

# Benvenuto in O-Leading

O-Leading si impegna per essere il partner della soluzione one stop nella catena di fornitura EMS, tra cui progettazione PCB, fabbricazione PCB e assemblaggio PCB (PCBA). Forniamo alcune delle tecnologie PCB più avanzate, tra cui PCB HDI, PCB multistrato, PCB rigidi-flessibili Siamo in grado di supportare dal prototipo a rotazione rapida alla produzione media e di massa. **produttore di PCB multistrato in Cina**

In generale, la nostra fiducia globale sono molto colpito dai nostri servizi: risposta rapida, prezzo competitivo e impegno di qualità. Fornire un servizio tecnico più prezioso e una soluzione globale è il modo in cui O-leader in avanti.

Guardando al futuro, O-Leading si concentrerà sull'innovazione e sullo sviluppo della tecnologia di produzione elettronica come sempre e farà sforzi costanti sul servizio one-stop PCB e PCBA per fornire servizi di prima classe e creare più valore per i nostri clienti.

Siamo produttori di PCB professionali con dieci anni di esperienza. Gamma di prodotti: PCB singolo, doppio lato, multistrato, PCB flessibile e MCPCB.

Siamo in grado di fornire un servizio di prototipazione veloce: S / S in 24 ore, 4-8 giocatori in 48-96 ore lavorative di produzione. Circuito stampato del pcb dei telefoni cellulari di OEM con l'alimentatore.

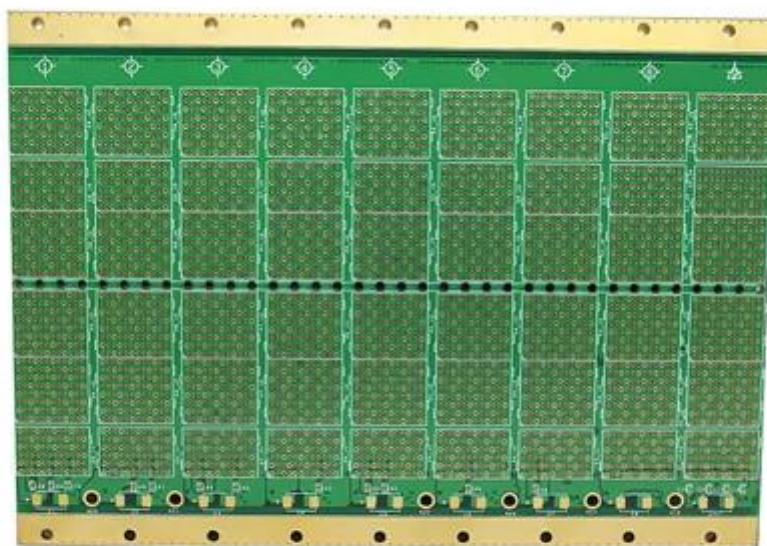
Fori per lastre di rame minimo 0,025 avg, 0,020 min. I fori devono essere collegati.

Confezione con pellicola a bolle trasparente incolore, 25 pezzi / borsa, mettere l'essiccante nel fianco, mettere la scheda dell'indicatore di umidità sul lato superiore

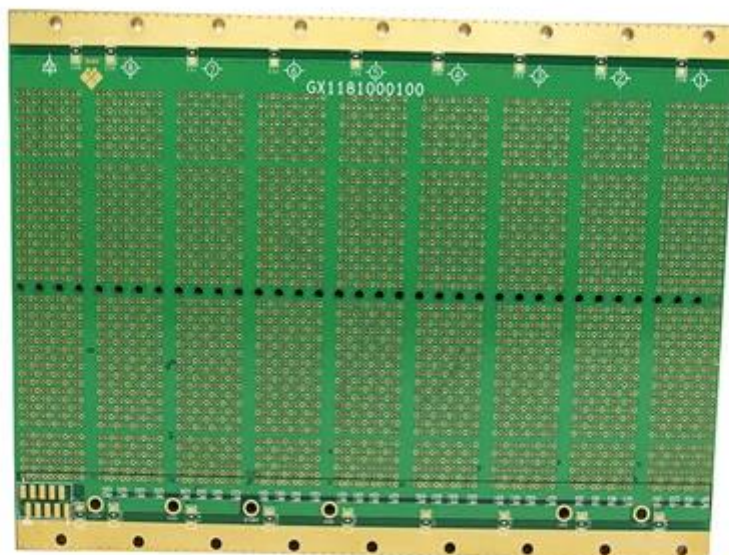
## [produttore di pcb Cina](#)

|                          |                                                     |                            |                              |
|--------------------------|-----------------------------------------------------|----------------------------|------------------------------|
| Luogo d'origine          | Guangdong, Cina (continente)                        | Marchio                    | O-leader                     |
| Materiale di base        | FR-4, Alluminio                                     | Spessore di rame           | 0,5 once-5 once              |
| Min. Dimensione del foro | 0,2 millimetri                                      | Min. Larghezza della linea | 0,2 millimetri               |
| Finitura superficiale    | oro da immersione, OSP, HASL senza piombo           | Spessore della scheda      | 0.1-5mm                      |
| applicabile a            | led, cellulare, condizionatori, lavatrici           | personaggio                | PCB di controllo industriale |
| certificati              | ISO9001, UL, RoHS, SGS                              | Q / CTN                    | 10PCS-100PCS                 |
| peso                     | 0,01 kg -5 kg                                       | MOQ                        | 10 pezzi                     |
| colore                   | blu, rosso, verde, nero. giallo                     | Min. Interlinea            | 0,2 millimetri               |
| Numero di modello        | produttore pcba assemblaggio<br>pcb banca di potere | prezzo                     | \$ 0,1- \$ 10                |
| tipo desigh              | requisito del cliente                               | taglia                     | 0.01m3-10m3                  |

## [Produttore di PCB a più strati Cina](#)



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



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

La nostra squadra



## 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



# certificazioni





## Test Report

No. SZXEC1900530401

Date: 30 Mar 2019

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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 Fan  
Approved Signatory



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For more information, please contact our sales representative. Please contact us at telephone: (86-755) 8307 1442 or email: [CHN.Sales@sgs.com](mailto:CHN.Sales@sgs.com)  
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## Test Report

No. SZXEC1900530401

Date: 30 Mar 2019

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Test Results :

### Test Part Description :

| Specimen No. | SGS Sample ID    | Description |
|--------------|------------------|-------------|
| 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.

| Test item(s)                 | Limit | Unit  | MDL | Q27 |
|------------------------------|-------|-------|-----|-----|
| Cadmium (Cd)                 | 100   | mg/kg | 2   | ND  |
| Lead (Pb)                    | 1,000 | mg/kg | 2   | 8   |
| Mercury (Hg)                 | 1,000 | mg/kg | 2   | ND  |
| Hexavalent Chromium (Cr(VI)) | 1,000 | mg/kg | 8   | ND  |
| Sum of PBBs                  | 1,000 | mg/kg | -   | ND  |
| Monobromobiphenyl            | -     | mg/kg | 5   | ND  |
| Dibromobiphenyl              | -     | mg/kg | 5   | ND  |
| Tribromobiphenyl             | -     | mg/kg | 5   | ND  |
| Tetrabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Pentabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Hexabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Heptabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Octabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Nonabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Decabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Sum of PBDEs                 | 1,000 | mg/kg | -   | ND  |
| Monobromodiphenyl ether      | -     | mg/kg | 5   | ND  |
| Dibromodiphenyl ether        | -     | mg/kg | 5   | ND  |
| Tribromodiphenyl ether       | -     | mg/kg | 5   | ND  |
| Tetrabromodiphenyl ether     | -     | mg/kg | 5   | ND  |
| Pentabromodiphenyl ether     | -     | mg/kg | 5   | ND  |



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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<br>Thk<br>mic(mil) | SS/<br>DS/<br>DSO | Max        | Max    |      | Meets<br>UL796<br>Class | C<br>T<br>DSR |       |   |
|---------------------------------------------------|---------------|---------------|-------------------------|-------------------|------------|--------|------|-------------------------|---------------|-------|---|
|                                                   | Min           | Min           |                         |                   | Area       | Solder | Oper |                         |               | Flame |   |
|                                                   | mm(in)        | mm(in)        |                         |                   | Diam       | Limits | Temp |                         |               | Temp  |   |
| 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)<br>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

|                      |              |              |           |    |            |     |   |     |     |     |   |
|----------------------|--------------|--------------|-----------|----|------------|-----|---|-----|-----|-----|---|
| <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                |

## Capacità di processo

### Funzionalità di produzione di PCB

Conteggio strati: 1 strato-32 strati

Spessore rame finito □ 1 / 3oz-12oz

Larghezza min linea / spaziatura interna □ 3.0mil / 3.0mil

Larghezza min linea / spaziatura esterna: 4.0mil / 4.0mil

Rapporto di aspetto massimo: 10: 1

Spessore della scheda □ 0,2 mm-5,0 mm

Dimensione massima del pannello (pollici): 635 \* 1500mm

Dimensione minima del foro: 4mil

Tolleranza del foro Plated: +/- 3mil

Blind / Buried Vias (tipi All): Sì

Via Fill (conduttivo, non conduttivo): Sì

Materiale base: FR-4, FR-4hg Tg. Materiale privo di alogeni, Rogers, Base in alluminio,poliimide,  
Rame pesante

Finiture superficiali: HASL, OSP, ENIG, HAL-LF, argento mmmm,Immersion Tin, dita d'oro, inchiostro al carbonio

## **Capacità di produzione SMT**

Materiale PCB: FR-4, CEM-1, CEM-3, scheda a base di alluminio

Dimensione massima PCB: 510x460mm

Dimensioni min PCB: x 50x50mm

Spessore PCB □ 0,5 mm-4,5 mm

Spessore della scheda □ 0,5-4mm

Dimensioni min componenti: 0201

Componente di dimensione del chip standard: 0603 e superiore

Altezza massima componente □ 15mm

Passo minimo di piombo: 0,3 mm

Passo palla BGA min: 0.4mm

Precisione di posizionamento: +/- 0,03 mm