

# الرائدة O مرحبا بكم في

بما في ذلك تصميم ثنائي الفينيل متعدد الكلور وتصنيع ثنائي ، EMS لتكون شريك الحل الوحيد في سلسلة توريد O-Leading تسعى نحن نقدم بعضًا من أحدث تكنولوجيا ثنائي الفينيل متعدد الكلور ، بما (PCBA) الفينيل متعدد الكلور وتجميع ثنائي الفينيل متعدد الكلور يمكننا دعم من النموذج السريع بدوره إلى الإنتاج الضخم . Rigid-Flexible PCBs متعددة الطبقات و PCBs و HDI PCBs في ذلك والمتوسطة. **ثنائي الفينيل متعدد الكلور من جانب في الصين**

بشكل عام ، إن عملائنا العالميين متأثرون جدًا بخدماتنا: الاستجابة السريعة ، السعر التنافسي والالتزام بالجودة. توفير خدمة فنية أكثر قيمة والحل الشامل هو الطريق إلى الأمام.

الرائد على ابتكار وتطوير تكنولوجيا تصنيع الإلكترونيات كما هو الحال دائمًا ، وستبذل جهودًا متواصلة O بالنظر إلى المستقبل ، ستركز ذات الشباك الواحد لتوفير خدمات من الدرجة الأولى وخلق المزيد من القيمة لعملائنا. **لوحة الدوائر** PCBA و PCB على خدمة **المطبوعة في الصين**

## تفاصيل سريعة

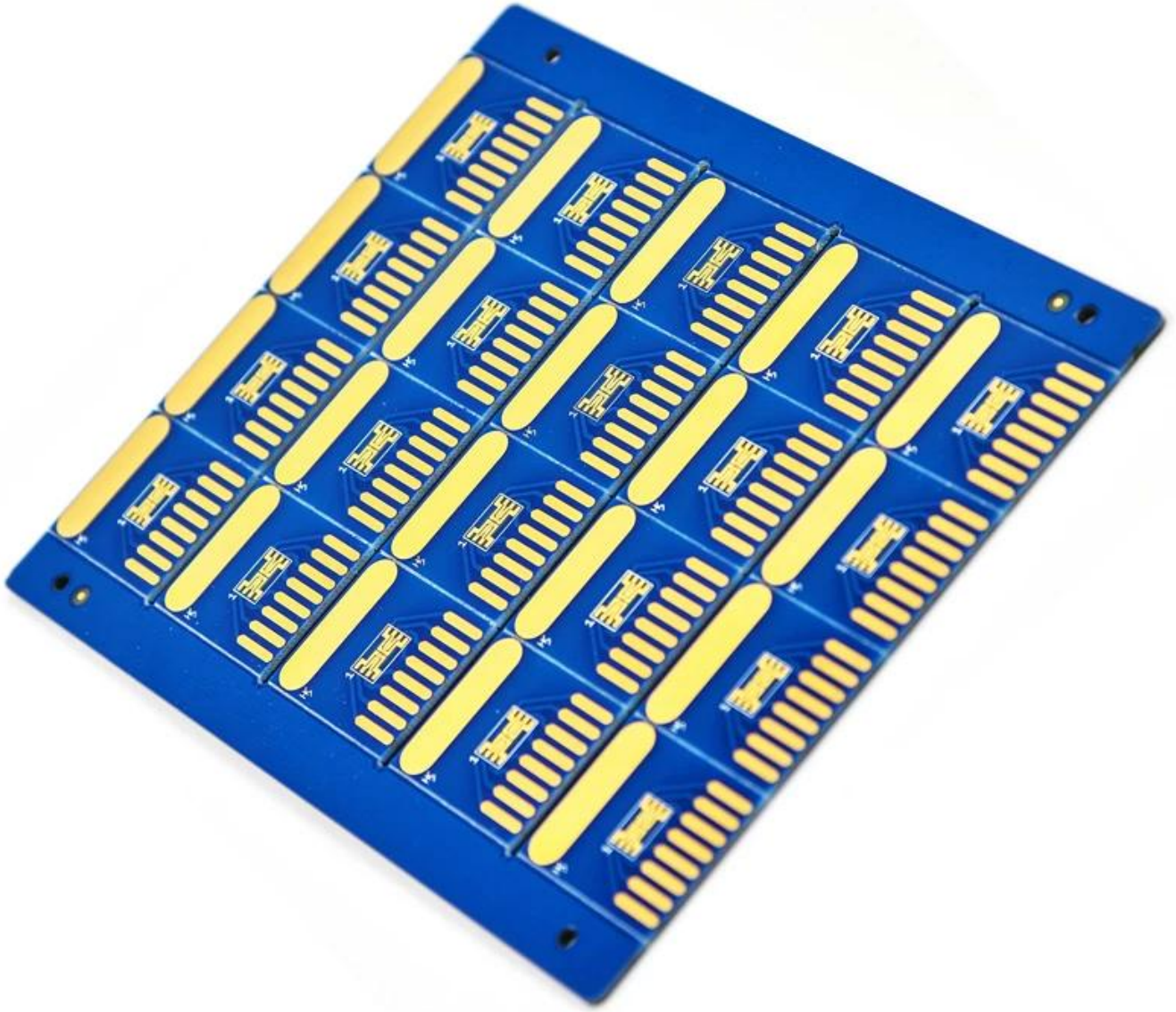
|                    |                                |                    |               |
|--------------------|--------------------------------|--------------------|---------------|
| المنتجات           | المنتجات (المنتجات / المنتجات) | المنتجات           | O-المنتجات    |
| المنتجات           | FR-4                           | المنتجات           | 0.50Z-50Z     |
| المنتجات .المنتجات | 0.2mm                          | المنتجات .المنتجات | 0.2mm         |
| المنتجات           | المنتجات OSP / HASL            | المنتجات           | 0.1-5mm       |
| المنتجات           | المنتجات / المنتجات            | المنتجات           | المنتجات      |
| المنتجات           | ISO9001 UL SGS                 | Q / المنتجات       | 10PCS-100PCS  |
| المنتجات           | 0.01 5-                        | المنتجات           | 10            |
| المنتجات           | المنتجات                       | المنتجات .المنتجات | 0.2mm         |
| المنتجات           | المنتجات pcba                  | المنتجات           | \$ 0.1- \$ 10 |
| المنتجات design    | المنتجات                       | المنتجات design    | المنتجات      |

المنتجات

16 المنتجات

| المنتجات                       | 2014      |           | 2015 ~ 2016 |           | 2017 ~ 2018 |           |
|--------------------------------|-----------|-----------|-------------|-----------|-------------|-----------|
|                                | المنتجات  | المنتجات  | المنتجات    | المنتجات  | المنتجات    | المنتجات  |
| المنتجات                       | 32        | 42        | 38          | 44        | 42          | 48        |
| المنتجات (المنتجات / المنتجات) | 50/50     | 40/45     | 40/45       | 40/40     | 35/40       | 35/35     |
| المنتجات (المنتجات)            | 0.15      | 0.10      | 0.15        | 0.10      | 0.15        | 0.10      |
| المنتجات 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 |
| المنتجات                       | 5 + 2 + 5 | 6 + 2 + 6 | 5 + 2 + 5   | 6 + 2 + 6 | 5 + 2 + 5   | 6 + 2 + 6 |





فريقنا



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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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# الشهادات

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 number does not include those production stages which fail to be covered by the relevant effective administrative procedures and qualification procedures mentioned in the scope. The effectiveness of this certificate shall be restricted to those activities which are covered by the certificate. The initial issuance of this certificate can be searched on the portal of CNAS. See also the link on the side of website 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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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 heavy metals and brominated compounds 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**

E490354

ROOM 1205, 12/F  
TAI SANG BANK BLDG  
130-132 DES VOEUS ROAD  
CENTRAL, HONG KONG

| Type   | Cond Width    |               | Cond Thk             | SS/ DS/ DSO | Max        | Max    |      | Meets | C     |       |   |
|--|---------------|---------------|----------------------|-------------|------------|--------|------|-------|-------|-------|---|
|  | Min           | Edge          |                      |             | Area       | Solder | Oper |       |       | Flame |   |
|  | mm(in)        | mm(in)        | mic(mil)             |             | Diam       | Limits | Temp | Class | UL796 | T     |   |
| <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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التغليف والشحن

## Shipping service



**DHL**  
WORLDWIDE EXPRESS®

**TNT**

**FedEx**  
Express®



| 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                |

## القدرة العملية

### قدرات إنتاج ثنائي الفينيل متعدد الكلور

1 Layer-32Layer عدد الطبقات:

oz-12oz الانتهاء من سماكة النحاس 1 / 3

3.0mil / دقيقة خط العرض / تباعد الداخلية 3.0

4.0mil / دقيقة خط العرض / تباعد خارجي: 4.0

نسبة العرض إلى الارتفاع القصوى: 10:1

سمك المجلس 0.2 مم-5.0 مم

الحد الأقصى لحجم اللوحة (بوصة): 635 \* 1500 مم

4mil الحد الأدنى لحفر حفرة الحجم:

3mil مثقوب حفرة التسامح: +/-

دفن فيا (أنواع أخي): نعم / Blind

عبر التعبئة (موصل ، غير موصل): نعم

قاعدة ألومنيوم،النسبة الثابتة ،Rogers, Halogen free material, FR-4, FR-4high Tg.المواد الأساسية

النحاس الثقيل

تين ، أصابع الذهب ، حبر الكربون Immersion,Immersion الفضة ، HAL-LF ، ENIG ، OSP ، HASL :التشطيبات السطحية

### قدرات الإنتاج SMT

لوحة الألومنيوم ، CEM-3 ، CEM-1 ، FR-4 :مادة الكلور  
460mmxأقصى حجم ثنائي الفينيل متعدد الكلور: 510  
50mmx50ممين حجم الكلور □  
4.5mm-سمك □ 0.5 PCB  
4-0.5mm سمك المجلس □  
الحد الأدنى لحجم المكونات: 0201  
مكون حجم رقاقة القياسية: 0603 وأكبر  
مكون أقصى ارتفاع □ 15 ملم  
دقيقة الملعب الرصاص: 0.3 مم  
دقيقة الملعب الكرة بغا: 0.4 ملليمتر  
0.03 mmدقة التنسيب: +/-