

# O-PCB

PCB PCB PCB PCB PCBA EMS 1 Quick Turn Prototype

PCB PCB PCB PCB PCBA

O-PCB PCB PCBA

10 PCB - PCB MCPCB. WE 48~96 48 4~8

.025 .020

25/

## PCB

PCB

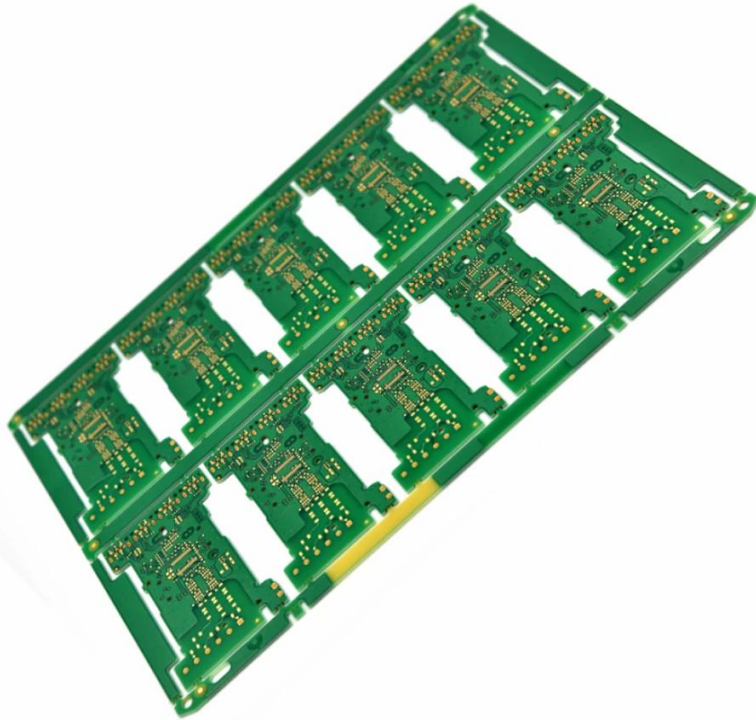
|                     |         |             |
|---------------------|---------|-------------|
| PCB                 | PCBA    | o           |
| PCB                 | PCBA    | FR-4        |
| OSP                 |         | 0.5oz-5oz.  |
|                     |         | 0.2mm       |
| LED                 |         | 0.2mm       |
| PCB                 |         | 0.1-5mm     |
| ISO9001 UL RoHS SGS |         | 0.01m3~10m3 |
| 0.1~10              |         | 0.01kg -5kg |
|                     | Q / CTN | 10pcs-100   |
| mo                  | 10      |             |

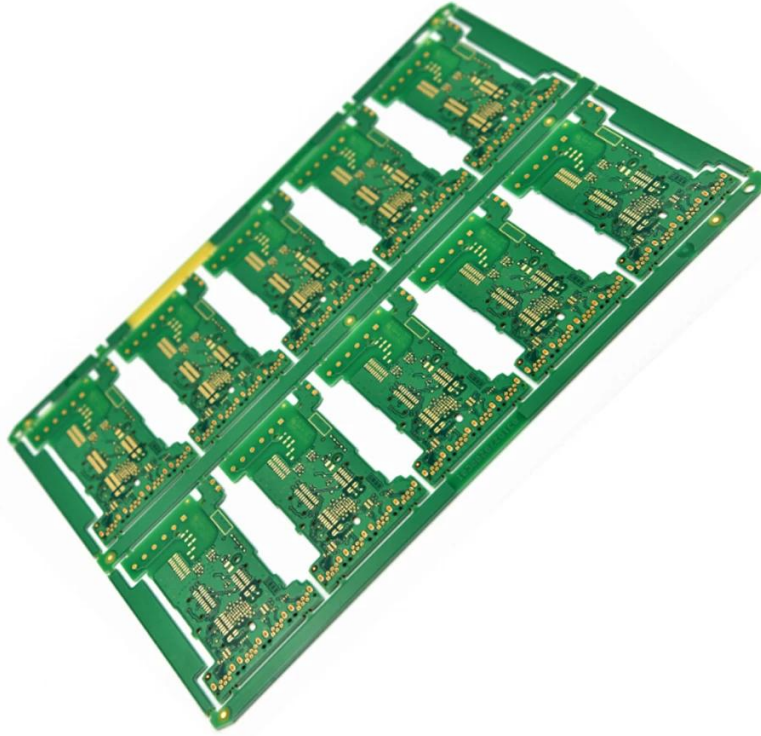
PCB

### 16 OEM PCB

|               | 2014.     |           | 2015      |           | 2016      |           | 2017 |  | 2018 |  |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|------|--|------|--|
|               |           |           |           |           |           |           |      |  |      |  |
|               | 32.       | 42.       | 38.       | 44        | 42.       | 48        |      |  |      |  |
| $\mu\text{m}$ | 50/50     | 40/45     | 40/45     | 40/40     | 35/40     | 35/35     |      |  |      |  |
| mm            | 0.15.     | 0.10      | 0.15.     | 0.10      | 0.15.     | 0.10      |      |  |      |  |
| pth           | 14        | 16        | 16        | 18        | 18        | 20        |      |  |      |  |
| N + C + N.    | 4 + C + 4 | 5 + C + 5 | 5 + C + 5 | 6 + C + 6 | 5 + C + 5 | 6 + C + 6 |      |  |      |  |
|               | 5 + 2 + 5 | 6 + 2 + 6 | 5 + 2 + 5 | 6 + 2 + 6 | 5 + 2 + 5 | 6 + 2 + 6 |      |  |      |  |







[www.o-leading.com](http://www.o-leading.com)

PCB LED PCB

PCB



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Factory PCB

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Automatic vacuum press machine



Drilling Machine



Pattern Plating Machine



Scrubbing Machine



Developing Machine



Routing Machine



High-speed flying probe machine



E-test Machine

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Factory SMT

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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 certificate registration fee ranges from 1,000 to 10,000 RMB. The certificate fee is 1,000 RMB. The certificate is valid for 1 year. The certificate is issued by CICC. The certificate is issued by CICC. The certificate is issued by CICC.






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

|       |       |     |
|-------|-------|-----|
| 第一次复审 | 第二次复审 | 黏贴处 |
|-------|-------|-----|

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Test Report

No. SZXEC1900530401 Date: 30 Mar 2019 Page 1 of 6

O-LEADING SUPPLY CHAIN (HK) CO., LIMITED

1313.FLOOR 13, FORTUNE BUILDING, DANSHUI TOWN, HUIYANG DISTRICT, HUIZHOU, GUANGDONG, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : OSP

SGS Job No. : RP19-005089 - SZ
Date of Sample Received : 22 Mar 2019
Testing Period : 22 Mar 2019 - 30 Mar 2019
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Tina
Tina Fan
Approved Signatory



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Test Report

No. SZXEC1900530401 Date: 30 Mar 2019 Page 2 of 6

Test Results :

Test Part Description :

Table with 3 columns: Specimen No., SGS Sample ID, Description. Row 1: SN1, SZX19-005304.001, Green"PCB"

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

Table with 5 columns: Test Item(s), Limit, Unit, MDL, QZT. Lists various substances like Cadmium, Lead, Mercury, Hexavalent Chromium, Sum of PBBs, etc. with their respective limits and units.



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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    |               | Cond Thk             | SS/ DS/ DSO | Max        | Max    |      | Meets | C     |       |     |   |
|--|---------------|---------------|----------------------|-------------|------------|--------|------|-------|-------|-------|-----|---|
|  | Min           | Edge          |                      |             | Area       | Solder | Oper |       |       | Flame |     |   |
|  | mm(in)        | mm(in)        | mic(mil)             |             | mm(in)     | C      | sec  | C     | Class | UL796 | DSR | I |
| <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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# 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                |



### PCB

1LAYER-32LAYER

1 / 3oz-12oz

MIN 3.0mil / 3.0mil

MIN 4.0mil / 4.0mil

10

0.2mm-5.0mm

635 \* 1500mm

4

Plated Hole Tolerance +/- 3mil

2 All

FR-4 FR-4HIGH Tg

HASL OSP ENIG HAL-LF LMMSSIRSION SILVER LMM

### SMT

PCB FR-4 CEM-1 CEM-3

PCB 510x460mm

PCB 50x50mm

PCB 0.5mm-4.5mm

0.5~4mm

0201

0603

15mm

0.3mm

BGA 0.4mm

+/- 0.03mm