

# O-leading 00 00 000000

000 10 0 000 000 00 00 PCB 00000000. 00 00 : 00, 00, 00 PCB, 000 PCB 0 MCPCB. 000 00 000 00 0000 00 0  
0 0000 : 24 00 00 S / S, 48-96 00 000 4-8 0.

(00.000 PCB 00 00.00)

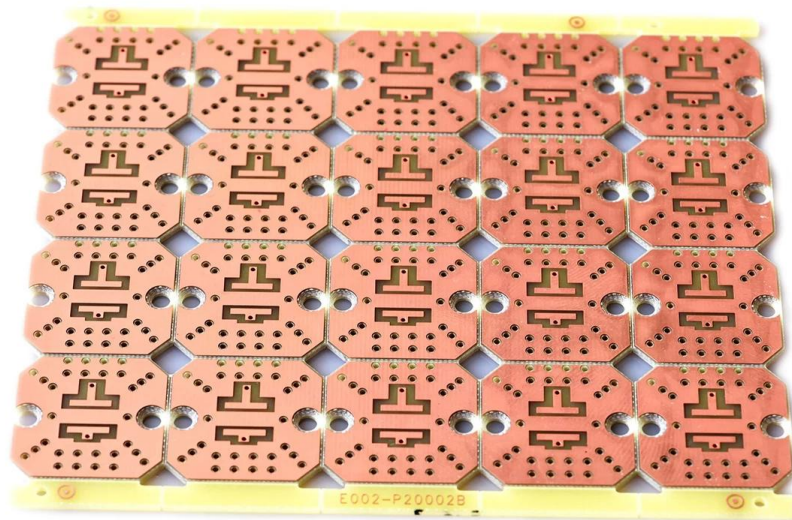
000 00 00 .025 AVG, .020 0 .. 0000 000 0 00

00 00 00 00 000, 25 0 / 00, 00000 0000 00 00 0000 0000 00000.

00 0000 00000 0000 00000000 :

## 00 00

PCB P / N	LE-500V1
0000 00	1L
00	00 000
000	1.6mm
000 thk	1 00
00 00 00 00	2.0 mm
00 0 (pc00)	16
00 w /00	20/20 0
S / N 00000 00 (Tol %)	0
00 000	ENIG (Au : 0.05um)
00 0000 00 000	0000 00
00 00	000 X (mm) : 000 X (mm) : 100; 000 Y (mm) : 115
000	000 X (mm) : 100; 000 Y (mm) : 115; UPS 00 : 1
0000 : 00 0 000	0
0000 / 00	0000 00 CNC 0000 +



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

**PCB 製造 品質 管理 系統**

**品質 管理 系統**

1. O-Leading 品質 管理 系統 是什麼? **品質 管理 系統**

品質 管理 系統 是 指 在 生產 過程 中 對 產品 質量 進行 控制 和 管理 的 系統。

1. 通過 ISO 9001 : 2008 認證 的 品質 管理 系統。

2. 對 於 產品 質量 進行 全面 控制 和 管理。

3. 品質 管理 系統 包括 品質 管理 系統、X-ray 檢測、AOI (Automated Optical Inspector) 和 ICT (in-circuit test)。

4. 品質 管理 系統 包括 品質 管理 系統 和 品質 管理 系統。

5. 品質 管理 系統 包括 品質 管理 系統。

2. O-Leading 品質 管理 系統 是什麼 品質 管理 系統?

品質 10 年 來 的 品質 管理 系統 (品質 管理 系統) 是 指 在 生產 過程 中 對 產品 質量 進行 控制 和 管理 的 系統。品質 管理 系統 包括 品質 管理 系統 31 % 的 品質 管理 系統。品質 管理 系統 包括 品質 管理 系統。品質 管理 系統 包括 品質 管理 系統。品質 管理 系統 包括 品質 管理 系統。品質 管理 系統 包括 品質 管理 系統。

品質 管理 系統 包括 品質 管理 系統。品質 管理 系統 包括 品質 管理 系統 和 品質 管理 系統。

3. O-Leading 品質 管理 系統 是什麼 品質 管理 系統?

FR4 材料、TG 材料 的 品質 管理 系統、Rogers, Arlon, Telfon, 品質 管理 系統 / 品質 管理 系統, PI 材料

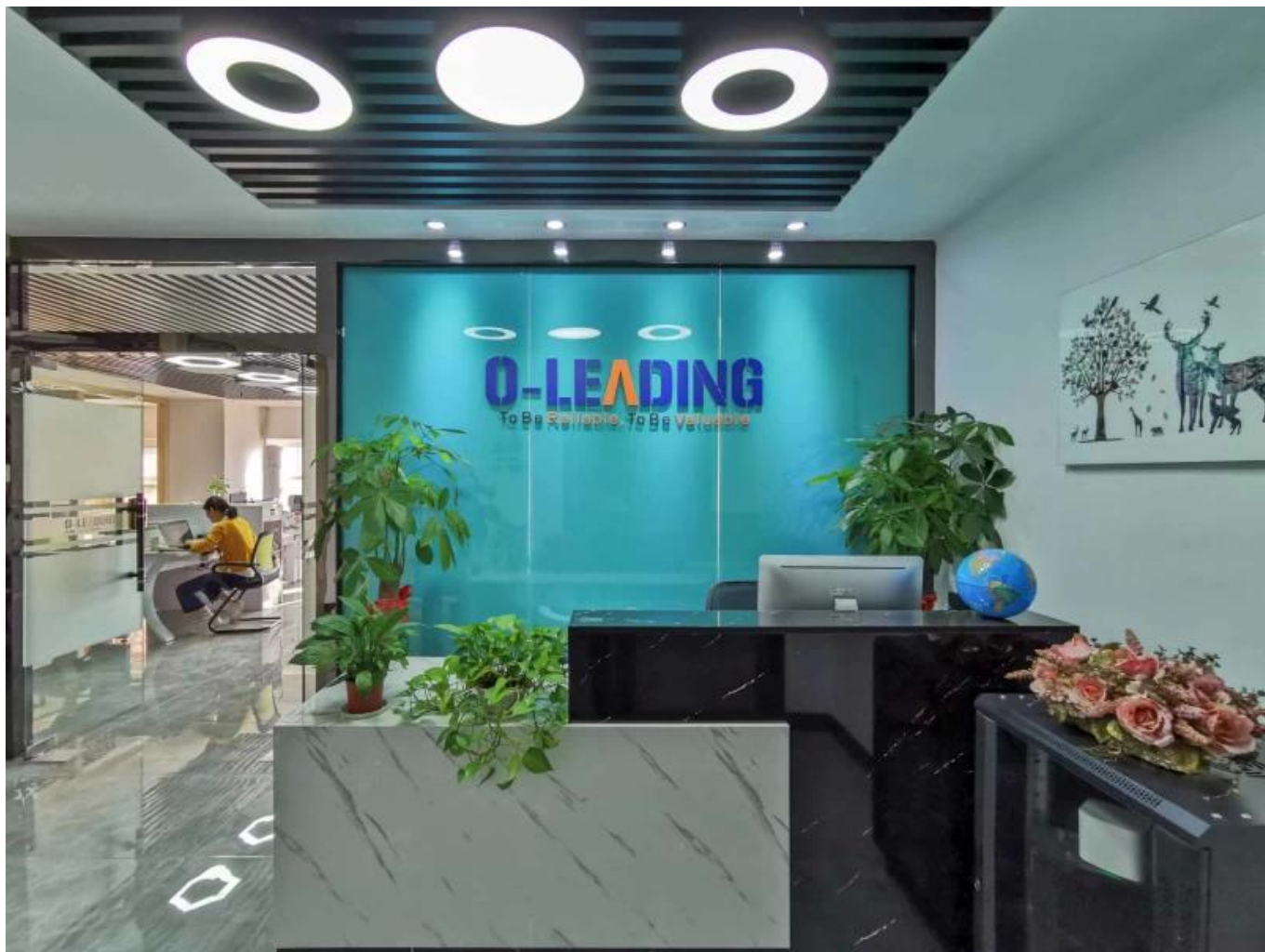
4. PCB 品質 管理 系統 是什麼 品質 管理 系統?

Gerber 274-X 圖檔 圖檔 圖檔 圖 圖檔. 圖 Cam350, CAD, Protel 99se, PADS, DXP 圖 Eagle 圖 圖 圖 圖 圖.

5. 圖 PCB 圖檔 圖檔 圖 圖檔?

圖 圖 → 圖 圖 圖 → 圖 圖 → 圖 AOI → 圖 圖 → 圖 圖 圖 圖 → 圖 → PTH → 圖 → 圖 圖 圖 → 圖 → 圖 圖 → 圖 AOI → 圖 圖 → 圖 圖 圖 → 圖 圖 → 圖 → E / T → 圖 圖.

圖 圖



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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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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

第一次复审	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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SGS (China) Standards Technical Services Co., Ltd. Shenzhen Branch
Address: Shenzhen, China
Tel: +86-755-25208888 / +86-755-83106190 / www.sgs.com.cn
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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 Area Diam	Max Solder Limits		Max Oper Temp		Meets UL796	C
	Min	Edge				C	sec	C	Class		
	mm(in)	mm(in)	mic(mil)		mm(in)	C	sec	C	Class	DSR	I
<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



### PCB 00 00

000 0 : 1Layer-32Layer

00 0 00 00 : 1 / 3oz-12oz

00 00 0 / 00 00 : 3.0mil / 3.0mil

00 00 0 / 00 00 : 4.0mil / 4.0mil

00 000 : 10 : 1

00 00 : 0.2mm-5.0mm

00 00 00 (00) : 635 \* 1500mm

00 00 00 00 : 4mil

Plated 00 00 : +/- 3mil

Blind / Buried Vias (All 00) : 0

0000 00 (0000, 00 00) : 0

00 00 : FR-4, FR-4high Tg.Halogen free material, Rogers, Aluminium base,0000 00,

0000 00

00 00 : HASL, OSP, ENIG, HAL-LF, 0000,00 00, 0 0000, 00 00

### SMT 00 00

PCB 材料 : FR-4, CEM-1, CEM-3, 銅箔 銅 箔

銅 PCB 尺寸 : 510x460mm

銅 PCB 尺寸 : 50x50mm

PCB 厚度 : 0.5mm-4.5mm

銅 箔 厚 0.5-4mm

銅 箔 厚 厚 : 0201

銅 箔 厚 厚 厚 : 0603 厚

銅 箔 厚 厚 厚 15mm

銅 箔 厚 : 0.3mm

銅 BGA 厚 厚 : 0.4mm

銅 箔 厚 : +/- 0.03mm