

20 PCB Wifi BGA
(PCB SMT)

: BGA /

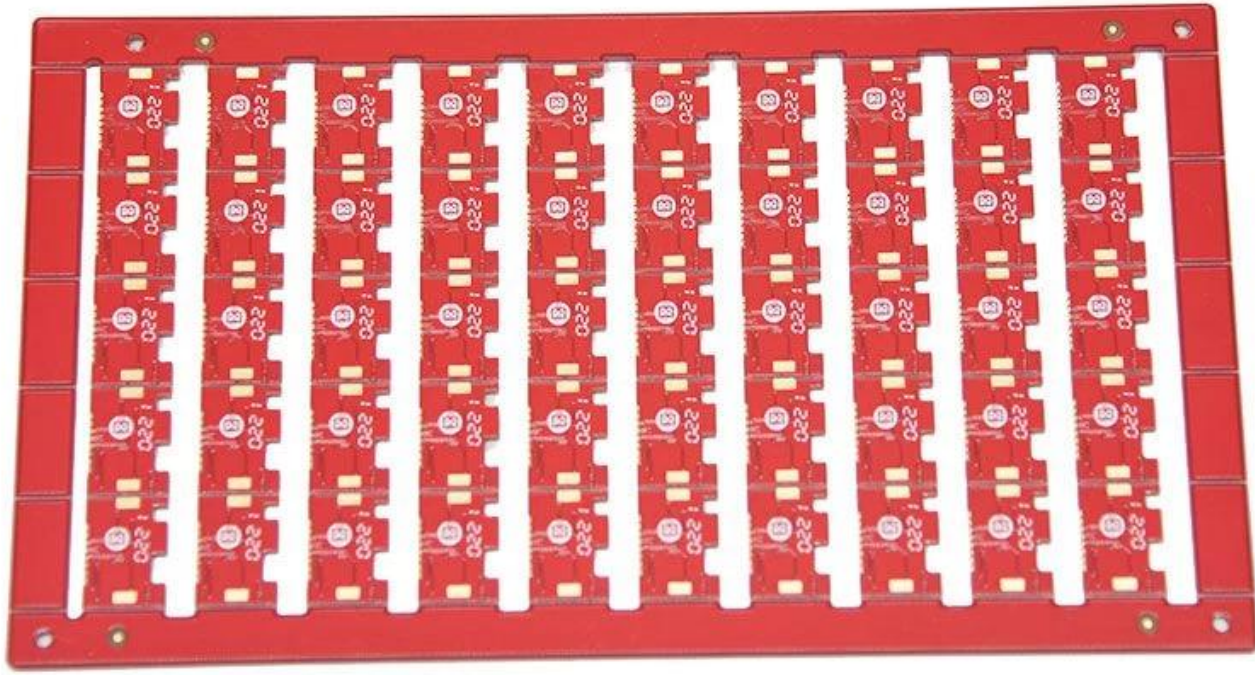


PRODUCT DESCRIPTION

TOP QUALITY PCBA

O-LEADING

To Be Reliable, To Be Valuable

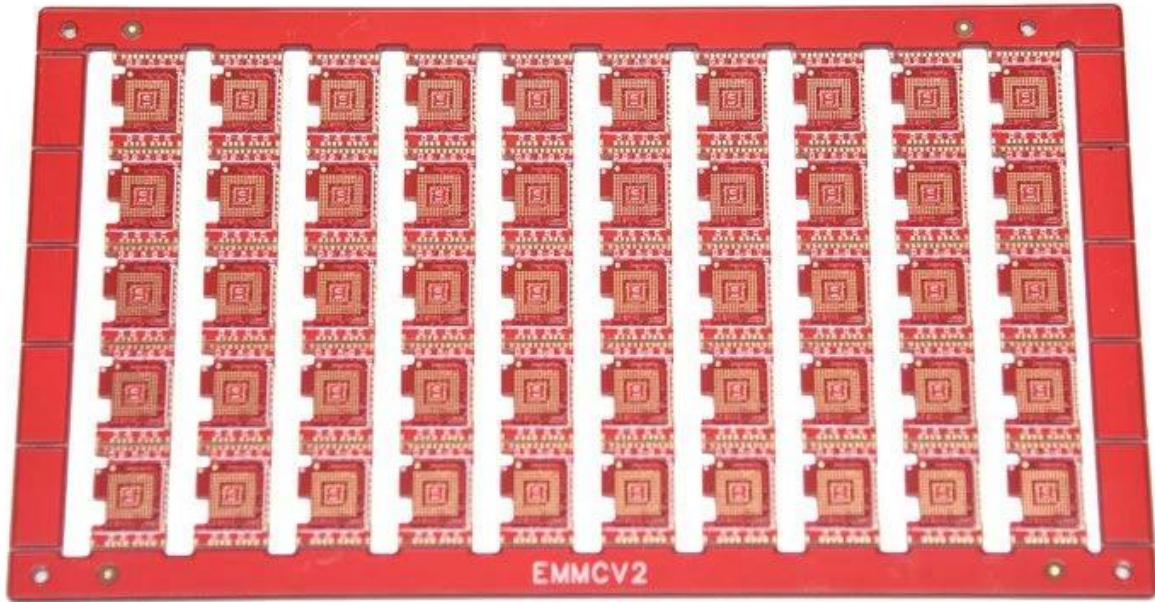


MAKE YOUR IDEA COME TRUE

TOP QUALITY PCBA

O-LEADING

To Be Reliable, To Be Valuable

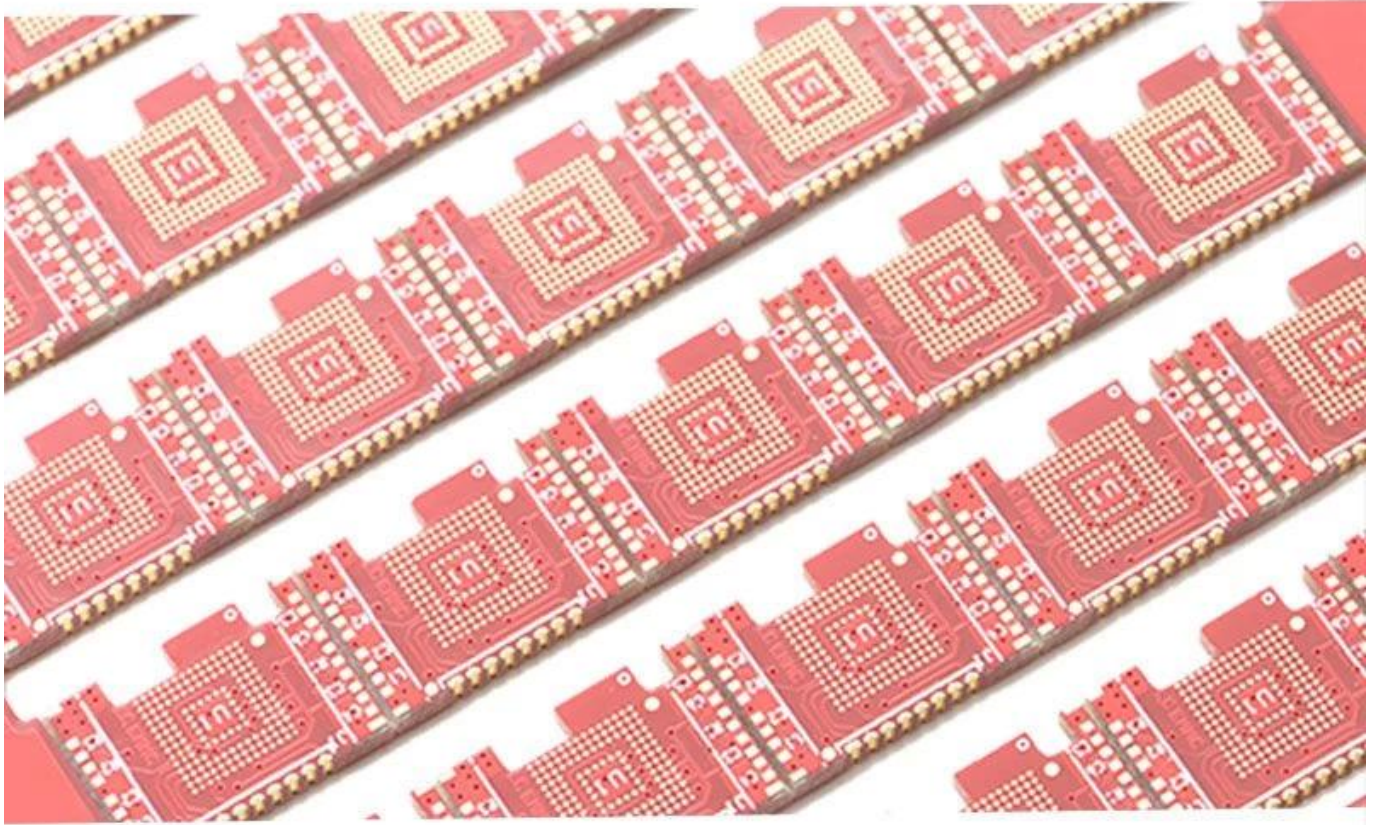


MAKE YOUR IDEA COME TRUE

TOP QUALITY PCBA

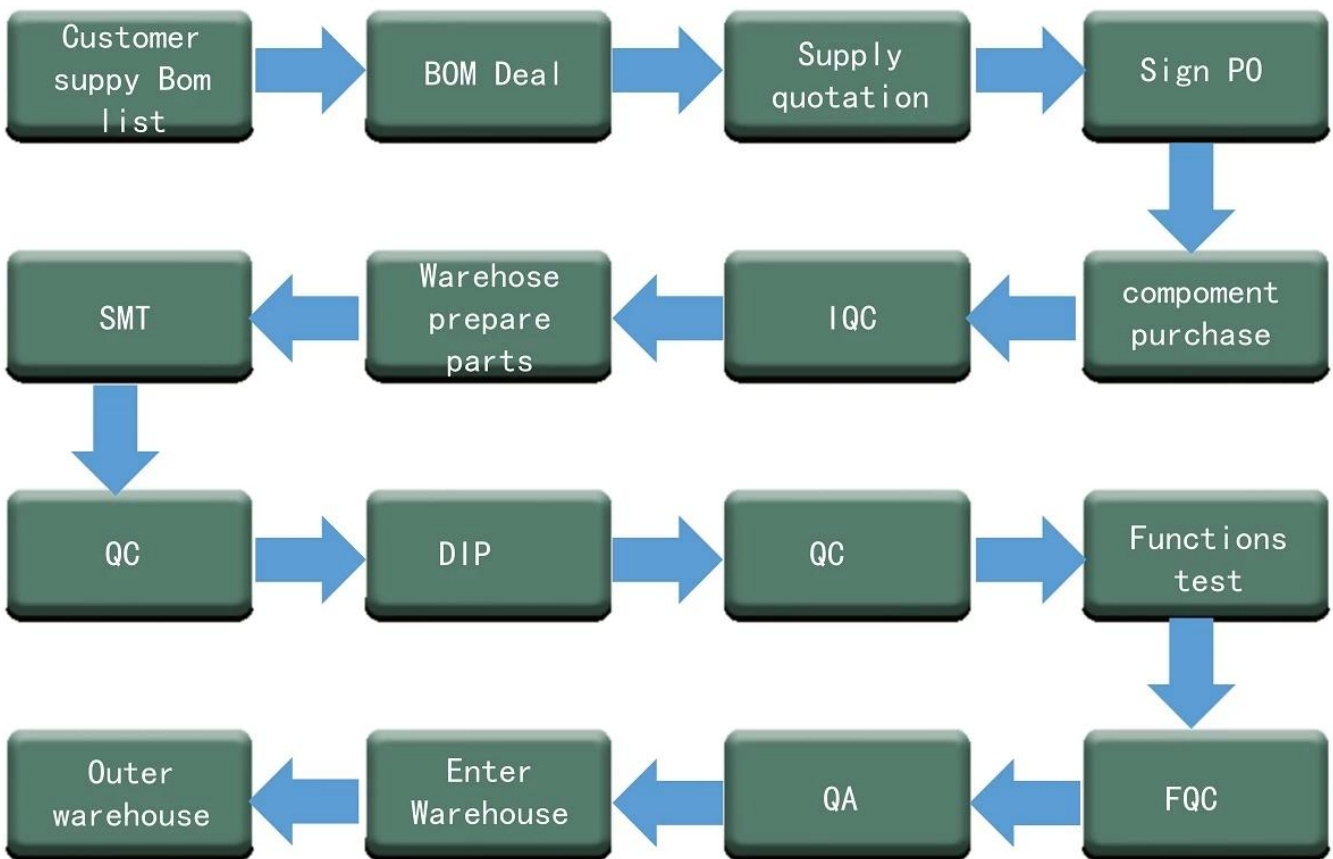
O-LEADING

To Be Reliable, To Be Valuable

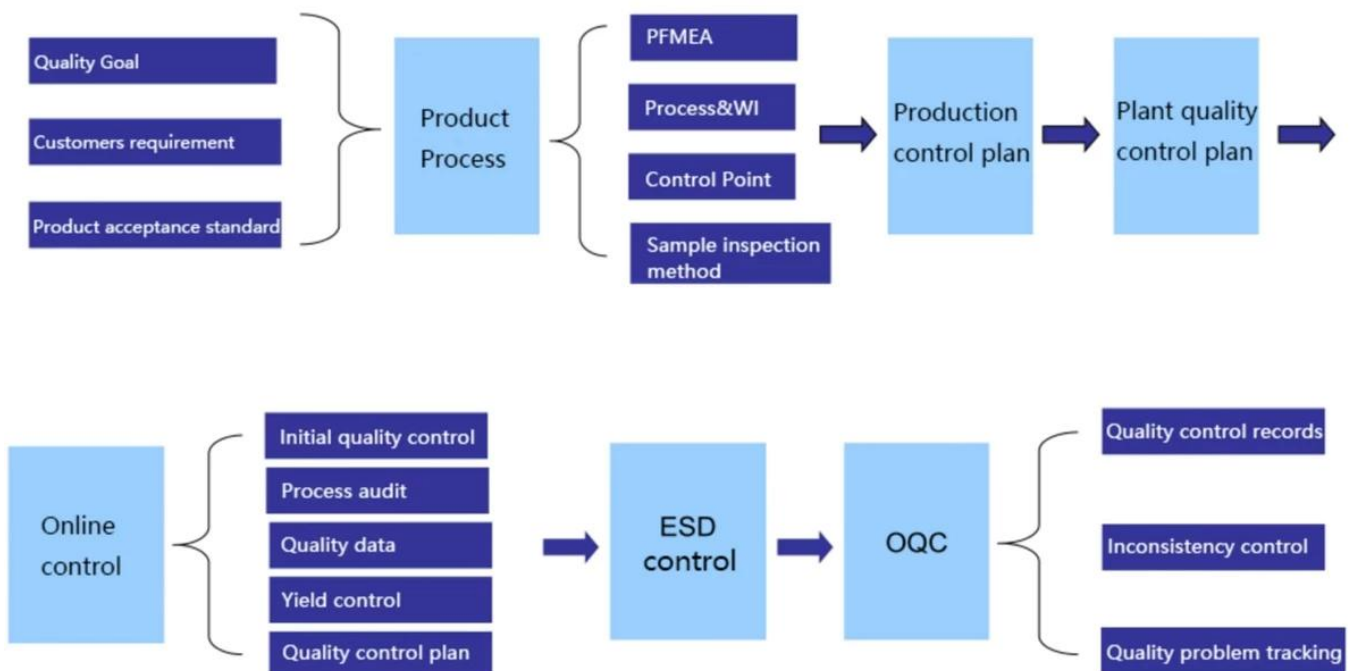


MAKE YOUR IDEA COME TRUE

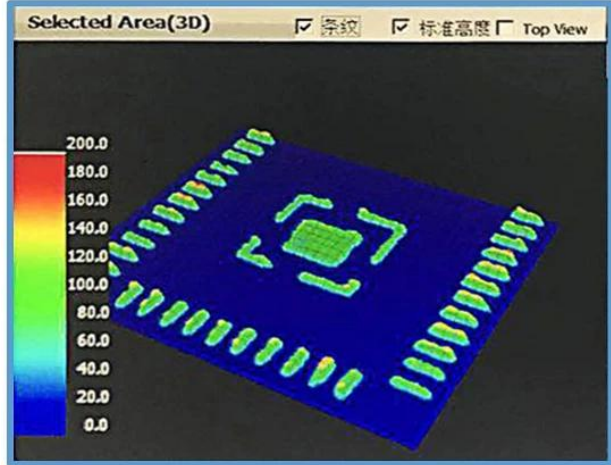
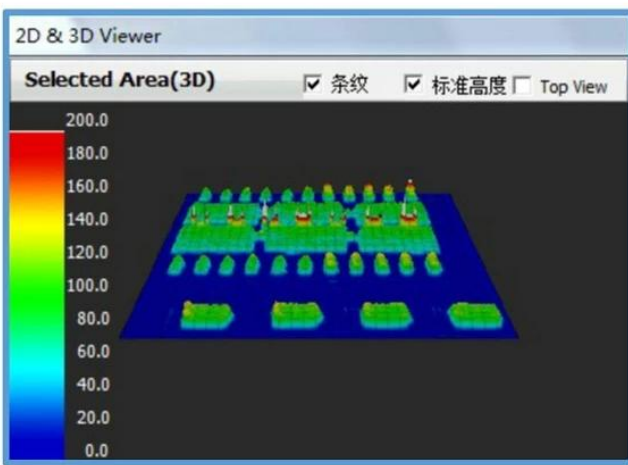
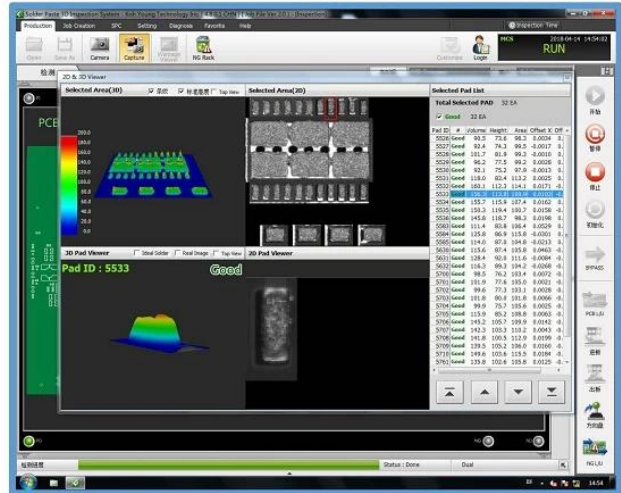
Process Flow Chart



Quality Control Process



KOHYOUNG solder pasteig check SPI Figure 3 d imaging



APPLICATION



Engineering



PCB CAD Layout



Materials



Electro-Mechanical Assembly



Printed Circuit Board Assembly



Test Solutions



System Build



BGA & Board Repair



WHY CHOOSE US?



TO BE
RELIABLE



Quality first,
Customer supreme,
Scientific management,
Striving for famous brand



TO BE
VALUABLE



Science and technology
keeps head,
Put people first,
Be precise and practical,
Contribute sincerely



KEEP
LEADING



There's a phrase in Buddhism,
'Beginner's mind.'

It's wonderful to have a
beginner's mind.



COMPANY PROFILE



O-Leading strives to be your one stop solution partner in EMS supply chain, including PCB design, PCB fabrication and PCB assembly (PCBA). We provide some of the most advanced PCB technology, including HDI PCBs, multilayer PCBs, Rigid-Flexible PCBs. We can support from quick turn prototype to medium & mass Production. In general, our global customers are very impressed with our services: rapid response, competitive price and quality commitment. Providing more valuable technical service and overall solution is the way O-leading forward.



SGS

SGS

SGS

ISO

UL

Looking to the future, O-leading will concentrate on the innovation and development of electronics manufacturing technology as always, and make persistent efforts on PCB & PCBA one-stop service to provide first-class services and create more value for our customers. PCB Assembly manufacturer china.



PCB PCB PCBA BGA X-RAY BGA IC
 PCB



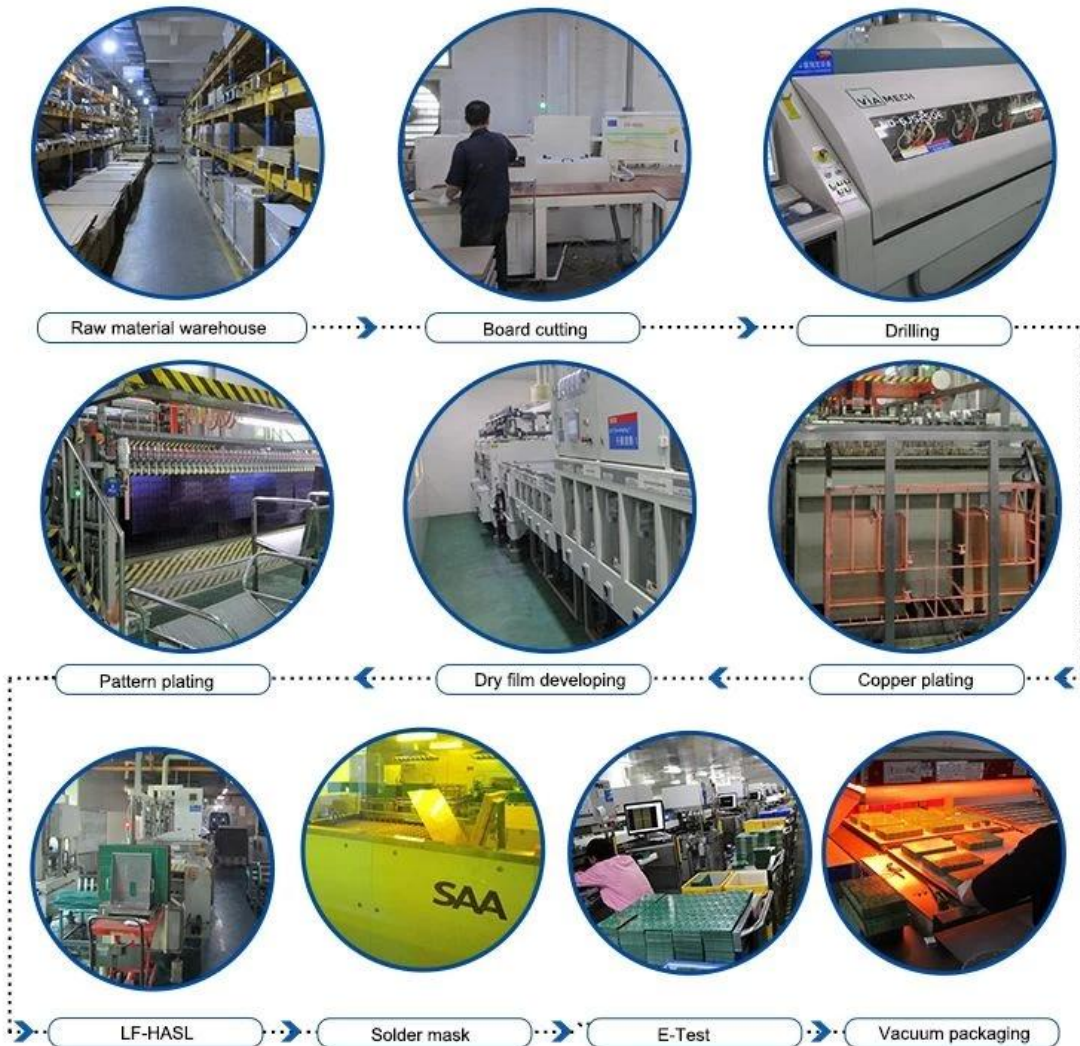
PROCESS CAPABILITY

PCB	
Layer Count	1 - 32
Weight	1 / 3oz-12oz
Min. Thickness / Max. Thickness	3.0mil / 3.0mil
Min. Drill / Max. Drill	4.0mil / 4.0mil
Max Aspect Ratio	10 : 1
Min. Hole	0.2mm ~ 5.0mm
Min. Panel Size (mm)	635 * 1500mm
Min. Panel Size (in)	400
Plated Thickness	+/- 3mil
Blind / Buried Via (All)	
Via Fill (Conc, Dry)	
Material	FR-4, FR-4high Tg, Epoxy, Polyimide, etc.
Surface Finish	HASL, OSP, ENIG, HAL-LF, Immersion silver, Immersion Au, etc.
SMT	
PCB	FR-4, CEM-1, CEM-3, FPC
Min. PCB Size	510x1500mm
Min. PCB Size	50x50mm
PCB Thickness	0.5mm ~ 4.5mm
Min. Hole	0.5-4mm
Min. Pad Diameter	0201
Min. Pad Diameter	0603
Min. Pad Diameter	15mm
Min. Pad Diameter	0.3mm
Min. BGA Pad	0.4mm
Min. Pad	+/- 0.03mm

OUR EXHIBITION



PRODUCTION PROCESS





PRODUCTION LINE

PCB PRODUCTION WORKSHOP



AUTOMATIC VACUUM PRESS MACHIN



DRILLING MA CHINE



PATTERN PLATING MACHINE



SCRUBBING MACHINE



DEVELOPING MACHINE



ROUTING MACHINE

SMT PRODUCTION WORKSHOP



OUR CUSTOMER REVIEWS



<p>订单编号: 49335463501024670</p> <p>供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)</p> <p>High quality usb power pcb , pcba manufacturer ★★★★★ Fancy has done an excellent job, whenever we write, she answered us within 1 second, O-leading is very perfect with fast delivery, fast logistics, the most important thing is good quality, good packaging, thank you!</p> <p>回复该评论</p> <p>oem customized rohs pcb drawing schematic s... ★★★★★ We received the boards, the quality is very good, the price is very reasonable, Fancy is very nice & smart & experienced, the logistics is super fast, I will come to see more in the future.</p> <p>回复该评论</p>	<p>订单编号: 4902411001024670</p> <p>供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)</p> <p>High TG180 FR-4 Circuit HDI PCB 94V0 Board ... ★★★★★ This is a very difficult PCB design, but we are lucky to find O-leading to support the PCB for us, very good to go PCB supplier!</p> <p>universal FR4 Multilayer PCB washing machine... ★★★★★ Fancy gives us very excellent service, very professional and experienced, O-leading is the best one of our suppliers, very happy to work with them.</p>
<p>订单编号: 49298271001024670</p> <p>供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)</p> <p>High TG180 FR-4 Circuit HDI PCB 94V0 Board ... ★★★★★ perfect product, perfect PCB supplier!</p> <p>回复该评论</p> <p>oem customized rohs pcb drawing schematic s... ★★★★★ Very good and professional PCB product as usual!</p> <p>回复该评论</p> <p>Strip LED Aluminum FR-4 lighting PCB board 9... ★★★★★ High quality, fast delivery, good service, competitive price, lucky and happy to purchase from O-leading!</p> <p>回复该评论</p>	<p>订单编号: 49024962001024670</p> <p>供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)</p> <p>High quality Keyboard pcb & pcba Factory SMT... ★★★★★ Top quality, it's the right choice to choose O-leading to make the PCB & PCBA</p> <p>回复该评论</p> <p>订单编号: 40938632501024670</p> <p>供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)</p> <p>Professional Printed Circuit Board Manufactur... ★★★★★ Very high quality PCB products, O-leading is the best PCB supplier that we have ever worked with.</p> <p>订单编号: 44066794501024670</p> <p>供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)</p> <p>High TG180 FR-4 Circuit HDI PCB 94V0 Board ... ★★★★★ We bought two batches, one by DHL, the other one by air, good quality and fast delivery!</p>

LISTEN TO CUSTOMER VOICE

订单编号: 40903347501024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



Strip LED Aluminum FR-4 lighting PCB board 9...

★★★★★
Very fast delivery! Fantastic, good job!!



Professional Printed Circuit Board Manufactur...

★★★★★
Very happy to great support from O-leading,they are not only professional on the PCB, but also provide good PCBA products, very good supplier!!



hot sale rigid-flexible PCB with 0.2mm BGA an...

★★★★★
very professional supplier.



High Quality custom FPCB/Flex PCB/FPC/Flexi...

★★★★★
Good product



OEM ODM PCBA Bluetooth Wireless Marking G...

★★★★★
high soldering quality



Electronic parts haptic pcba Circuit Board asse...

★★★★★
Very Good product

订单编号: 37378603001024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



Raspberry pi 0 Zero Raspberry Pi Zero Pi W ver...

★★★★★
Fantastic products!!



double layer pcb with red S/M and LF-HASL su...

★★★★★
Good!

订单编号: 36919647001024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



AML-S802 Quad-core Android embedded boar...

★★★★★
Good products



Fast delivery low cost pcb fabrication O-leadi...

★★★★★
Good supplier



Lidar IR Sensor board pcba(H08R6x)

★★★★★
perfect product



Customized PCBA design PCB design

★★★★★
perfect



Audio Speaker and Headphone Jack (H07R3x)

★★★★★
High quality, good



half hole pcb, half hole pcb module, half hole m...

★★★★★
Top half hole pcb supplier, very perfect goods



High Quality custom FPCB/Flex PCB/FPC/Flexi...

★★★★★
this rigid-flexible pcb quality is perfect!



Electronic parts haptic pcba Circuit Board asse...

★★★★★
Very satisfied with O-leading products and quality,especially their on-time delivery, fantastic!

Be **kind** to your client,
because he has many choices,
but he chooses you instead.



FAQ

1. O-Leading 的 品質 如何 控制? 品質 如何 保證 品質 好 品質 好.

- 1.1 符合 ISO 9001 : 2008 品質 管理 系統 認證.
- 1.2 符合 國際 標準 認證 品質 好
- 1.3 品質 如何 控制 好 品質. 如 : 品質 管理, X-ray 檢驗, AOI (Automated Optical Inspector) 及 ICT (in-circuit testing).
- 1.4 品質 如何 保證 品質 好 品質 好 品質 好
- 1.5. 品質 如何 保證 品質 好 品質 好

2. O-Leading 的 品質 如何 控制 品質 好?

品質 10 年 品質 好 品質 好 (如 : 品質, 品質 好) 品質 好 品質, 品質 好 品質 好 品質 好. 品質 好 品質 好 品質 好 31 % 品質 好. 品質 好 品質 好 品質 好 品質 好.

品質 O-Leading 的 品質 如何 控制 品質 好. 品質 好 品質, 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好. 品質 好 品質 好 品質 好 品質 好 品質 好.

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3. O-Leading 的 品質 如何 控制 品質 好 品質 好?

品質 好 FR4, 品質 好 TG 品質 好 品質 好, Rogers, Arlon, Telfon, 品質 好 / 品質 好 品質 好, PI 品質 好

4. PCB 的 PCBA 品質 如何 控制 品質 好?

- 4.1 品質 如何 控制 BOM (Bill of Materials) : 品質 好 品質, 品質 好 品質 好 品質 好.
- 4.2 PCB Gerber 品質 好.
- 4.3 PCB 品質 好 品質 好 品質 好 品質 好.
- 4.4 品質 好 品質 好.
- 4.5 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好.

5. 品質 PCB 的 品質 如何 控制 品質 好?

品質 好 → 品質 好 品質 好 → 品質 好 品質 好 → 品質 好 AOI → 品質 好 品質 好 → 品質 好 品質 好 品質 好 → 品質 好 → PTH → 品質 好 品質 好 → 品質 好 品質 好 品質 好 → 品質 好 品質 好 → 品質 好 AOI → 品質 好 品質 好 → 品質 好 品質 好 → 品質 好 品質 好 → 品質 好 → E / T → 品質 好 品質 好.

6. HDI 的 品質 如何 控制 品質 好?

品質 好 品質 好 品質 好 品質 好 : 品質 好 品質 好, 品質 好 品質, VCP 品質, 品質 好 品質, LDI 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 Mitsubishi 品質 好 Hitachi 品質, LDI 品質 Screen 品質 好 品質 好. (品質), 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好.

7. 品質 如何 控制 品質 好 O- 的 品質 如何 控制 品質 好?

O-the 品質 好 ENIG, OSP, LF-HASL, 品質 好 (品質 / 品質), 品質 好, 品質 好 品質, 品質 好 品質 好, 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好.

HDI 品質 好 品質 好 品質 好 OSP, ENIG, OSP + ENIG, BGA PAD 品質 好 0.3mm 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好 品質 好.

8. FPC 的 品質 如何 控制 品質 好? O-Leading SMT 的 品質 如何 控制 品質 好?

O-Leading 的 品質 好 8 品質 好 FPC 的 品質 好 品質 好. 品質 好 品質 好 品質 好 2000mm * 240mm 品質 好 品質 好. 品質 好 品質 好 "Flex Capability" 品質 好 品質 好. 品質 好 品質 好 品質 好 SMT 的 品質 好 品質 好 品質 好.

9. PCB 的 品質 如何 控制 品質 好 品質 好?

- 品質 好;
- 品質 好 品質 好;
- 品質 好 品質 好;

PCB 設計;
PCB 製造;
PCB 測試;
PCB 安裝 服務。

10. PCB, PWB 及 FPC 的區別是什麼?

PCB 是印刷電路板。
PWB 是 Printed Wire Board 印刷電路板。
FPC 是 Flexible Printed Board 柔性印刷電路板。

11. PCB 的熱穩定性如何?

PCB 的熱穩定性取決於其材料。
通常 Tg 是 PCB 的熱穩定性指標。
CTE 是 PCB 的熱膨脹係數。
通常 PCB 的 Tg 在 50 到 250 °C 之間。
CTE 值越低，PCB 的熱穩定性越好。
通常 PCB 的 CTE 值在 10 到 20 ppm/K 之間。
通常 PCB 的 CTE 值在 10 到 20 ppm/K 之間。

12. O-leading rigid-flex PCB 的優點是什麼?

O-leading rigid-flex PCB 是 PCB 和 FPC 的組合。它具有 PCB 的剛性和 FPC 的柔性。它適用於需要高可靠性和高穩定性的應用。

13. 如何選擇 PCB 材料?

選擇 PCB 材料時，應考慮其性能、成本、加工性和環保性。POLAR INSTRUMENTS 的 SI6000 和 CITS 500s 是常用的 PCB 材料。

● ● ● ● ●

PACKAGING & DELIVERY

PAYMENT



A full range of sea and air logistics system to provide you with the most convenient logistics experience, rapid response to save you time.

Quick Turn Lead Time		
Layer Count:	Lead Tim	Special Requirement
1L/2L	2-3days	24 Hours, 48 Hours
4L	3-4days	48 Hours
6L	4-5days	72 Hours
8L	5-6days	NA
10L	6-7days	NA
12L	7-8days	NA
14L	8-9days	NA

Standard Lead Time		
Layer Count:	Sample Lead Time	Volume order lead time
2L	4 days	10 days
4L	5 days	11 days
6L	6 days	12 days
8L	8 days	14 days
10L	10 days	16 days
12L	12 days	18 days
14L	14 days	20 days
16-32L	18 days	24 days



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