

Bienvenue chez O-Leading

O-Leading s'efforce d'être votre partenaire de solution unique dans la chaîne d'approvisionnement EMS, y compris la conception de PCB, la fabrication de PCB et l'assemblage de PCB (PCBA). Nous fournissons certaines des technologies de PCB les plus avancées, y compris les PCB HDI, les PCB multicouches, les PCB rigides et flexibles. Nous pouvons prendre en charge du prototype à virage rapide à la production moyenne et en masse.

En général, nos clients mondiaux sont très impressionnés par nos services: une réponse rapide, un prix compétitif et un engagement de qualité.

En regardant vers l'avenir, O-leader se concentrera sur l'innovation et le développement de la technologie de fabrication électronique comme toujours, et déploiera des efforts persistants sur le service unique PCB & PCBA pour fournir des services de première classe et créer plus de valeur pour nos clients.

Description du produit

| | | | |
|---------------------|--|-----------------------|----------------------------|
| Lieu d'origine | Guang dong, Chine (continentale) | Marque | O-leader |
| Matériel de base | FR-4, aluminium | Épaisseur de cuivre | 0,5 oz-5 oz |
| Min. Taille du trou | 0,2 mm | Min. Largeur de ligne | 0,2 mm |
| Finition de surface | immersion or, OSP, sans plomb HASL | Épaisseur du panneau | 0,1 à 5 mm |
| applicable à | led, téléphone portable, climatiseurs, machines à laver | personnage | PCB de contrôle industriel |
| certificats | ISO9001, UL, RoHS, SGS | Q / CTN | 10PCS-100PCS |
| poids | 0,01 kg -5 kg | MOQ | 10 pièces |
| Numéro de modèle | fabricant de pcba d'assemblage de carte de banque de puissance | Min. Interligne | 0,2 mm |
| Couleur | bleu, rouge, vert, noir,jaune | prix | 0,1 \$ à 10 \$ |
| type de desigh | exigence du client | Taille | 0,01 m3 à 10 m3 |

16 ans de fabrication professionnelle de circuits imprimés OEM

| article | 2014 | | 2015 ~ 2016 | | 2017 ~ 2018 | |
|--|---|-------------|-------------|-------------|-------------|-------------|
| | Le volume | Échantillon | Le volume | Échantillon | Le volume | Échantillon |
| Nombre de couches | 32 | 42 | 38 | 44 | 42 | 48 |
| Ligne min / espace (µm) | 50/50 | 40/45 | 40/45 | 40/40 | 35/40 | 35/35 |
| Trou de forage minimum diamètre (mm) | 0,15 | 0,10 | 0,15 | 0,10 | 0,15 | 0,10 |
| Ratio d'aspect de 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 |
| Interconnexion de n'importe quelle couche | 5 + 2 + 5 | 6 + 2 + 6 | 5 + 2 + 5 | 6 + 2 + 6 | 5 + 2 + 5 | 6 + 2 + 6 |
| Remplissage de plaque via | OUI | - | OUI | - | OUI | - |
| Min. épaisseur du noyau (à l'exclusion du cuivre) (µm) | 50 | 40 | 40 | 30 | 40 | 30 |
| Min. Diamètre de perçage laser (µm) | 75 | 65 | 65 | 50 | 50 | 40 |
| Via sur enterré trou / empilé via | OUI | - | OUI | - | OUI | - |
| Matériel | FR4, Megtron, Nelco, Rogers, Heavy Copper, etc. | | | | | |
| PCB de condensateur intégré | OUI | - | OUI | - | OUI | - |

| | |
|----------------------|---|
| Processus de surface | HASL sans plomb, ENIG, OSP, Argent d'immersion, Étain d'immersion, Or flash, plaqué or, plaqué or dur sélectif, Masque de soudure pelable, encre carbone |
|----------------------|---|

Notre équipe



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 mentioned in the scope. The effectiveness of this certificate shall be restricted to actual certification scope of CICC. The certificate shall be valid when used together with the qualified mark issued.

The initial issuance of this certification can be searched on the portal of CICC www.cicc.com.cn by the code of inquiry 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

| | | |
|-------|-------|-----|
| 第一次初审 | 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, 0/1. Lists various substances like Cadmium, Lead, Mercury, Hexavalent Chromium, Sum of PBBs, etc.



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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) | | Diam | Limits | Temp | Class | UL796 | T | |
| Multilayer (mass laminate) printed wiring boards. | | | | | | | | | | | |
| O-LEADING-401 | 0.1 (0.004) | 0.3 (0.012) | 34 (1.34) | DS | 12.7 (0.5) | 260 | 10 | 130 | V-0 | - | |
| O-LEADING-407 | 0.08 (0.003) | 0.2 (0.008) | 17 (0.67) | DS | 9.7 (0.4) | 260 | 10 | 130 | V-0 | All | |
| Multilayer printed wiring boards. | | | | | | | | | | | |
| O-LEADING-408 | 0.125 (0.005) | 0.125 (0.005) | 12 (0.47) Int:136 | DS | 50.8 (2.0) | 280 | 20 | 130 | V-0 | All | * |
| Single layer printed wiring boards. | | | | | | | | | | | |
| O-LEADING-002 | 0.38 (0.015) | 1.14 (0.045) | 34 (1.34) | SS | 19.1 (0.8) | 260 | 10 | 105 | V-0 | All | - |
| O-LEADING-003 | 0.38 (0.015) | 1.14 (0.045) | 34 (1.34) | SS | 19.1 (0.8) | 260 | 10 | 130 | V-0 | ▲ | - |
| O-LEADING-033 | 0.15 (0.006) | 0.3 (0.012) | 34 (1.34) | SS | 25.4 (1.0) | 260 | 10 | 120 | V-0 | All | - |
| O-LEADING-205 | 0.1 (0.004) | 0.3 (0.012) | 34 (1.34) | DS | 69.6 (2.7) | 260 | 10 | 130 | V-0 | All | - |
| O-LEADING-206 | 0.15 (0.006) | 0.33 (0.013) | 17 (0.67) | DS | 69.6 (2.7) | 260 | 10 | 130 | V-0 | All | - |
| O-LEADING-D01 | 0.14 (0.006) | 0.15 (0.006) | 33 (1.30) | DS | 25.4 (1.0) | 260 | 10 | 130 | V-0 | All | * |
| O-LEADING-S01 | 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

| | | | | | | | | | | | |
|----------------------|--------------|--------------|-----------|----|------------|-----|---|-----|-----|-----|---|
| O-LEADING-S02 | 0.2 (0.008) | 0.2 (0.008) | 17 (0.67) | SS | 25.4 (1.0) | 260 | 4 | 130 | HB | ▲ | * |
| O-LEADING-S03 | 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 |

Capacité du processus

Capacités de production de PCB

Nombre de couches: 1 couche-32 couches

Épaisseur de cuivre fini: 1 / 3oz-12oz

Largeur / espacement des lignes min. Interne: 3.0mil / 3.0mil

Largeur / espacement des lignes min externes: 4.0mil / 4.0mil

Rapport d'aspect max: 10: 1

Épaisseur du panneau: 0,2 mm à 5,0 mm

Taille maximale du panneau (pouces): 635 * 1500 mm

Taille minimale du trou percé: 4mil

Tolérance de trou Plated: +/- 3mil

Blind / Buried Vias (types All): OUI

Via remplissage (conducteur, non conducteur): OUI

Matériau de base: FR-4, FR-4High Tg.Halogen free material, Rogers, Aluminium base,Polyimide,

Cuivre lourd

Finitions de surface: HASL, OSP, ENIG, HAL-LF, Immersion silver,Étain d'immersion, doigts d'or, encre de carbone

Capacités de production SMT

Matériau PCB: FR-4, CEM-1, CEM-3, carte à base d'aluminium

Taille maximale du PCB: 510x460mm

Taille minimale du PCB: 50x50mm

Épaisseur du PCB: 0,5 mm à 4,5 mm

Épaisseur du panneau: 0,5-4 mm

Taille minimale des composants: 0201

Composant de taille de puce standard: 0603 et plus

Hauteur maximale des composants: 15 mm

Pas de plomb mini: 0,3 mm

Pas de balle BGA minimum: 0,4 mm

Précision de placement: +/- 0,03 mm