# 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.
(koperen basis PCB-fabrikanten)

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

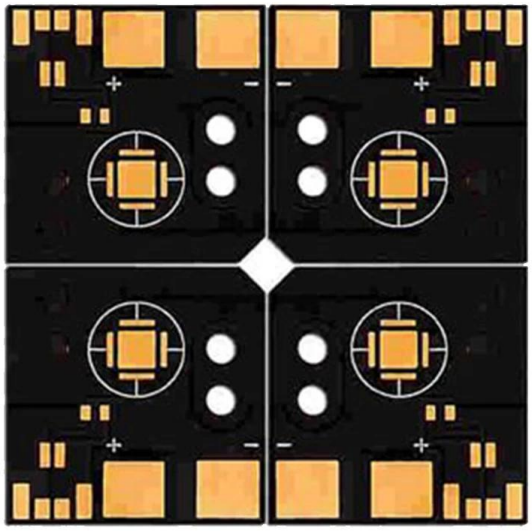
Pak met kleurloze transparante bubbelfilm, 25 stuks / zak, doe droogmiddel in de flank, plaats de vochtigheidsindicatiekaart op de bovenkant

KLIK DEZE VOOR MEER INFORMATIE:

# product beschrijving

| | |
|---|---|
| PCB P / N | Q501805-A |
| Layer Count | 2L |
| Materiaal | Base Keramiek |
| Bestuur thk | 0,50 mm |
| koperen thk | 1 / 1oz |
| Kleinste gatmaat | 1,6 mm |
| Aantal gaten (stuks) | 4 |
| lijn w / s | / |
| Impedantiecontrole. J / N (Tol%) | N |
| Oppervlakteafwerking | ENIG |
| Soldeermasker Zeefdruk | N.v.t. |
| Formaat enkele plaat | Dim X (mm): 109; Dim Y (mm): 50 |
| Panelen | Dim X (mm): 109; Dim Y (mm): 50; Nee van UPS: 1 |
| Speciaal | N |
| Routering / ponsen | CNC |

O-LEADING
To Be Reliable, To Be Valuable



www.o-leading.com

PCB met Copper Filling groothandel

# Ons team

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To Be Reliable, To Be Valuable

# Certificeringen

## Quality Management System Certificate

This is to certify that
(Organization Code Certificate : 61691591-000-07-16-8)

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

ROOM 603D, 6/F HANG PONT COMMERCIAL BUILDING, 31 TONKIN ST., CHEUNG SHA WAN, KL, HK

has been established the quality management system meeting the requirements of standard

**GB/T19001-2008/ISO9001:2008**

**Scope:**

**Certification Address:** Room 1313, Fortune Building, Nanheng West Road, Huiyang District, Huizhou, Guangdong, China

**Certification Activities:** Sales and services of printed circuit boards

**Certificate No.: 51816Q01163R0S**

**Issued Date :** 2016-11-17 **Valid to :** 2018-09-15

**Initial Issued Date :** 2016-11-17 **Renewal Date :** ***

GM

CICC INSPECTION CERTIFICATION

CICC CERTIFICATION 嘉泰认证

## QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 18118Q10347R0S

**We hereby certify that**

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

Credit No: 61691591-000-07-17-2

Registration Add:ROOM 603D,6/F HANG PONT COMMERCIAL BUILDING,31 TONKIN ST,CHEUNG SHA WAN,KL,HK

Business Add:1313,Floor 13,Fortune Building,Danshui Town,Huiyang District, Huizhou,Guangdong,China

Has implemented and maintains a **Quality Management System**
Which fulfils 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
This certificate is valid during: February 27, 2018 — February 26, 2021
This certificate is invalid without CICC qualified label in the following period

| First supervision and audit | Qualified mark | Second supervision and audit | Qualified mark |
|---|---|---|---|

The certification registration scope doesn't include those product/service scopes which fail to be covered by the relevant effective administration permission and qualification permission regulated by the state.
The effectiveness of this certificate shall be validated by annual surveillance audit of CICC the certificate shall be valid that used together with the surveillance audit conclusion.
The related information of this certification can be searched at the portal
On the site of company www.cicc-hk.com

CICC CERTIFICATION IAF CNAS

2017/2/6 ZPMV2.E490354 - Wiring, Printed - Component

UL ONLINE CERTIFICATIONS DIRECTORY

**ZPMV2.E490354**
**Wiring, Printed - Component**

For enhanced search functionality, please visit UL's iQ™ Family of Databases.
Click on a product designation for complete information.
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### Wiring, Printed - Component

See General Information for Wiring, Printed - Components

**O-LEADING SUPPLY CHAIN CO LIMITED** E490354
Fortune Building, Nanheng West Road
Room 1313
Huizhou, Guangdong 516211, CHINA

| | Cond Width | | | | Max | | | Max | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min | Cond | SS/ | Area | Solder | | Oper | | Meets | C |
| | Min | Edge | Thk | DS/ | Diam | Limits | | Temp | Flame | UL796 | T |
| Type | mm(in) | mm(in) | mic(mil) | DSO | mm(in) | C | sec | C | Class | DSR | I |
| **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:135 | DS | 50.8 (2.0) | 260 | 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 | 69.8 (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 | - |

* - 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.
Last Updated on 2017-01-27

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SGS

**Test Report** No. CANEC1805164701 Date: 03 Apr 2018 Page 2 of 6

Test Results :

Test Part Description :

| Specimen No. | SGS Sample ID | Description |
|---|---|---|
| SN1 | CAN18-051647.001 | 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, IEC62321-5:2013, IEC62321-7-2:2017 , IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

| Test Item(s) | Limit | Unit | MDL | 001 |
|---|---|---|---|---|
| Cadmium (Cd) | 100 | mg/kg | 2 | ND |
| Lead (Pb) | 1,000 | mg/kg | 2 | 9 |
| Mercury (Hg) | 1,000 | mg/kg | 2 | ND |
| Hexavalent Chromium (CrVI) | 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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Member of the SGS Group (SGS SA)

# Verpakking en levering

| | |
|---|---|
| Details over de verpakking | 16 jaar professionele OEM printplaat fabrikant |
| Levering Detail | 7-12 dagen |

# FAQ

1. Hoe zorgt O-Leading voor kwaliteit? HEAVY COPPER BOARD fabrikant china
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 managen 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.