

O-Leading 0 0 0 0 0 0

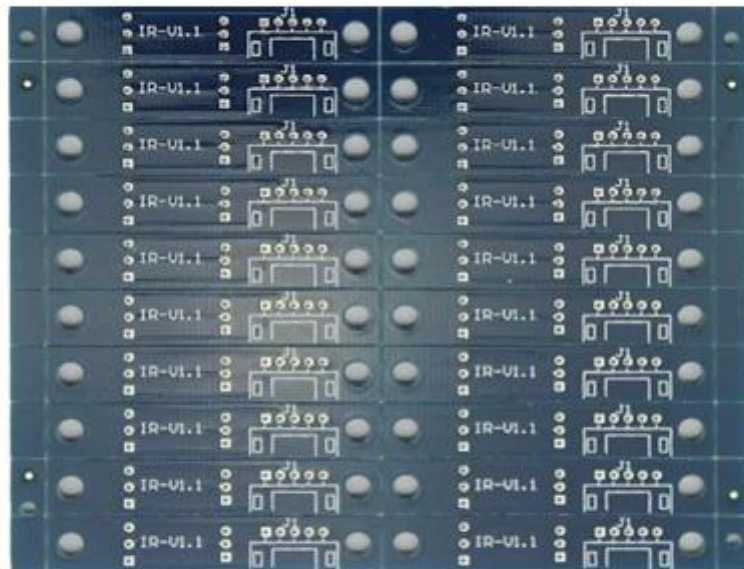
O-Lead PCB 00, PCB 00 0 PCB 0000 (PCBA) 000 EMS 00000 000 0 00 000 000000 00 000000. 0000 HDI PCB, 0 0 PCB, Rigid-Flexible PCB 0000 00 00 0 PCB 00 0 0000 000000. 0000 00 0 0000 00000 00 0 00 00000 0000 0 00000.

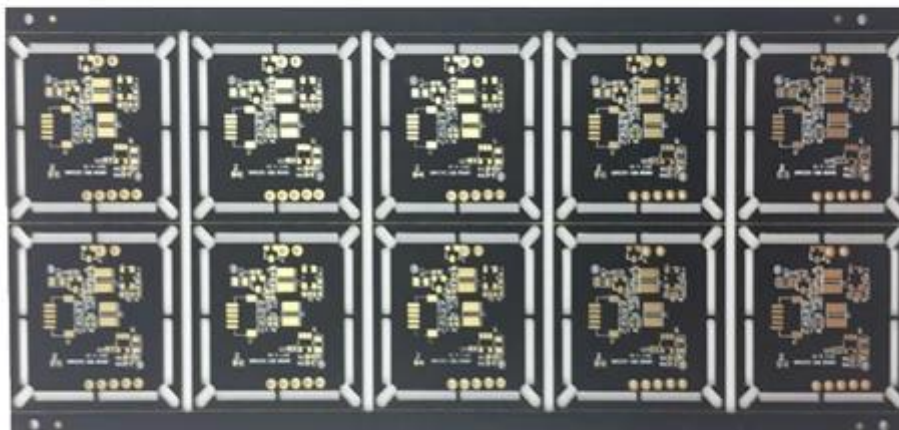
000000 0000 0000 0000 0000 00 00 0000 000000 : 0000 00, 000000 00 0 0000 00-00 00000 00 0000 0 00000 00000 00000 0 00 0- 0000 0 000000.

0000 00 0000 00 00 0000 0000 0000 0000 00 00 00 0000 0000 0000 00 00000 00000 0000 0000 00 0 00 0000 00000 00 PCB 0 PCBA 0 00 00000 00 00000 0000 0000 00000.

0000 0000 0000 0000000. [0000 00-00 00](#), [0000 00 PCB 00-00](#), [00 PCB 00 00-00](#)

0000	Guang Dong, China (00)	0000	o-leading.
00 00	FR-4, 00000	00 00	0.5oz-5oz.
00. 00 00	0.2mm.	00. 00	0.2mm.
00 0000	00 0, OSP, 00 00 HASL.	00 00	0.1-5mm.
00 00	LED, 00 00, 0000, 0000	0000	0000 00 PCB
0000	ISO9001, UL, RoHS, SGS.	Q / CTN.	10pcs-100pcs.
00	0.01kg -5kg.	MOQ	10pcs.
00	00, 00, 00, 00	00. 00 00	0.2mm.
00 NUMB.000000 00	00 00 PCB 0000 PCBA 00 00	00	\$ 0.1 - \$ 10.
design 00	00 00 00	0000	0.01m3-10m3.





www.o-leading.com





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





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 certificate registration fee ranges from 1,000 to 10,000 RMB. The certificate registration fee is not included in the price of the certificate. The certificate registration fee is not included in the price of the certificate. The certificate registration fee is not included in the price of the certificate.

The initial issuance of this certificate can be searched on the portal of CNAS. See cnas.gov.cn for the rules of issuance. See cnas.gov.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

第一次监审	第二次监审	黏贴处
-------	-------	-----

本证书认证范围不包括未取得有效的国家规定的行政许可、资质许可的产品/服务范围; 本证书通过 CICC 定期监督审核保持, 与年度《保持认证通知书》共同方为有效; 本证书信息可在国家认监委网站: www.cnca.gov.cn 及 CICC 网站 www.cicc-cert.com 查询。






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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/sgs/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/terms-and-conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that unless they expressly refer to the Company's liability at the time of its intended use and within the limits of China's jurisdiction, it is the Company's sole responsibility to its Client and this document does not constitute an offer of a transaction or an invitation to enter into a transaction or to exercise any rights and obligations under the transaction documents. This document cannot be reproduced or used in any form without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the samples tested.

SGS (China) Standards Technical Services Co., Ltd. Shenzhen Branch. 518129 | 86-755-2528888 | 86-755-83106190 | www.sgs.com.cn
 中国·深圳·龙岗区域街道办牛栏前430号工业路430号505A室 邮编: 518129 | 86-755-2528888 | 86-755-83106190 | sgs.china@sgs.com

Member of the SGS Group (SGS SA)

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, 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	027
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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/sgs/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/terms-and-conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that unless they expressly refer to the Company's liability at the time of its intended use and within the limits of China's jurisdiction, it is the Company's sole responsibility to its Client and this document does not constitute an offer of a transaction or an invitation to enter into a transaction or to exercise any rights and obligations under the transaction documents. This document cannot be reproduced or used in any form without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the samples tested.

SGS (China) Standards Technical Services Co., Ltd. Shenzhen Branch. 518129 | 86-755-2528888 | 86-755-83106190 | www.sgs.com.cn
 中国·深圳·龙岗区域街道办牛栏前430号工业路430号505A室 邮编: 518129 | 86-755-2528888 | 86-755-83106190 | sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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)		mm(in)	C	sec	C	Class	UL796	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: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.

并不是所有出现在本数据库中的公司名称和产品都满足了UL跟踪检验服务的要求。只有带有UL标志的产品，才应该被视为经过UL认证，并满足UL跟踪检验服务的要求。注意查看产品上的标志。

UL 允许在线认证目录中所含材料的复制遵循以下条件：1.指南信息、装配、构造、设计、系统和/或认证（文件）必须在不篡改任何数据（或图纸）的情况下完整且无误导性地呈现。2.经UL允许从在线认证目录转载“声明必须出现在所提取材料的邻近位置。此外，转载材料必须包含以下格式的版权声明：“© 2019 UL LLC”



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 规格

层数 : 1Layer-32layer.

重量 : 1 / 3oz-12oz.

铜厚 / 铜箔 : 3.0mil / 3.0mil

铜厚 / 铜箔 : 4.0mil / 4.0mil

铜厚 : 10 : 1.

厚度 : 0.2mm-5.0mm.

板面尺寸 (mm) : 635 * 1500mm

最小孔径 : 4mil.

孔径公差 : +/- 3mil.

盲孔 / 微孔 (All) : 可

VIA 类型 (通孔, 盲孔) : 可

基材 : FR-4, FR-4High TG.Halogen 阻燃, 环氧, 陶瓷填充, 铜箔

表面处理

表面处理 : HASL, OSP, ENIG, HAL-LF, LMMersion 可,Immersion tin, 可, 可

SMT 规格

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 : 0.5-4mm.

銅 箔 銅 箔 : 0201.

銅 箔 銅 箔 銅 箔 : 0603 銅 箔

銅 箔 銅 箔 : 15mm

銅 箔 銅 箔 : 0.3mm.

銅 BGA 銅 箔 : 0.4mm.

銅 箔 : +/- 0.03mm.