



2023

POE
POE Manufacturing
Your Global Technology Partner

Office:

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

Factory:

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

■ E-mail: sales@poe-pcba.com
orders@pcbamake.com
sales@chinapcsmt.com

■ TEL: 0755-25312250

2023

WEB1: www.poe-pcba.com

WEB2: www.chinapcsmt.com

WEB3: www.pcbamake.com

智领全球
电子核心
科技

WISDOM LEADS GLOBAL
ELECTRONIC CORE TECHNOLOGY

1-40 LAYERS

One Stop Contract Manufacturing Facility

March-April

**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

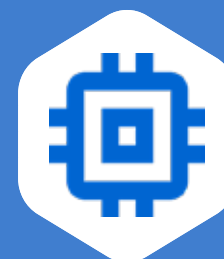
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At POE, we strive to provide the most satisfied production service and to be your long term "Partner Of your Electronics". With over 200 diverse, talented and dedicated employees across 5 locations in 4 countries, our vision is to be the most technologically 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.



COMPANY PROFILE



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 mental case packaging, 3D case, glue coating and final products ICT test . Managing 700, 000+ parts across more than 200 suppliers provide 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.

EXHIBITION

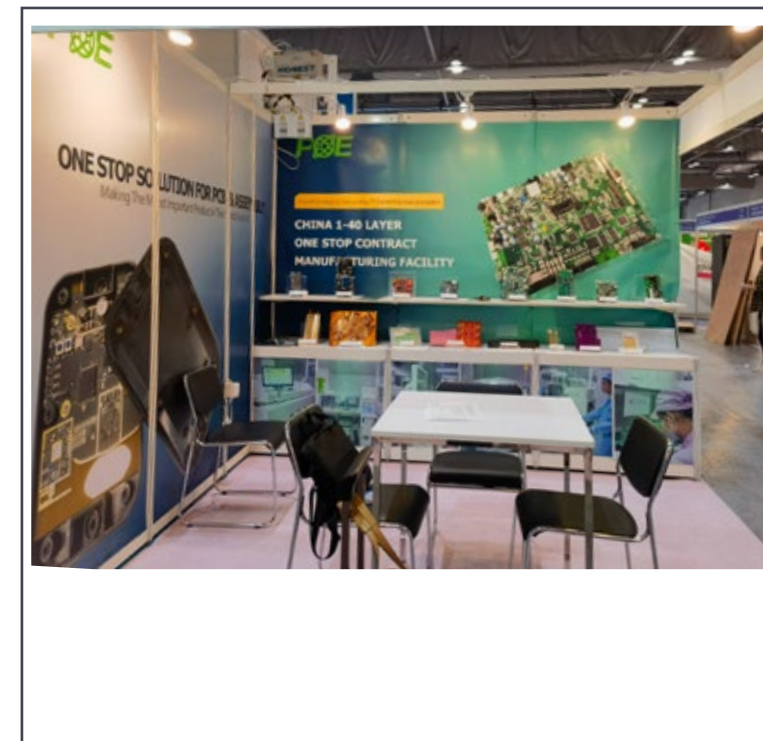
Warm celebration to POE exhibition with great success at Global Sources Consumer Electronics & Components at AsiaWorld-Expo, HK on April 11-14,2023.

POE team treated every customer with customer centric attitude from all over the world, together with thousands of outstanding business partners in the electronics industry. POE answered customers' questions carefully and helped to promote their projects progress. Besides, POE shared live online throughout the show.



POE exhibited over 80 items in the booth.

Various PCBA samples from fields including led product, aerospace equipments, wireless telecommunication devices, industrial equipments and medical devices. Also, different PCBs were displayed, such as FR4, aluminum, flexible, rigid-flex, RF rogers and so on, which were great attractions to all coming visitors.

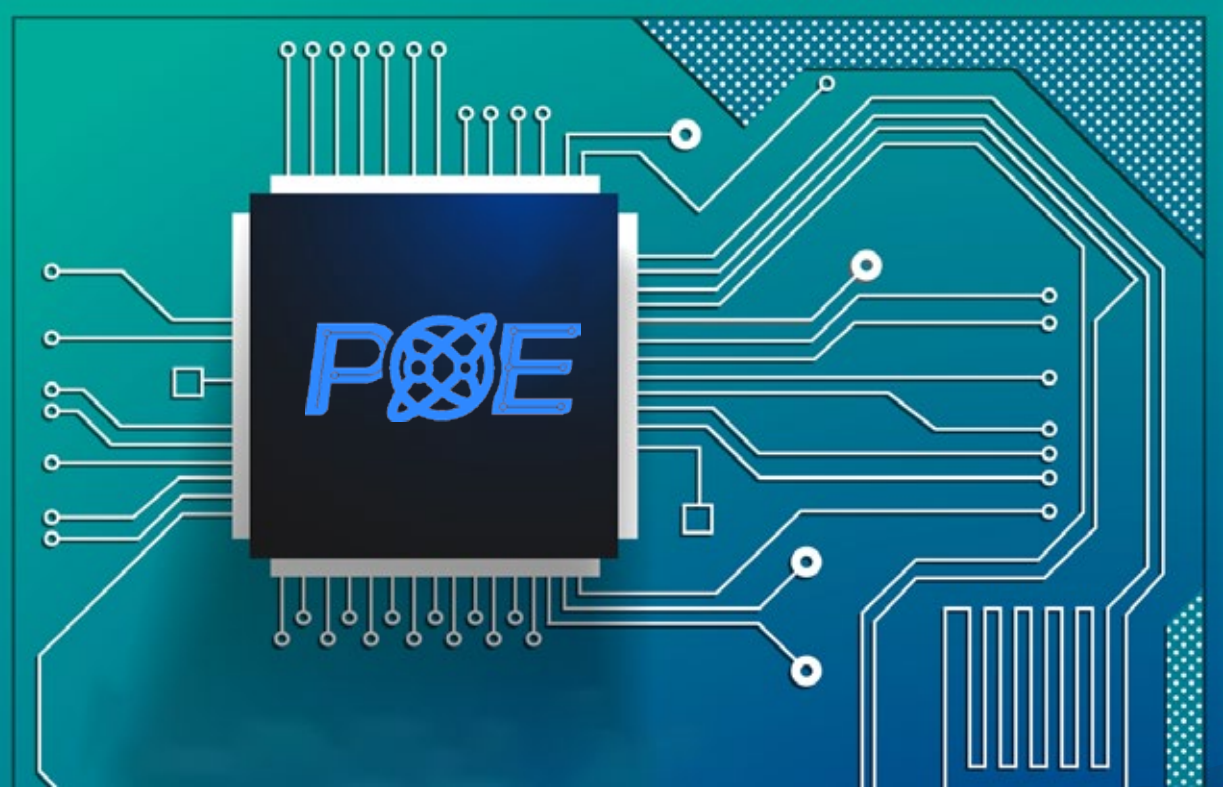


POE provided valuable face-to-face technical advice on PCB and assembly to our current and potential customers. With professional skill and best services, we were honored to meet over hundreds of visitors in our booth and had nice talking there.

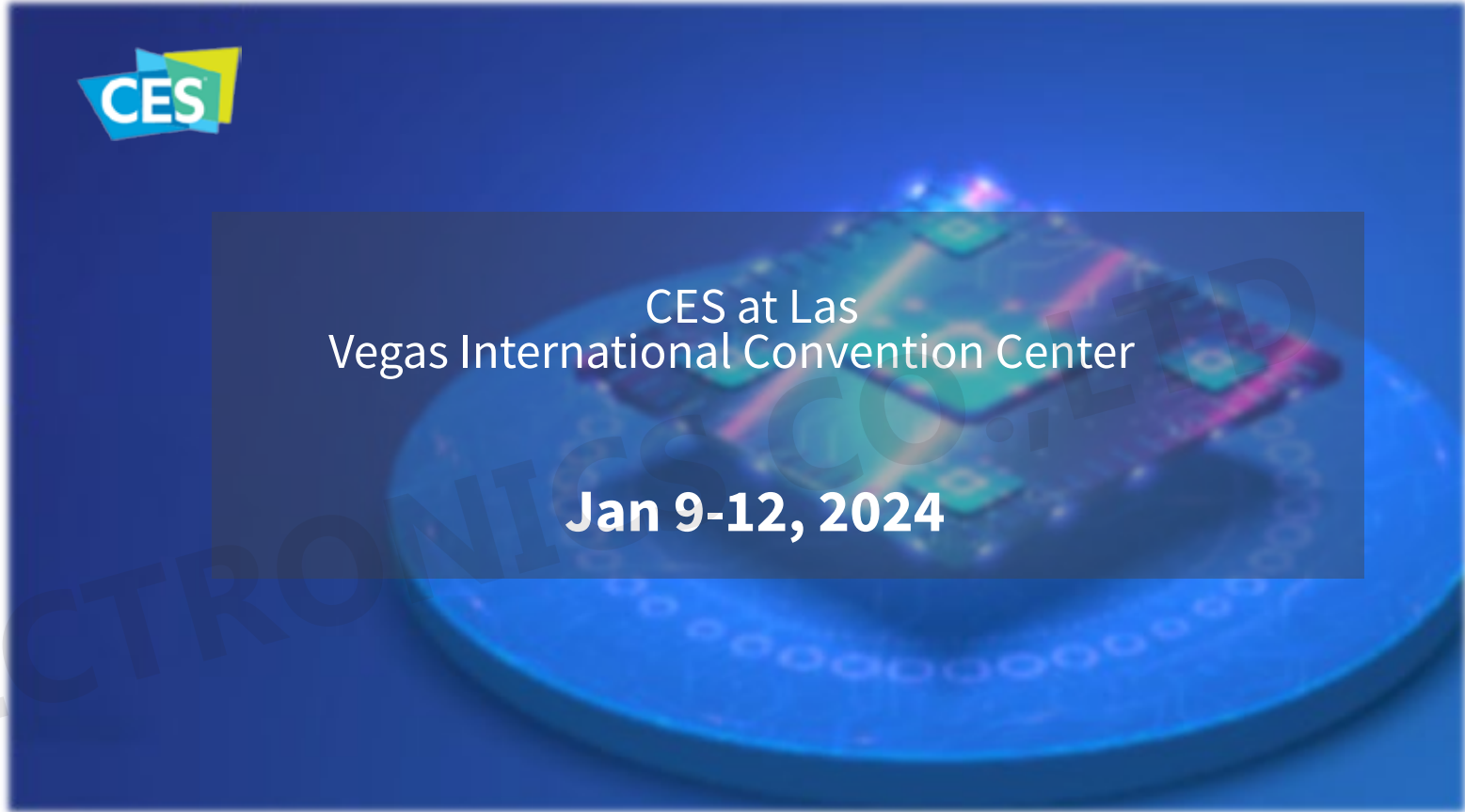
Here are more than 4000 booths of the latest consumer electronics, security products and electronic components and other popular products. POE is happy to be there to show our products and service, and we are glad to meet with customers from different countries with different pcb production demand. We thank all visitors at the booth for the great conversations and look forward to the next time meeting.



POE Exhibition Plans



Global Sources Consumer Electronics & Components
at AsiaWorld-Expo, HK
Oct. 11-14, 2023



CES at Las Vegas International Convention Center
Jan 9-12, 2024



Electronica at Munich Exhibition Center
Nov 11-11, 2024

CUSTOMER VISIT

POE welcomes all new customers come to visit our factory plant and coach the work. In the first quarter of 2023, more than 20 customers visited POE plant. It is more convenient and fast for you to have a comprehensive understanding of POE production capability, profession, and customers service.

POE welcomes all regular customers come to visit our new production line and witness our growth. It is a great opportunity to have a face-to-face talk, and further discuss the collaboration in the next years. Besides, more and more engineers come to our factory for OEM testing project. We can support a turnkey service including firmware programming, function testing and final case assembly. Thanks for your support and cooperation.



POE SERVICES & APPLICATIONS

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

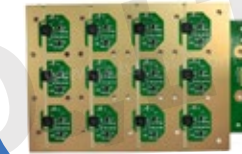


Aluminium PCB



Thick Copper PCB

● PCB Fabrication



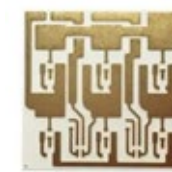
High-Frequency PCB



LED PCB



High-TG PCB



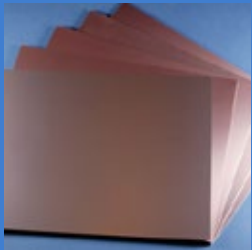
Ceramic PCB



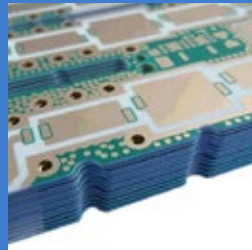
Halogen-Free PCB

Rogers PCB

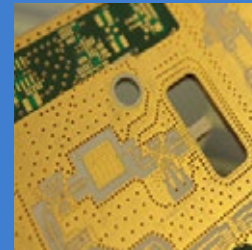
Rogers PCB is a type of high-frequency board that raw material is produced by Rogers company. It is different from the conventional PCB board—epoxy resin (FR4). It has no glass fiber in the middle and uses a ceramic base as the high-frequency material. Rogers has superior dielectric constant and temperature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



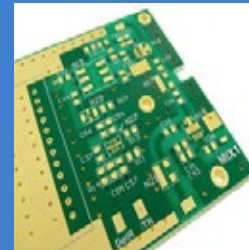
Rogers
TMM10



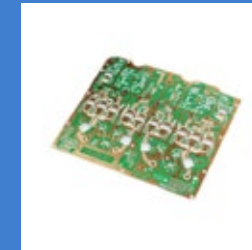
Rogers
4350B



Rogers
2000



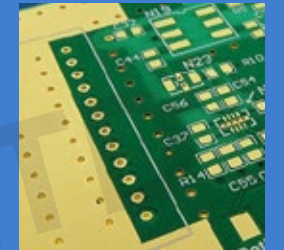
Rogers
3006



Rogers
4003C



Taconic
RF-35



Arlon
25FR



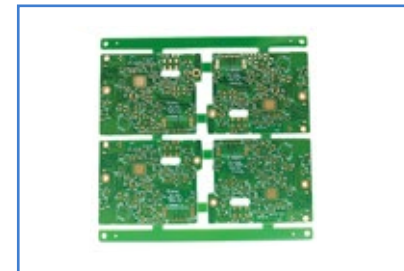
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PCB Assembly

With years of experience in PCB manufacturing and PCB assembly, POE provides flexible manufacturing options that adapt to cost targets, delivery requirements and fluctuating demands in volume. We cover a range of one-stop PCB Assembly services such as:

- Quick turn PCB assembly manufacturing
- Low to high volume surface mount and through-hole PCB assembly
- 01005s, BGA, uBGA, CCGA CSP and Flip Chip
- 0.4mm Fine Pitch Devices
- Prototype and pre-production electronic assembly
- Surface Mount Technology (Paste and Epoxy)
- Encapsulation and conformal coating of PCB assemblies
- Lead-Free assembly
- Intrusive reflow
- Press fit
- Wave/Selective wave soldering
- Double/Single-sided reflow processing
- Rework and repairs (Fine Pitch QFP, Area Array Packages)
- Functional, electrical, and in-circuit testing

Value Added Service



PCB



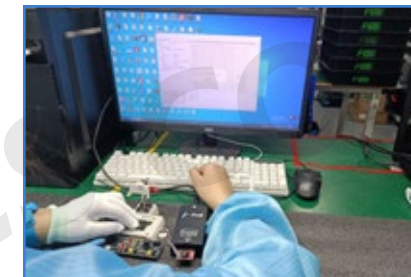
Components



SMT



Cable Assembly



Programming



Functional Testing



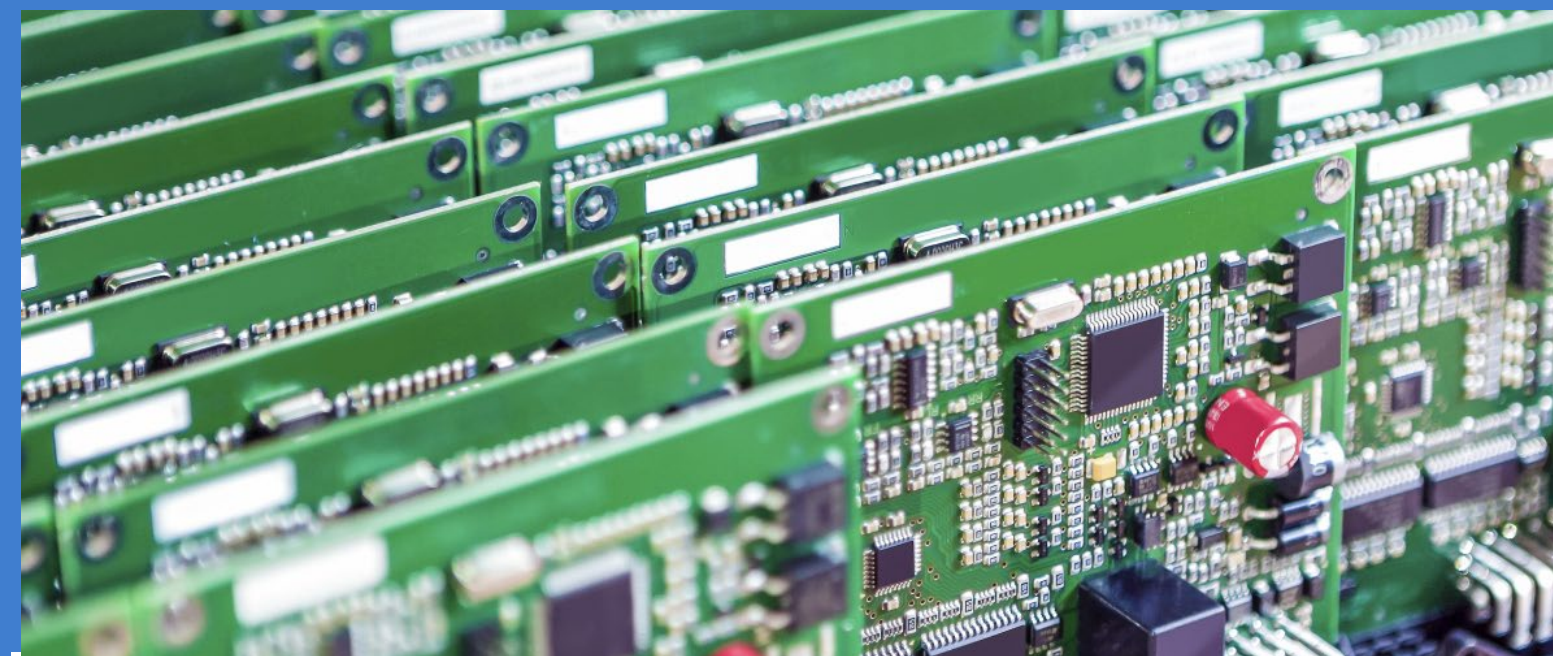
Conformal Coating



Box Build Assembly



Custom Box



Application

For more than 20 years, we have 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



Communication



IOT



New Energy Automobile



Industrial Control

NEW PRODUCTS



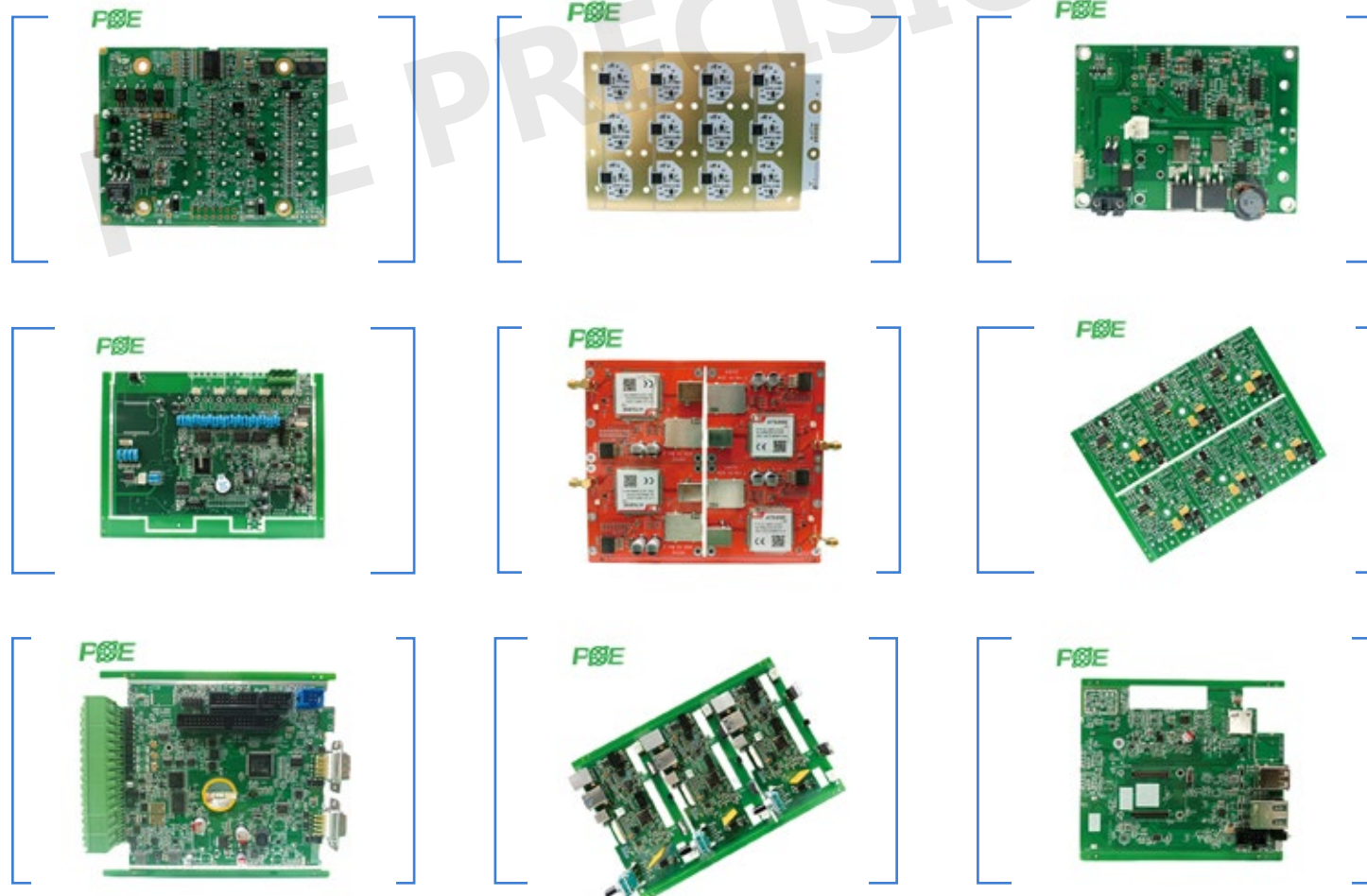
With Imported State-of-the-Art fully automatic production machines and our professional international sales team, purchasing team and engineering team, we are able to offer our customers low-cost and one-stop PCB Assembly Services.



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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



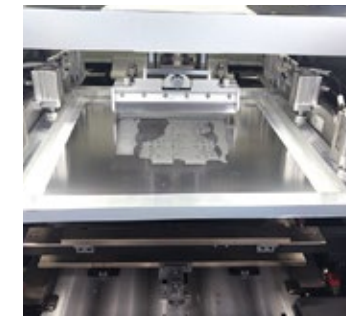
Manual Visual QC



Reflow Soldering



Automatic Solder Paste



Automatic Solder Paste



AOI



Automatic Printing Machine



Wave Soldering



Reflow Oven

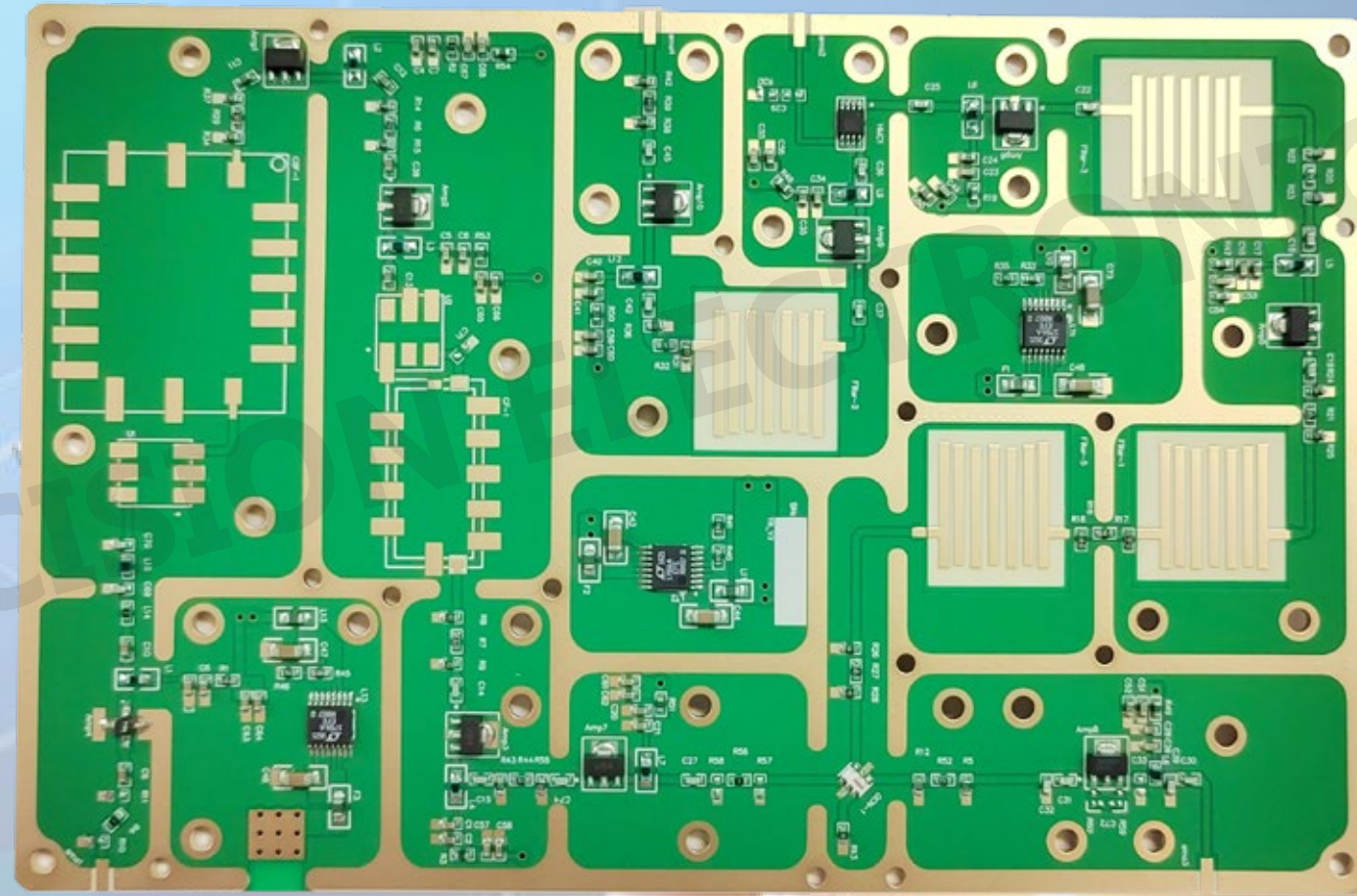


Pick & Place Machine

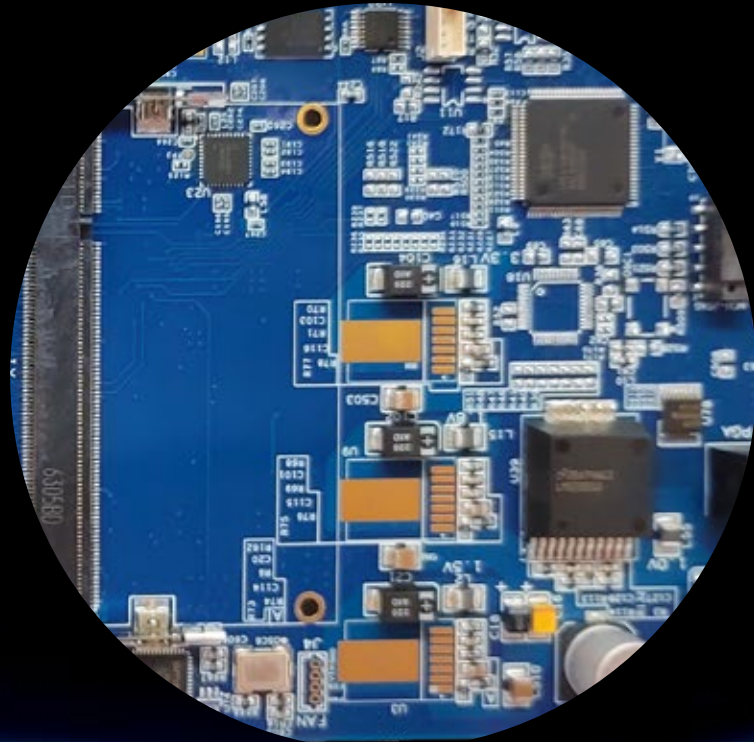


Plate Washer

4 Layer PCB
Material: Rogers 4350B
Finish Treatment: ENIG
Copper Thickness: 10Z
Board Thickness: 0.6MM



PRECISION ELECTRONICS CO., LTD



12 Layer PCB

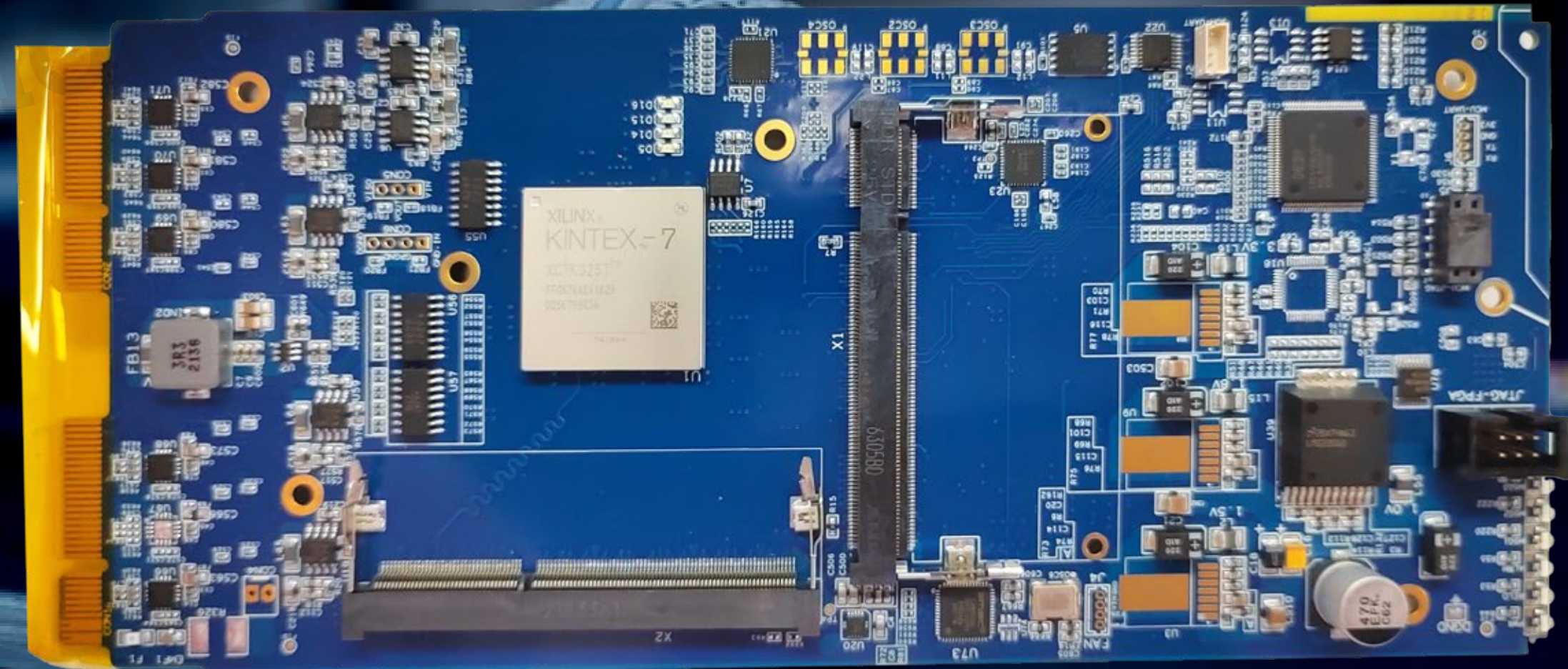
Material: FR4 Shengyi TG170

Finish Treatment: ENIG+Gold Finger

Copper Thickness: 10Z

Board Thickness: 1.6MM

Impedance Control



RF-B

AF-B

CH 071
FREQUENCY
705

G B

CH 071
FREQUENCY

G A



6 Layer PCB

Material: FR4

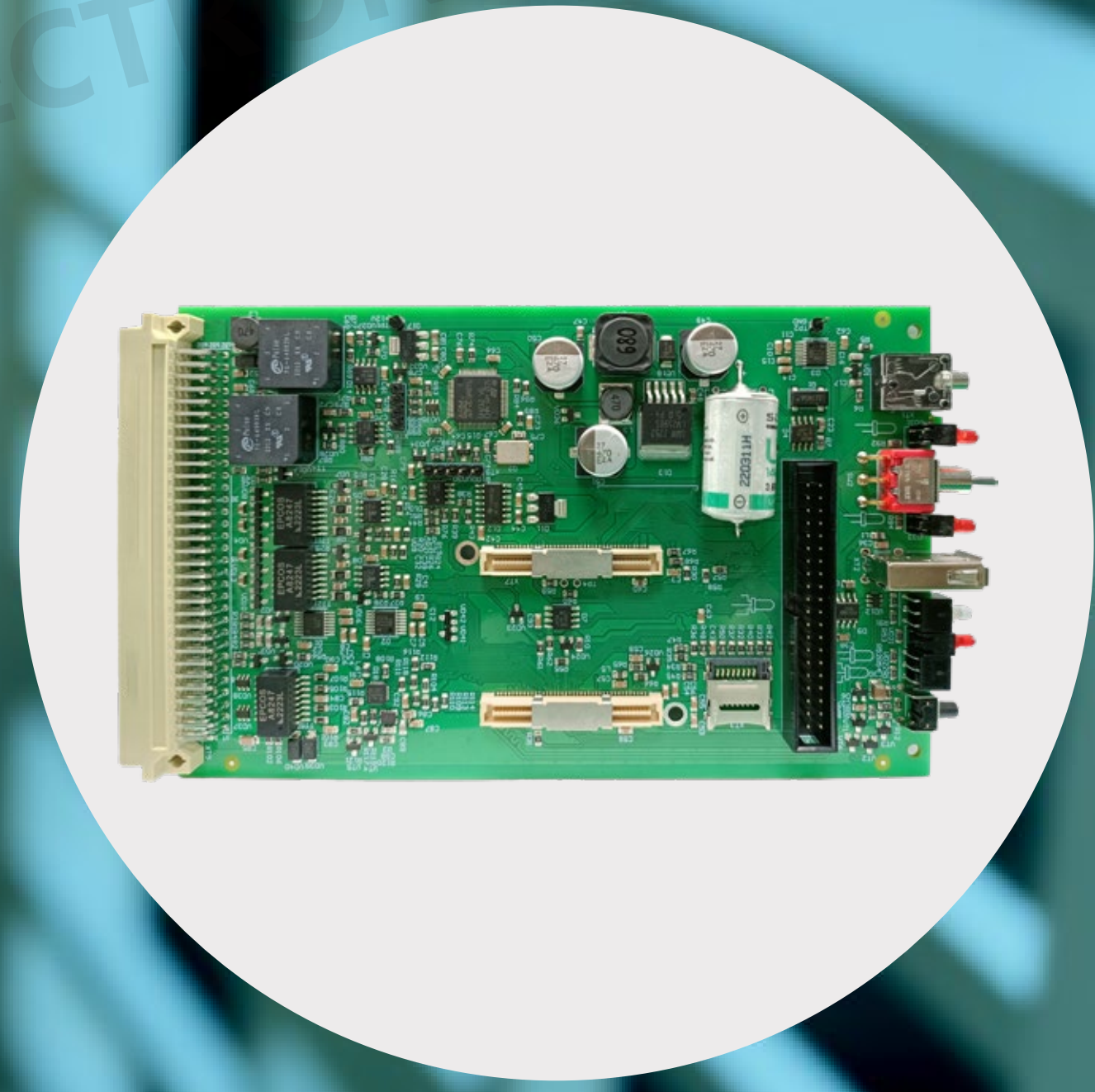
FinishTreatment: Lead Free HASL

Copper Thickness: 1OZ

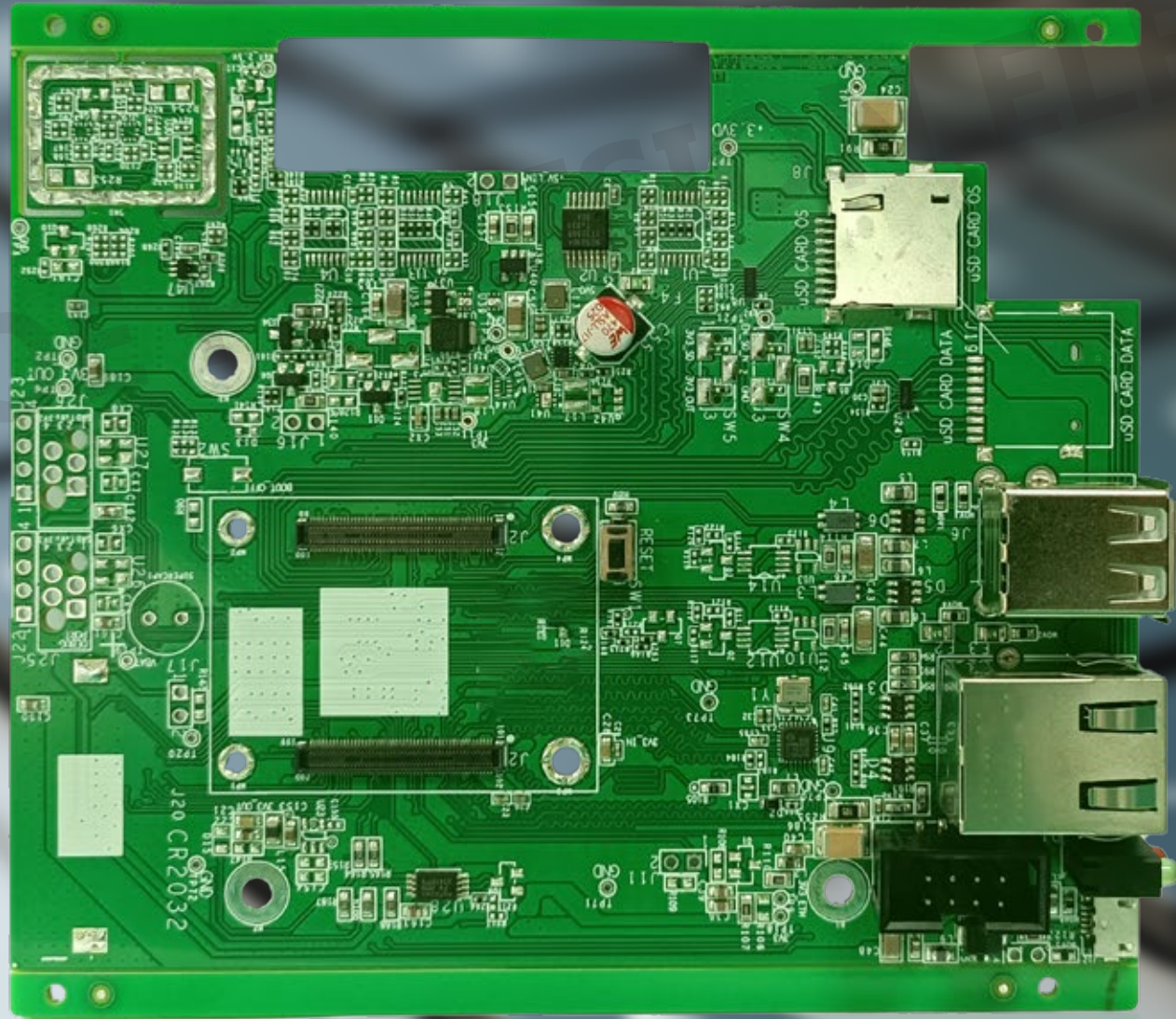
Board Thickness: 1.6MM

Solder Mask: Green

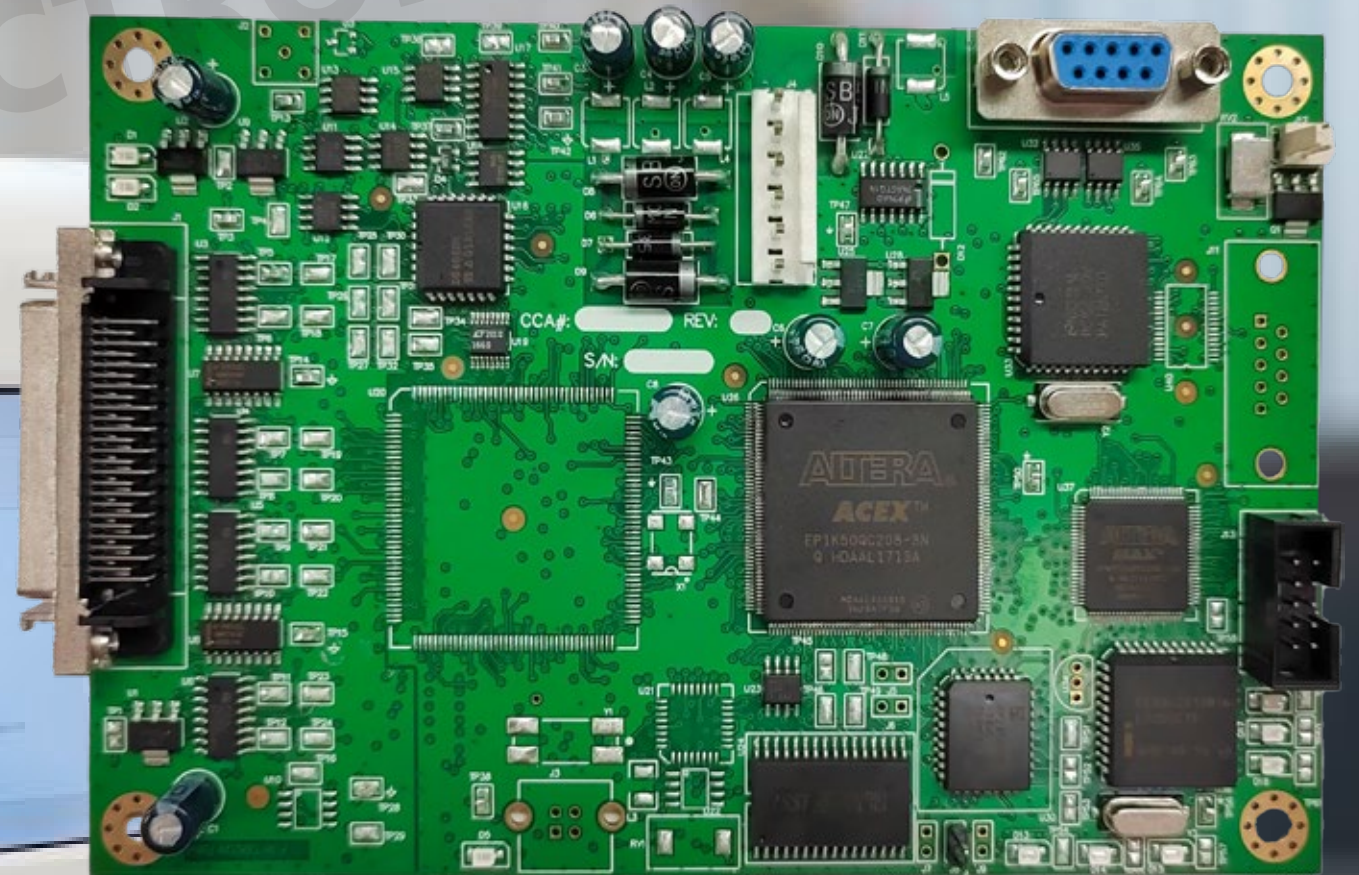
Silkscreen: White



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



8 Layer PCB
Material: FR4
Finish Treatment: ENIG
Copper Thickness: 10Z
Board Thickness: 1.6MM



ON ELECTRONICS CO.,LTD

POE Culture

POE places great emphasis on the personal and emotional care of the staff group and holds regular birthday parties every month. Between the confetti, balloons, and cake, office birthday parties offer employees a brief respite from their day-to-day, we enjoy tasty food and the blessing of our colleagues, taking beautiful souvenir photos. Such activities make us feel appreciated and bring staff together, both of which help to form deeper relationships between team members and across the organization.

Happy birthday



01



02



Team Building Trip

To further build the "POE culture" concept, to strengthen the cohesion of the company, Yang-Meikeng, we are coming! Let's fight! With fiery affection, embrace the beautiful Yang-Meikeng. Coast brings us, closer together.

