

# Welcome to O-leading

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. [Multilayer pcb Printed company](#)

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.

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.

## Product Description

### Quick Details

|                   |  |                   |                        |
|-------------------|--|-------------------|------------------------|
| Place of Origin   | Guang dong, China (Mainland)                       | Brand Name        | O-Leading              |
| Base Material     | FR-4,,Aluminum                                     | Copper Thickness  | 0.5oz-5oz              |
| Min. Hole Size    | 0.2mm  | Min. Line Width   | 0.2mm                  |
| Surface Finishing | immersion gold ,OSP,lead free HASL                 | Board Thickness   | 0.1-5mm                |
| applicable to     | led,mobile phone,air conditioners,washing machines | character         | Industrial Control pcb |
| certificates      | ISO9001,UL,RoHS,SGS                                | Q/CTN             | 10PCS-100PCS           |
| weight            | 0.01kg -5kg  | MOQ               | 10pcs                  |
| Model Number      | power bank pcb assembly pcba manufacturer          | Min. Line Spacing | 0.2mm                  |
| color             | blue ,red ,green,black,yellow                      | price             | \$0.1-\$10             |
| desigh type       | client requirement                                 | size              | 0.01m3-10m3            |

### Production Capability

16 years professional OEM pcb board manufacture

| item                         | 2014   |        | 2015~2016 |        | 2017~2018 |        |
|------------------------------|--------|--------|-----------|--------|-----------|--------|
|                              | Volume | Sample | Volume    | Sample | Volume    | Sample |
| Layer count                  | 32     | 42     | 38        | 44     | 42        | 48     |
| Min Line/space (µm)          | 50/50  | 40/45  | 40/45     | 40/40  | 35/40     | 35/35  |
| Min drill hole diameter (mm) | 0.15   | 0.10   | 0.15      | 0.10   | 0.15      | 0.10   |
| Aspect ratio of PTH          | 14:1   | 16:1   | 16:1      | 18:1   | 18:1      | 20:1   |
| N+C+N                        | 4+C+4  | 5+C+5  | 5+C+5     | 6+C+6  | 5+C+5     | 6+C+6  |
| Any layer interconnection    | 5+2+5  | 6+2+6  | 5+2+5     | 6+2+6  | 5+2+5     | 6+2+6  |

|   |     |    |     |    |     |    |
|---|-----|----|-----|----|-----|----|
| Plate filling via                         | YES | -- | YES | -- | YES | -- |
| Min. core thickness (exclude copper) (μm) | 50  | 40 | 40  | 30 | 40  | 30 |
| Min. Laser Drill diameter (μm)            | 75  | 65 | 65  | 50 | 50  | 40 |
| Via on buried hole/stacked via            | YES | -- | YES | -- | YES | -- |

## Our Team



Factory PCB



Automatic vacuum press machine



Drilling Machine



Pattern Plating Machine



Scrubbing Machine



Developing Machine



Routing Machine



High-speed flying probe machine



E-test Machine

Factory SMT



# Certifications

CICC INSPECTION CERTIFICATION



**嘉泰认证**

**QUALITY MANAGEMENT SYSTEM CERTIFICATE**

Certificate No: 18118Q10347R05

**We hereby certify that**  
**O-LEADING SUPPLY CHAIN(HK) CO.,LIMITED**  
 Credit No: 61691591-000-07-18-7  
 Registration Add: FLAT/RM 1205 12/F TAI SANG BANK BUILDING 130-132 DES VODEUS ROAD CENTRAL HK  
 Business Add: 1213, Floor 13, Fortune Building, Danshui Town, Huiyang District, Huizhou, Guangdong, China

Has implemented and maintains a **Quality Management System** Which fulfills the requirements of the following standards  
 GB/T19001-2016 idt ISO9001:2015

**Scope of certification**  
 Sales of printed circuit boards

Initial issuance period: February 27, 2018  
 Renewal date: April 22, 2019  
 This certificate is valid during: April 22, 2019 – February 26, 2021  
 This certificate is invalid without CICC qualified label in the following period

|                             |                              |                |
|-----------------------------|------------------------------|----------------|
| First supervision and audit | Second supervision and audit | Qualified mark |
|-----------------------------|------------------------------|----------------|

The certification registration number does not include those production stages which fail to be covered by the relevant effective administrative procedures and qualification procedures stipulated by the state. The effectiveness of this certificate shall be restricted to those activities which are covered by the certification. The actual information of this certification can be searched on the internet of CICC www.cicc.com.cn by the site of internet www.cicc.com.cn.






CICC INSPECTION CERTIFICATION



**嘉泰认证**

**质量管理体系认证证书**

证书号: 18118Q10347R05

**兹证明**  
**诚领供应链(香港)有限公司**  
 统一社会信用代码: 61691591-000-07-18-7  
 注册地址: 香港中環德輔道中130-132號大生銀行大廈1205室  
 经营地址: 广东惠州惠阳淡水南亨西路财富大厦13楼1313

建立的质量管理体系符合  
 GB/T19001-2016 idt ISO9001:2015 质量标准适用条款的要求

**认证范围**  
 印刷线路板的销售

初次获证日期: 2018年02月27日  
 换证日期: 2019年04月22日  
 证书有效期: 自2019年04月22日至2021年02月26日  
 在下列期限内, 未经CICC黏贴合格标贴, 本证书无效

|       |       |     |
|-------|-------|-----|
| 第一次监督 | 第二次监督 | 黏贴处 |
|-------|-------|-----|

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# ZPMV2.E490354 - WIRING, PRINTED - COMPONENT

## Wiring, Printed - Component

See General Information for Wiring, Printed - Component

**O-LEADING SUPPLY CHAIN (HK) CO LTD**  
 ROOM 1205, 12/F  
 TAI SANG BANK BLDG  
 130-132 DES VOEUS ROAD  
 CENTRAL, HONG KONG

E490354

| Type   | Cond Width    |               |                      | SS/<br>DS/<br>DSO | Max        | Max  |       | Meets<br>UL796 | C<br>T |       |   |
|--|---------------|---------------|----------------------|-------------------|------------|------|-------|----------------|--------|-------|---|
|  | Min           | Cond          | Area                 |                   | Solder     | Oper | Flame |                |        |       |   |
|  | mm(in)        | Edge<br>Thk   | Diam                 |                   | Limits     | Temp |       |                |        | Class |   |
| <b>Multilayer (mass laminate) printed wiring boards.</b> |               |               |                      |                   |            |      |       |                |        |       |   |
| <b>O-LEADING-401</b>                                     | 0.1 (0.004)   | 0.3 (0.012)   | 34 (1.34)            | DS                | 12.7 (0.5) | 260  | 10    | 130            | V-0    | -     | - |
| <b>O-LEADING-407</b>                                     | 0.08 (0.003)  | 0.2 (0.008)   | 17 (0.67)            | DS                | 9.7 (0.4)  | 260  | 10    | 130            | V-0    | All   | - |
| <b>Multilayer printed wiring boards.</b>                 |               |               |                      |                   |            |      |       |                |        |       |   |
| <b>O-LEADING-408</b>                                     | 0.125 (0.005) | 0.125 (0.005) | 12 (0.47)<br>Int:136 | DS                | 50.8 (2.0) | 280  | 20    | 130            | V-0    | All   | * |
| <b>Single layer printed wiring boards.</b>               |               |               |                      |                   |            |      |       |                |        |       |   |
| <b>O-LEADING-002</b>                                     | 0.38 (0.015)  | 1.14 (0.045)  | 34 (1.34)            | SS                | 19.1 (0.8) | 260  | 10    | 105            | V-0    | All   | - |
| <b>O-LEADING-003</b>                                     | 0.38 (0.015)  | 1.14 (0.045)  | 34 (1.34)            | SS                | 19.1 (0.8) | 260  | 10    | 130            | V-0    | ▲     | - |
| <b>O-LEADING-033</b>                                     | 0.15 (0.006)  | 0.3 (0.012)   | 34 (1.34)            | SS                | 25.4 (1.0) | 260  | 10    | 120            | V-0    | All   | - |
| <b>O-LEADING-205</b>                                     | 0.1 (0.004)   | 0.3 (0.012)   | 34 (1.34)            | DS                | 69.6 (2.7) | 260  | 10    | 130            | V-0    | All   | - |
| <b>O-LEADING-206</b>                                     | 0.15 (0.006)  | 0.33 (0.013)  | 17 (0.67)            | DS                | 69.6 (2.7) | 260  | 10    | 130            | V-0    | All   | - |
| <b>O-LEADING-D01</b>                                     | 0.14 (0.006)  | 0.15 (0.006)  | 33 (1.30)            | DS                | 25.4 (1.0) | 260  | 10    | 130            | V-0    | All   | * |
| <b>O-LEADING-S01</b>                                     | 0.25 (0.010)  | 0.25 (0.010)  | 17 (0.67)            | SS                | 25.4 (1.0) | 260  | 4     | 130            | V-0    | All   | * |

WIRING, PRINTED - COMPONENT | UL Product iQ

|                      |              |              |           |    |            |     |   |     |     |     |   |
|----------------------|--------------|--------------|-----------|----|------------|-----|---|-----|-----|-----|---|
| <b>O-LEADING-S02</b> | 0.2 (0.008)  | 0.2 (0.008)  | 17 (0.67) | SS | 25.4 (1.0) | 260 | 4 | 130 | HB  | ▲   | * |
| <b>O-LEADING-S03</b> | 0.25 (0.010) | 0.25 (0.010) | 34 (1.34) | SS | 25.4 (1.0) | 260 | 4 | 130 | V-0 | All | * |

\* - CTI marking is optional and may be marked on the printed wiring board.

Marking: Company name or file number and type designation. May be followed by a suffix to denote factory identification or burning test classification.

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# Packaging & Delivery

## Shipping service



| 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                |

## Process Capability

### PCB Production Capabilities

Layer Count: 1Layer-32Layer

Finished copper thickness 1/3oz-12oz

Min Line width/spacing internal 3.0mil/3.0mil

Min Line width/spacing external: 4.0mil/4.0mil

Max Aspect Ratio: 10:1

Board thickness 0.2mm-5.0mm

Max Panel size(inches): 635\*1500mm

Minimum Drilled Hole Size: 4mil