba.com
- WEB3: www.pcbamake.com
- WEB2: www.chinapcsmt.com
- E-mail: sales@poe-pcba.com
- Orders: Orders@pcbamake.com
- sales: sales@chinapcsmt.com
- TEL: 0755-25312250



WISDOM LEADS GLOBAL
ELECTRONIC CORE TECHNOLOGY

2023

智领全球
电子核心
科技

2023
July-August

OEM Services for PCB and PCBAs Since 1996

GENERAL MANAGER SPEECH

Business is about building life-long relationships
with attentive service, quality products and honest
business practices.

Mr.Hu Jiwei

CATALOG

- 01 _____ Company Profile
- 02 _____ POE Culture
- 03 _____ POE Trend
- 04 _____ EMS Service
- 05 _____ Application
- 06 _____ New Products

Company Profile

At POE

,we strive to provide the most satisfied production service and to be your long term "Partner Of your Electronics", your global technology partner. With over 200 diverse, talented and dedicated employees across 5 locations in 4 countries, our vision is to be the most technologically advanced and trusted one stop contract manufacturing solutions provider. We combine an unmatched breadth and depth of end-market experience, technical and design capabilities, manufacturing know-how, supply chain insights and global product management expertise to enable success for the world's leading brands. We are driven by a common purpose to make a positive impact for each other, our communities, and the environment. POE Manufacturing, your global technology partner.

Manufacture



POE do one stop contract manufacturing by making things with global scale and unrelenting quality is anything but simple. We do 1-40layer PCB manufacturing, PCB assembly, components sourcing, program , testing, cable assembly, SMT stencil, Carton box, plastic and metal case packaging, 3D case, glue coating and final products ICT test . Managing 700,000+ parts across more than 200 suppliers provides us with key insights into commodity trends, strategies and shortages, so we can mitigate risk for your products. Whether your product requires low-mix/low-volume or high-mix-/high-volume manufacturing, we've got those — and everything in between — covered. We make end-to-end product development possible, from hardware to software.

DESIGN



With technology evolving at light speed, time is our most precious commodity. To meet changing needs and new challenges, you need to be able to prototype, test and scale solutions fast. Thanks to our design expertise across numerous industries — including consumer electronics, healthcare, retail, energy and industrial — we can transform blue-sky ideas into practical reality. We bring decades of experience in cutting-edge technologies to reinvent design in every form: for manufacturing, automated assembly, products, additive manufacturing and mechanical engineering.

DELIVER



In pursuing our vision to be the most technologically advanced and trusted manufacturing solutions provider, we deliver speed-to-market, scale, innovative solutions, high-quality products and excellent customer service — all with an eye on building strong relationships, improving efficiencies and helping you reach your most ambitious goals. This is our promise to you. Our China SMT and PCB facilities plus our total supply chain orchestration solutions deliver end-to-end visibility, instant responses and immediate availability in changing conditions. Supply chain and logistics resilience is the delivered result. All of these add up to one, much bigger result: value. At the end of the day, we measure our success by our ability to deliver unmatched value to all our customers.



POE Culture

POE July Team Trip, Follow Us, Let's Go!

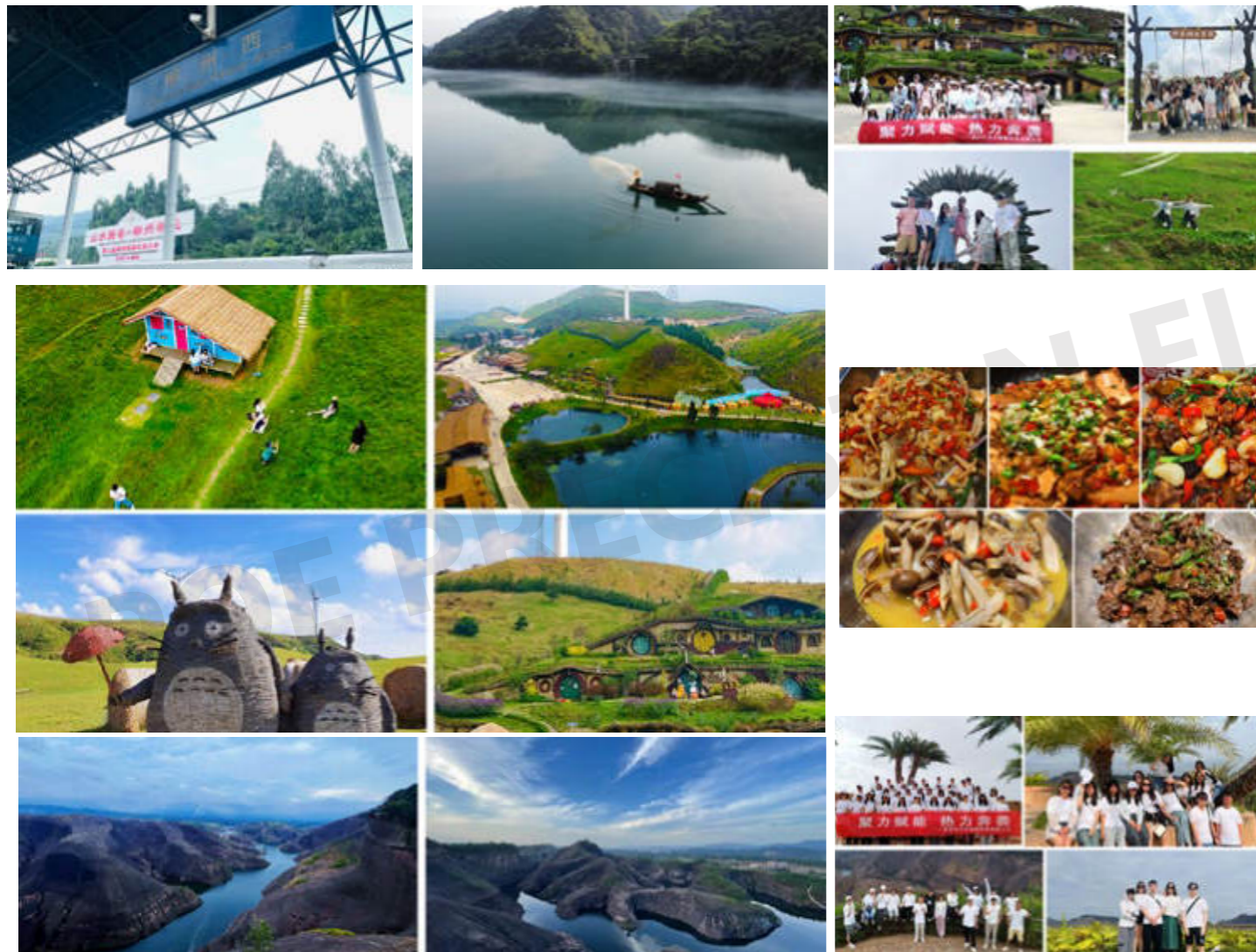
Chenzhou, Hunan, the destination for POE team! Located in the south of Hunan Province, Chenzhou is known as the southern gate of Hunan, with unique natural landscape and unique humanistic features.

We're running across the prairie, taking pictures in front of a cluster of unique huts, watching fishes play in the lake, not to mention feeding the cute deer and alpacas~

Have you ever seen foggy river in the morning? Like a dream, like a fairyland on earth! Let's come to XiaoDongJiang River at 6a.m., Hey, the industrious fishermen come early with their boats to catch fish!

Of course, there are also many delicious food.

A team with energy and happy working environment are always ready to have job done well and serve every customer orders!



POE Birthday Party in August!



POE TREND

Date:18 July to 05 Aug

POE visited 12 different companies and factories in USA, to strengthen mutual trust and support with our distinguished customers from New York,Boston,Los Angles, Phoenix and San Jose. We truly appreciate the support and hospitality from the team of customers and Looking forward to greater cooperation in the near future!

01

POE Visit Customer in USA



02



The use of **nitrogen welding furnace** is mainly to enhance welding quality, so that welding occurs in environments with very low oxygen content (100PPM), which can avoid oxidation problems of components. Therefore, the main problem with nitrogen welding furnaces is to ensure that the lower the oxygen content, the better. The control of oxygen content for users is mainly to ensure the purity of the nitrogen gas source. Generally, the purity of industrial nitrogen can reach 5PPM. The oxygen content in the furnace is mainly related to the sealing design of the furnace. Due to air leakage from the inlet and outlet plates on both sides of the furnace body, the oxygen content on both sides will be higher than that in the middle zone of the furnace body.

The nitrogen welding furnace is filled with nitrogen gas in the welding furnace to prevent air from entering the furnace and prevent oxidation of the component feet in the welding furnace. With the high assembly density and Fine pitch assembly technology, nitrogen filled welding furnace processes and equipment have emerged, improving the quality and yield of welding furnaces, and have become the development direction of welding furnaces. The nitrogen welding furnace has the following advantages:

- (1) Prevent and reduce oxidation
 - (2) Improve welding wetting force and accelerate wetting speed
 - (3) Reduce the generation of solder balls, avoid bridging, and achieve better welding quality
- Comparison between nitrogen welding furnace and air welding furnace

POE work on improving product quality to increase our competitive force, also enable our customer be more competitive in market with high quality and stable products.

New SMT Assembly Line



Exhibition: Global Sources Show

01

Date: October 11-14th, 2023

Address: AsiaWorld-Expo, Hong Kong

Exhibition: ICEE Russia

03

Date: April 23-26th, 2024

EXPOCENTRE JSC

Exhibition: Brno International Exhibition Center

02

Dat: March 19-21st, 2024

Address: Brno, Czech

Exhibition: Electronica 2024

04

Date: Nov 11-14th, 2024

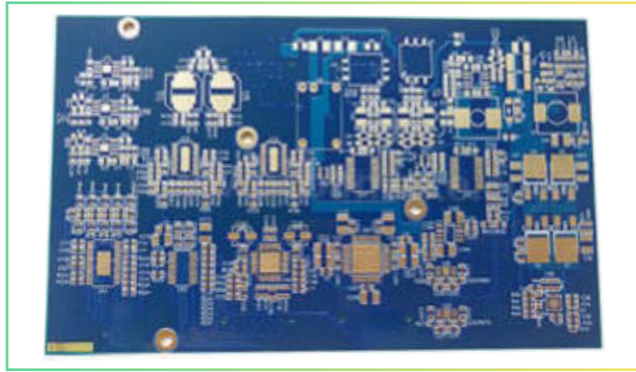
Address: Messe München exhibition center

EMS Service

POE provide one-stop turnkey service from PCB fabrication, Components sourcing, SMT&THT Assembly, Cable assembly, Burn-in/Programming, Function testing, Conformal Coating, Case Assembly!

POE Customer service Principle:

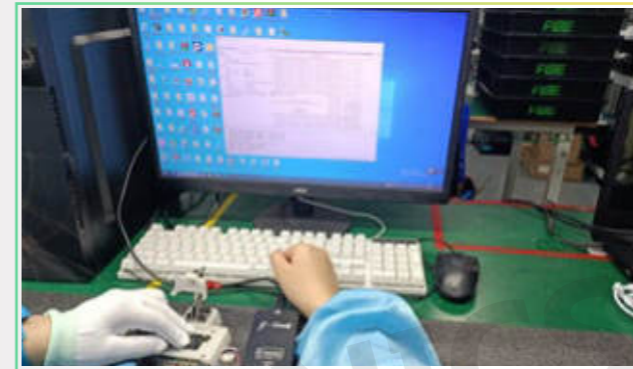
Take customers' urgency as first priority, think before customers when it comes make order done perfect.



PCB



Components



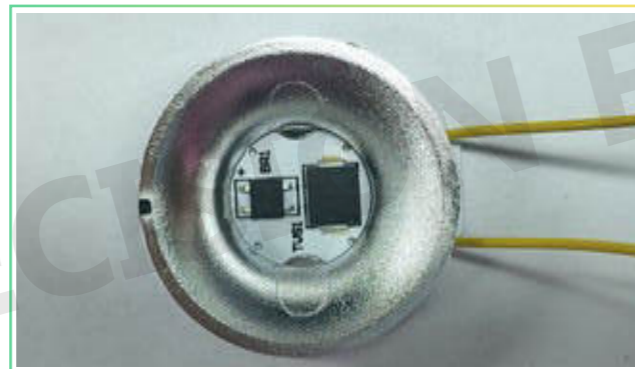
Programming



Functional Testing



SMT



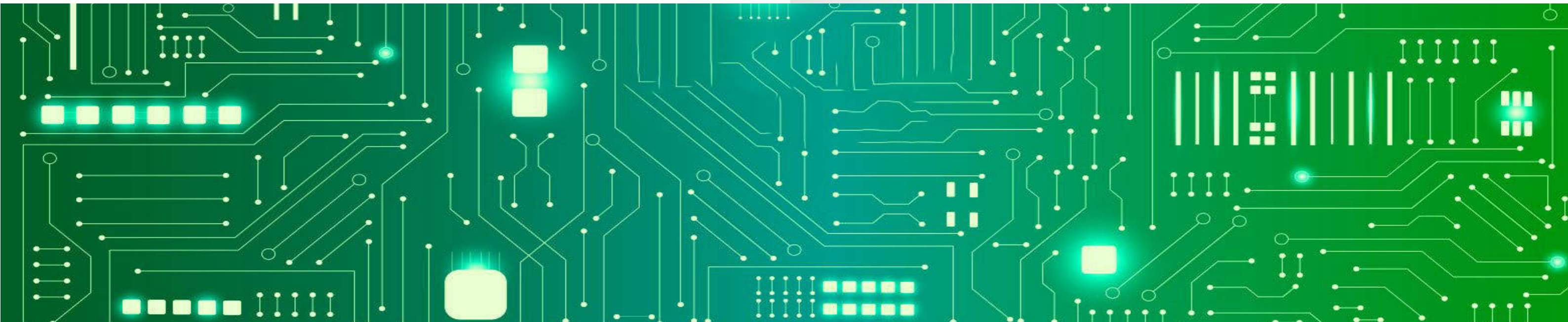
Cable Assembly



Conformal Coating



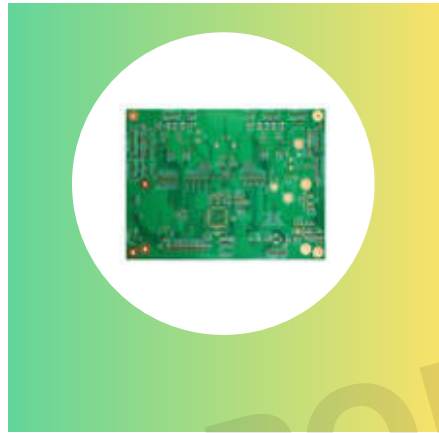
Box Build Assembly



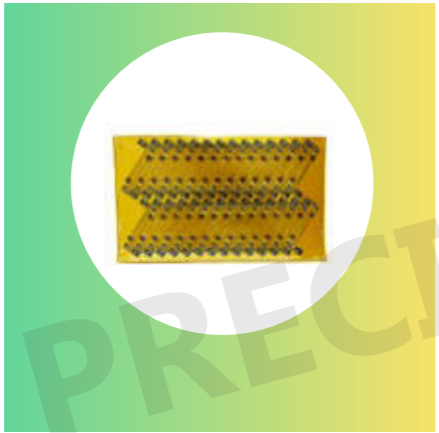
PCB Fabrication

Since 1996, POE has established itself as a World well known Turn-Key PCB assembly company for prototype and low-to-mid volume PCB fabrication and assembly services.

Our PCB manufacturing capabilities enable us to produce a wide range of products, We can make any printed circuit board you can think of including HDI PCB, Multilayer PCBs (up to 40layers),High-tech PCB, Thick Copper PCB, Halogen PCB as standard options, and more special PCBs such as Flex-Rigid PCB, aluminum PCB and Rogers PCB.



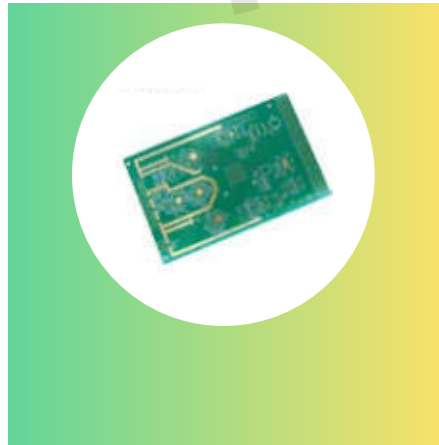
Rigid PCB



Flexible PCB



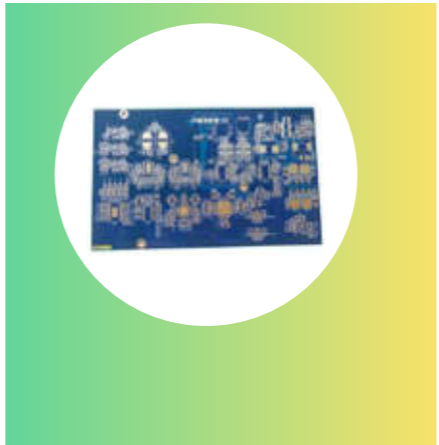
Rigid-Flex PCB



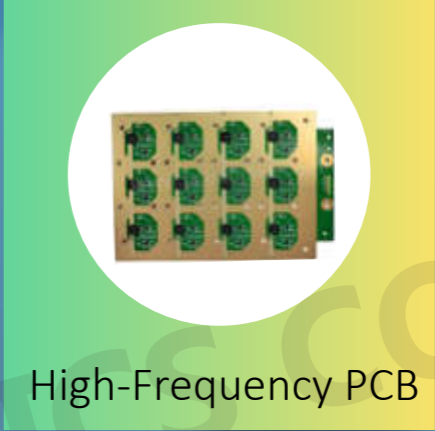
HDI PCB



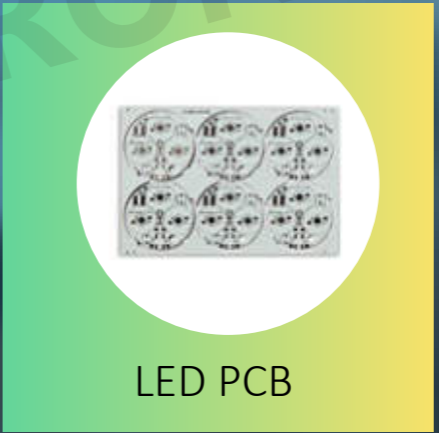
Aluminium PCB



Thick Copper PCB



High-Frequency PCB



LED PCB



High-TG PCB



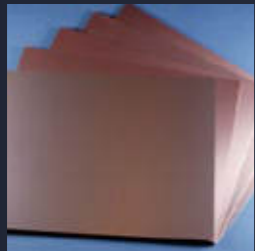
Ceramic PCB



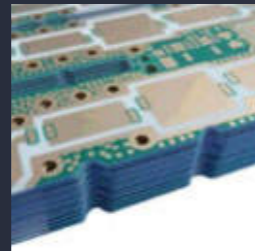
Halogen-Free PCB

Rogers PCB

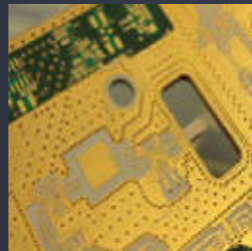
Rogers PCB is a type of high-frequency board that raw material is produced by Rogers company. It is different from the conventional PCB board—epoxy resin (FR4). It has no glass fiber in the middle and uses a ceramic base as the high-frequency material. Rogers has superior dielectric constant and temperature stability.



Rogers
TMM10



Rogers
4350B



Rogers
2000



Rogers
3006



Rogers
4003C



Taconic
RF-35



PRECISION



Application

For more than 20 years, we won praises from customers all over the world with our professional product technology and high-quality service. POE has been dedicated to manufacturing and supplying of high quality printed circuit boards which are widely used in many industries such as automotive, communication, medical equipment, industrial, aerospace, power and instrumental industries, LED products, consumer electronics and so on.



Medical



Smart Home



Robot



Drone



Telecommunication



IOT



New Energy Automobile



Industrial Control

NEW PRODUCTS

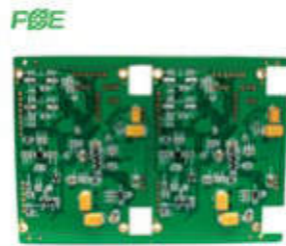


With Imported State-of-the-Art fully automatic production machines and our professional international sales team, purchasing team and engineering team, we are able to offer our customers low-cost and one-stop PCB Assembly Services.



PCBA Equipment

POE continually reinvests in the very latest technology and equipment based on customer demands and industry trends.



Pick & Place Machine



Pick & Place Machine



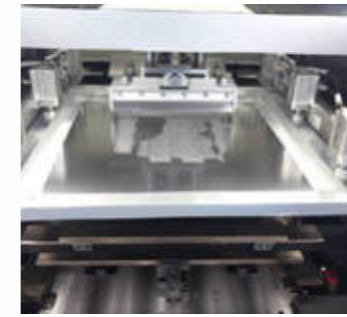
Manual Visual QC



Reflow Soldering



Automatic Solder Paste



Automatic Solder Paste



AOI



Automatic Printing Machine



Wave Soldering



Reflow Oven



Pick & Place Machine



Plate Washer

8Layer PCB

Material: FR4

Finish Treatment: ENIG

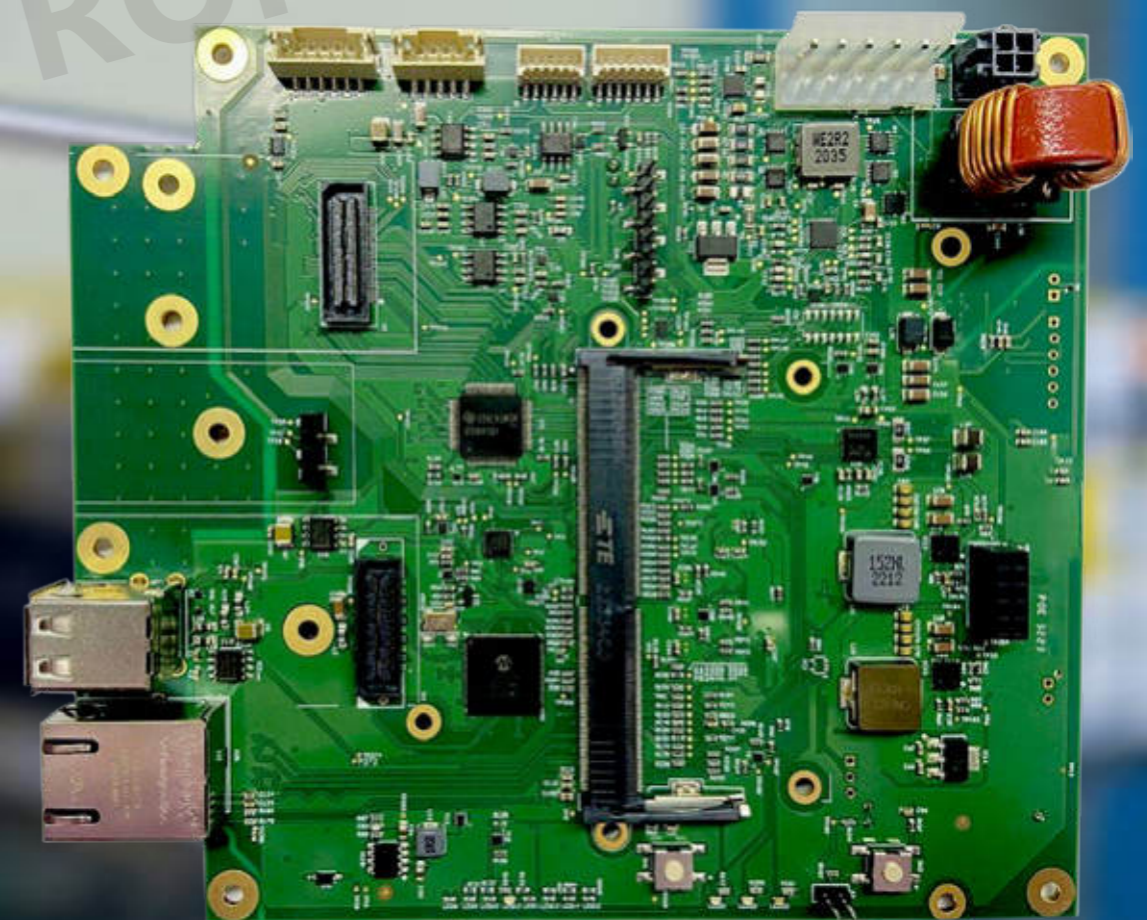
Board Thickness: 1.6MM

Areas of Application :

Medical Device

Over 150 Type

Components on PCB



POE PRECISION ELECTRONICS CO.,LTD

4 Layer PCB

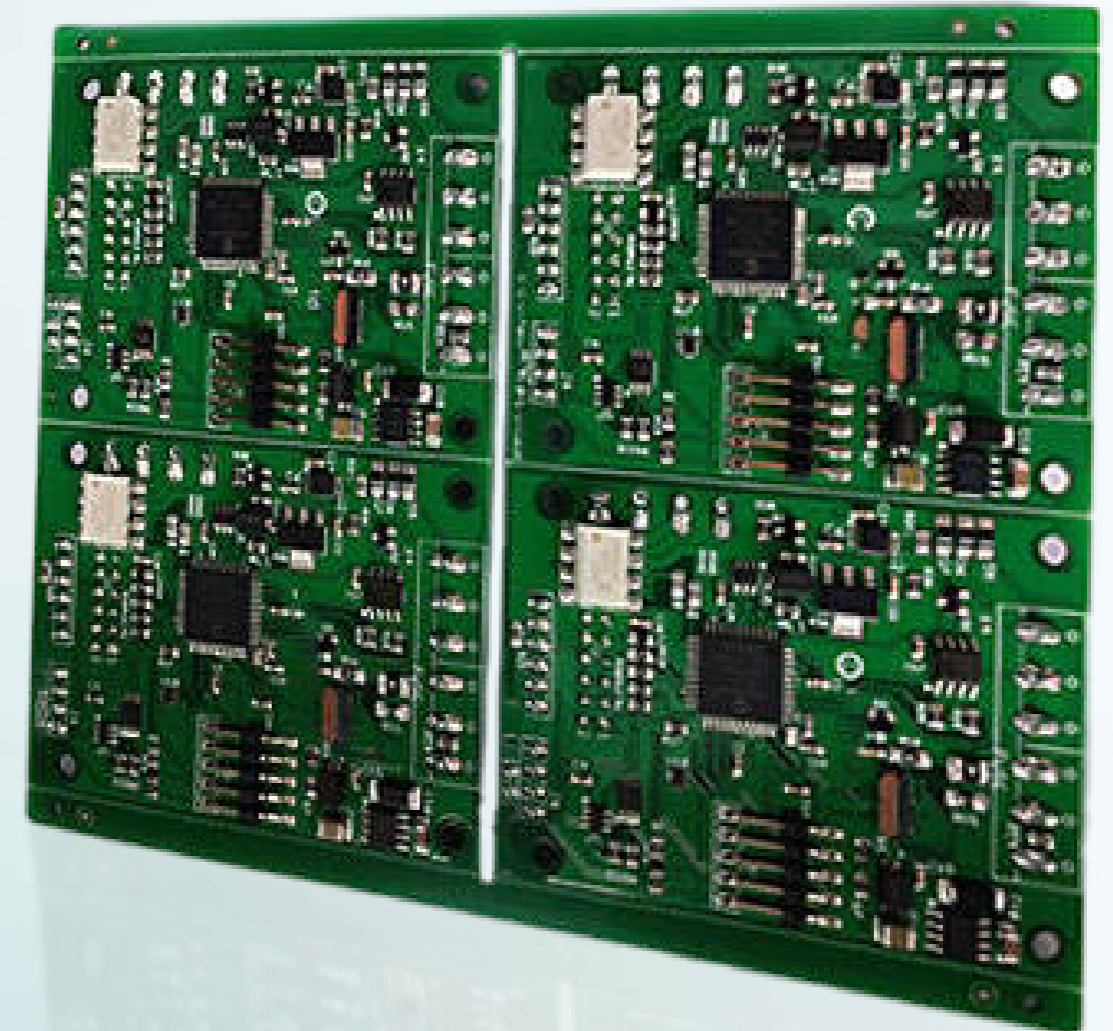
Material: FR4 TG 150

Copper Thickness: 10Z

Board Thickness: 1.6MM

Silkscreen: White

Areas of Application: RF&Wireless





4 Layer PCB
Material: FR4
Finish Treatment: ENIG
Copper Thickness: 1OZ
Board Thickness: 1.6MM



Areas of Application :
Consumer Electronics



PRECISION ELECTRONICS CO., LTD

8 Layer PCB

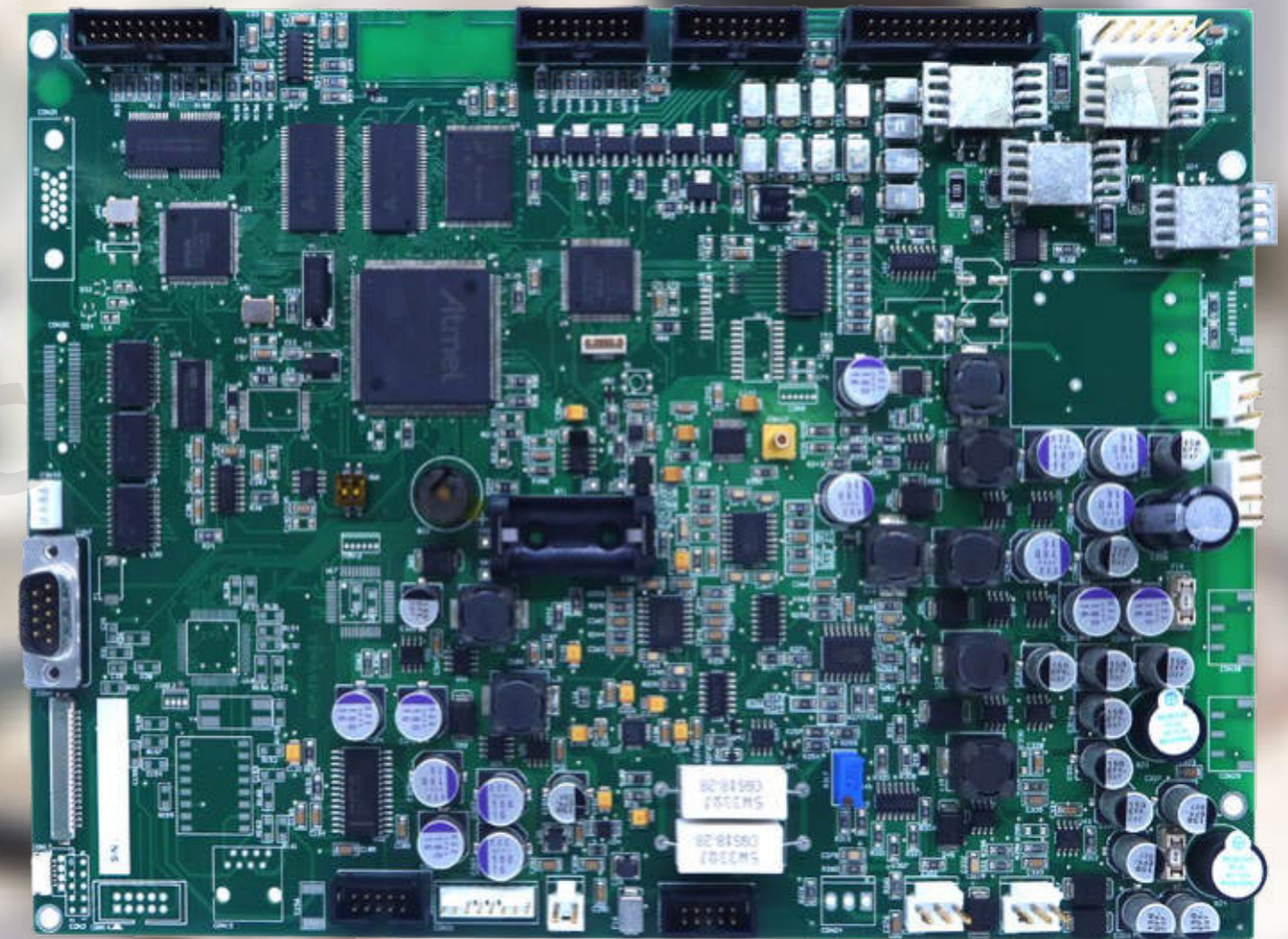
Material: TG150

Finish Treatment: Immersion Gold

Board Thickness: 1.5MM

Areas of Application :

Medical Device



4 Layer PCB

Material: FR4

FinishTreatment:ENIG

Copper Thickness: 10Z

Board Thickness: 1.6MM

Silkscreen: White

Areas of Application: Automobile

Material:TU-872

Vibration Test



8Layer PCB

Material: FR4

Finish Treatment: ENIG

Copper Thickness: 10Z

Board Thickness: 1.6MM

Burn-in & Function Testing

