

Vítejte na O-leaderu

Společnost O-Leading se snaží být vaším partnerem pro řešení na jednom místě v dodavatelském řetězci EMS, včetně návrhu PCB, výroby PCB a montáže PCB (PCBA). Poskytujeme některé z nejpokročilejších technologií PCB, včetně HDI PCB, vícevrstevných PCB, pevných PCB . Můžeme podporovat od rychlého otočení prototypu po střední a hromadnou výrobu. (**[Vysoce kvalitní výrobce desek plošných spojů](#)**)

Naši globální zákazníci jsou obecně našimi službami velmi ohromeni: Rychlá odezva, konkurenceschopné ceny a závazek kvality. Poskytování cennějších technických služeb a celkového řešení je cesta vedoucí k O.

Při pohledu do budoucnosti se O-leader soustředí na inovace a vývoj technologie výroby elektroniky jako vždy a vytrvale usiluje o jednorázovou službu PCB a PCBA s cílem poskytovat prvotřídní služby a vytvářet větší hodnotu pro naše zákazníky.

KLIKNUTÍM NA TÉTO INFORMACE **[vedl výrobce desek plošných spojů](#)**

Popis výrobku

Místo původu	Guang dong, Čína (pevnina)	Jméno značky	O-vedoucí
Základní materiál	FR-4, Hliník	Tloušťka mědi	0,5oz-5oz
Min. Velikost otvoru	0,2 mm	Min. Šířka čáry	0,2 mm
Povrchová úprava	imerzní zlato, OSP, HASL bez obsahu olova	Tloušťka desky	0,1 - 5 mm
použitelné pro	led, mobilní telefon, klimatizace, pračky	charakter	Průmyslová kontrola pcb
certifikáty	ISO9001, UL, RoHS, SGS	Q / CTN	10PCS-100PCS
hmotnost	0,01 kg -5 kg	MOQ	10ks
Modelové číslo	PowerBank pcb montáž pcca výrobce	Min. Řádkování	0,2 mm
barva	modrá, červená, zelená, černá	cena	0,1-10 \$
tupý typ	požadavek klienta	velikost	0,01 m3 - 10 m3

Výrobní schopnost

16 let profesionální výroba desek plošných spojů OEM

položka	2014		2015 ~ 2016		2017 ~ 2018	
	Objem	Vzorek	Objem	Vzorek	Objem	Vzorek
Počet vrstev	32	42	38	44	42	48
Min. Řádek / mezera (μm)	50/50	40/45	40/45	40/40	35/40	35/35
Min vrtací otvor průměr (mm)	0,15	0,10	0,15	0,10	0,15	0,10
Poměr stran PTH	14: 1	16: 1	16: 1	18: 1	18: 1	20: 1
N + C + N	4 + C + 4	5 + C + 5	5 + C + 5	6 + C + 6	5 + C + 5	6 + C + 6

Jakékoli propojení vrstev	5 + 2 + 5	6 + 2 + 6	5 + 2 + 5	6 + 2 + 6	5 + 2 + 5	6 + 2 + 6
Plnění destiček přes	ANO	-	ANO	-	ANO	-
Min. tloušťka jádra (kromě mědi) (μm)	50	40	40	30	40	30
Min. Průměr laserového vrtáku (μm)	75	65	65	50	50	40
Via na pohřben díra / naskládání prostřednictvím	ANO	-	ANO	-	ANO	-
Material	FR4, Megtron, Nelco, Rogers, těžká měď atd.					
Vestavěný kondenzátor PCB	ANO	-	ANO	-	ANO	-
Povrchový proces	Bezolovnatý HASL, ENIG, OSP, imerzní stříbro, iminzní cín, Bleskové zlato, Pokovování zlatým prstem, Selektivní pokovování tvrdým zlatem, Odlupovací pájecí maska, uhlíkový inkoust					







www.o-leading.com

Náš tým



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



Certifikace

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 VOEUS ROAD CENTRAL 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
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 certification registration is subject to the scope of the product/service which shall be covered by the relevant effective administrative procedures and qualification procedures required by the state. The effectiveness of this certificate shall be replaced by annual surveillance audit of CICC the certificate shall be valid also and together with the surveillance audit with renewal.

The initial issuance of this certificate can be searched on the portal of CICC www.cicc.gov.cn by the date of issuance www.cicc.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跟踪合格标志, 本证书无效

第一次监督	第二次监督	贴标处
-------	-------	-----

本证书认证范围不包括未获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.gov.cn 查询。








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 Fan
Approved Signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed on the back, available on request or accessible at <http://www.spa.com/terms-and-conditions> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.spa.com/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is deemed to have read, understood and accepted the terms and conditions of the document and to have agreed to follow the Client's instructions, if any. The Company's sole responsibility is to its Client and the document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without prior written permission of the Company. Any unauthorized use or reproduction 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 test report refer only to the samples tested.

99-5555, No.4, Jiangnan Industrial Park, No.43, Jiao Road, Saitan, Longgang District, Shenzhen, China 518129 | (86-755) 25326888 | (86-755) 83106190 | www.sgsigroup.com.cn
中国·深圳·龙岗区坂田南环路43号江田工业园4楼SGS中国总部 邮编: 518129 | (86-755) 25326888 | (86-755) 83106190 | e.sas.china@sgs.com

Member of the SGS Group (SGS SA)



No. SZXEC1900530401

Date: 30 Mar 2019

Page 2 of 6

Test Results :

Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	SZX19-005304.001	Green™PCB

Remarks :

(1) $1 \text{ mg/kg} = 1 \text{ ppm} = 0.0001\%$

(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	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
Tri bromobiphenyl	-	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
Tri bromodiphenyl 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 elsewhere, available on request or accessible at <http://www.spa.com/terms-and-conditions.asp>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.spa.com/terms-and-conditions/Terms-Electronic-Document.asp>. It is drawn to the satisfaction of the Company and jurisdiction remains with the Company. The Company does not warrant or accept any liability for any loss or damage, including consequential loss, arising from the use of this document. The Company does not accept any liability for any loss or damage, including consequential loss, arising from the use of this document. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Company. The 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 test report refer only to the samples tested.

SGS Bldg, 4/F, Jangde Industrial Park, No.400, Jiahu Road, Bantian, Lingyuan District, Shenzhen, China 518129 t (86-755) 25328888 f (86-755) 83106190 www.sgsgroup.com.cn
中国·深圳·龙岗区坪地街道430号江鹏工业园4楼SGS大厦 邮编: 518129 t (86-755) 25328888 f (86-755) 83106190 e sgsgchina@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

E490354

ROOM 1205, 12/F
TAI SANG BANK BLDG
130-132 DES VOEUS ROAD
CENTRAL, HONG KONG

Type	Cond Width		Cond Thk mic(mil)	SS/ DS/ DSO	Max		Max		Meets		C
	Min	Min			Area	Solder	Oper	Flame	UL796	T	
	mm(in)	mm(in)			Diam	Limits	Temp	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: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”声明必须出现在所摘取材料的邻近位置。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

Schopnost procesu

Schopnosti výroby PCB

Počet vrstev: 1Layer-32Layer

Konečná tloušťka mědi □ 1 / 3oz-12oz

Min Šířka / mezera interní internal 3,0 mil / 3,0 mil

Min Šířka / rozteč linek externí: 4,0 mil / 4,0 mil

Maximální poměr stran: 10: 1

Tloušťka desky □ 0,2 mm - 5,0 mm

Maximální velikost panelu (palce): 635 x 1500 mm

Minimální velikost vrtané díry: 4 mil

Tolerance plated Hole: +/- 3mil

Blind / Buried Vias (typy AII): ANO

Prostřednictvím výplně (vodivé, nevodivé): ANO

Základní materiál: FR-4, FR-4high Tg.Halogenový materiál, Rogers, Hliníková základna,Polyimid,

Těžká měď

Povrchové úpravy: HASL, OSP, ENIG, HAL-LF, Immersion silver,Immersion Cín, Zlaté prsty, Uhlíkový inkoust

Výrobní schopnosti SMT

Materiál DPS: FR-4, CEM-1, CEM-3, deska na bázi hliníku

Maximální velikost DPS: 510 x 460 mm

Minimální velikost DPS □ 50x50 mm

Tloušťka DPS □ 0,5 mm - 4,5 mm

Tloušťka desky □ 0,5-4 mm

Minimální velikost komponent: 0201

Standardní součást velikosti čipu: 0603 a větší

Maximální výška komponenty □ 15 mm

Min. Stoupání olova: 0,3 mm

Min. Rozteč kuliček BGA: 0,4 mm

Přesnost umístění: +/- 0,03 mm