

# Welkom bij O-leading

Wij zijn professionele PCB-fabrikant met meer dan tien jaar ervaring. Producten variëren van enkele, dubbele, meerlaagse PCB, flexibele PCB en MCPCB. We kunnen snelle prototypeservice leveren - S / S in 24 uur, 4-8 lagen in 48-96 werkuren productietijd.

[HEAVY COPPER BOARD fabrikant china](#)

KOPEREN PLAATGATEN MINIMUM .025 GEM., .020 MIN .. GATEN MOGEN NIET WORDEN AANGESLOTEN

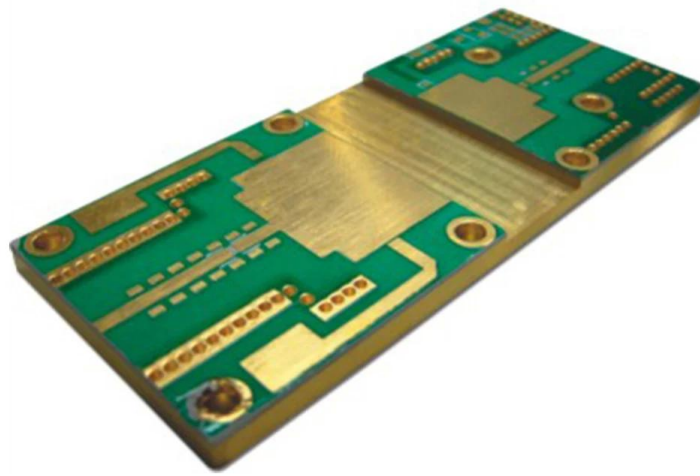
Pak met kleurloze transparante bubbelfilm, 25 stuks / zak, doe droogmiddel in de flank, plaats de vochtigheidsindicatiekaart op de bovenkant

KLIK DEZE VOOR MEER INFORMATIE [PCB met Copper Filling groothandel](#)

## product beschrijving

PCB P / N	Q508756-C
Layer Count	2L
Materiaal	Base Keramiek
Bestuur thk	0.50mm
koperen thk	1/1z
Kleinste gatmaat	1,6 mm
Aantal gaten (stuks)	4
lijn w / s	1.27mm
ikmpedaal controle. J / N (Tol%)	N
Oppervlakteafwerking	ENIG
Soldeermasker Zeefdruk	N.v.t.
Formaat enkele plaat	Dim X (mm): 50; Dim Y (mm): 55
Panelen	Dim X (mm): 50; Dim Y (mm): 55; Nee van UPS: 1
Bijzonder: afpelbaar masker	N
Routering / ponsen	CNC

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

[Koper gebaseerde PCB-fabrikant China](#)

## FAQ

### 1. Hoe zorgt O-Leading voor kwaliteit?

Onze hoge kwaliteitsstandaard wordt bereikt met het volgende.

1. Het proces wordt strikt gecontroleerd volgens de ISO 9001: 2008-normen.
2. uitgebreid gebruik van software bij het beheer van het productieproces
3. state-of-art testen van apparatuur en gereedschappen. Bijv. Flying Probe, X-ray Inspection, AOI (Automated Optical Inspector) en ICT (in-circuit testen).
4. toegewijd team voor kwaliteitsborging met analyseproces voor falingsgevallen
5. Continue training en opleiding van het personeel

### 2. Hoe houdt O-Leading uw prijs concurrerend?

In de afgelopen tien jaar waren de prijzen van veel grondstoffen (bijv. Koper, chemicaliën) verdubbeld, verdrievoudigd of verviervoudigd; RMB in Chinese valuta was met 31% gestegen ten opzichte van de Amerikaanse dollar; En onze arbeidskosten stegen ook aanzienlijk. O-Leading heeft onze prijzen echter stabiel gehouden. Dit is volledig onze eigendom van onze innovaties in het verminderen van kosten, het vermijden van verspilling en het verbeteren van efficiëntie. Onze prijzen zijn zeer concurrerend in de branche op hetzelfde kwaliteitsniveau. Wij geloven in een win-win-samenwerking met onze klanten. Ons partnerschap zal voor beide partijen voordelig zijn als we u een voorsprong op kosten en kwaliteit kunnen bieden.

3. Welke soorten boards kan O-Leading verwerken?

Gebruikelijke FR4, high-TG en halogeenvrije boards, Rogers, Arlon, Telfon, aluminium / koper-gebaseerde boards, PI, etc.

4. Welke gegevens zijn nodig voor de productie van PCB's?

Het is het beste om gegevens in Gerber 274-X-formaat op te geven. Daarnaast kunnen ook Cam350, CAD, Protel 99se, PADS, DXP en Eagle worden verwerkt.

5. Wat is de typische processtroom voor meerlagige PCB's?

Materiaal snijden → Innerlijke droge film → Inner etsen → Inner AOI → Multi-bond → Layer stack up Pressing → Drilling → PTH → Panel Plating → Outer Dry Film → Pattern Plating → Outer etching → Outer AOI → Solder Mask → Component Mark → Surface finish → Routing → E / T → Visuele inspectie.

## Ons team



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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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# Certificeringen

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
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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. For the sake of clarity see also the note.






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

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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**  
 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	
<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) 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

## Process Capability

### PCB-productiemogelijkheden

Layer Count: 1Layer-32Layer

Afgewerkte koperdikte □ 1 / 3oz-12oz

Min. Lijnbreedte / -afstand intern □ 3,0 mil / 3,0 mil

Min. Lijnbreedte / afstand extern: 4,0 mil / 4,0 mil

Max. Beeldverhouding: 10: 1

Plaatdikte: 0,2 mm - 5,0 mm

Max. Paneelgrootte (inch): 635 \* 1500 mm

Minimale boorgatgrootte: 4 mil

Plated Hole Tolerance: +/- 3mil

Blind / Buried Vias (All-typen): JA

Via opvulling (geleidend, niet-geleidend): JA

Basismateriaal: FR-4, FR-4high Tg. Halogeenvrij materiaal, Rogers, aluminium basis,Polyimide,  
Zwaar koper

Oppervlaktaefwerkingen: HASL, OSP, ENIG, HAL-LF, Immersion zilver,Immersion Tin, Gold fingers, Carbon inkt

## **SMT-productiemogelijkheden**

PCB-materiaal: FR-4, CEM-1, CEM-3, op aluminium gebaseerde plaat

Max PCB-maat: 510x460mm

Min PCB-afmeting □ 50x50mm

PCB-dikte: 0,5 mm - 4,5 mm

Plaatdikte □ 0,5-4 mm

Min Componenten grootte: 0201

Standaard chipformaat component: 0603 en groter

Maximale hoogte component □ 15 mm

Min lood toonhoogte: 0,3 mm

Min BGA-balafstand: 0,4 mm

Plaatsingsprecisie: +/- 0,03 mm