Welcome to O-Leading

O-Leading is committed to being the partner of the one stop solution in the EMS supply chain, including PCB design, PCB manufacturing and PCB assembly (PCBA). We supply some of the most advanced PCB technologies, including HDI PCBs, multilayer PCBs, rigid-flexible PCBs. We are able to support from the rapid rotation prototype to medium and mass production. OEM Pcb prototype manufacturer china

In general, our global customers are very impressed with our services: quick response, competitive price and quality commitment. Providing more valuable technical service and a global solution is the way O-leaders move forward.

Looking to the future, O-Leading will focus on innovation and the development of electronic production technology as always and will make constant efforts on the one-stop PCB and PCBA service to provide first-class services and create more value for our customers.

Product description

Quick Info

Place of origin	Guangdong, China (mainland)	Brand name	O-leader
Basic material	FR-4, Aluminum	Copper thickness	0.5 ounces-5 ounces
Min. Hole size	0.2mm	Min. Line width	0.2mm
Surface finish	diving gold, OSP, lead-free HASL	Min. Line Spacing	0.2mm
applicable to	led, mobile phone, air conditioners, washing machines	character	Industrial control PCB
certified	ISO9001, UL, RoHS, SGS	Q / CTN	10PCS-100PCS
weight	0.01 kg -5 kg	MOQ	10 pieces
Model number	pcba manufacturer pcb assembly power bank	Thickness of the card	0.1-5mm
color	blue, red, green, black. yellow	price	$ 0.1- $ 10
type desigh	customer's requirement	cut it	0.01m3-10m3

Country of origin:China Rigid-flexible PCB manufacturer

Production capacity

16 years of professional production of OEM PCB boards

article	2014		2015 ~ 2016		2017 ~ 2018	
	Volume	Sample	Volume	Sample	Volume	Sample
Counting levels	32	42	38	44	42	48
Line / min space (μm)	50/50	40/45	40/45	40/40	35/40	35/35
Hole min diameter (mm)	00:15	00:10	00:15	00:10	00:15	00:10
Proportions by 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
Any layer interconnection	5 + 2 + 5	6 + 2 + 6	5 + 2 + 5	6 + 2 + 6	5 + 2 + 5	6 + 2 + 6
Plate filling by	YUP	-	YUP	-	YUP	-
Min. Core thickness (excluding copper) (µm)	50	40	40	30	40	30
Min. Diameter of the laser drill (µm)	75	65	65	50	50	40
Street buried hole / stacked away	YUP	-	YUP	-	YUP	-
Material	FR4, Megtron, Nelco, Rogers, Heavy Copper, etc.					
Built-in capacitor PCB	YUP	-	YUP	-	YUP	-
Surface process	Lead free HASL, ENIG, OSP, immersion silver, immersion tin, Flash gold, gold plating, selective hard gold plating, Weldable mask, carbon ink					

Our team

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

certifications

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: 61691591-000-07-18-7

Registration Add: FLAT/RM 1205 12/F TAI SANG BANK BUILDING 130-132 DES VOEUS BOAD 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

CICC CERTIFICATION IAF CNAS
MANAGEMENT SYSTEM
CNAS C181-M

CICC INSPECTION CERTIFICATION

CICC CERTIFICATION
嘉泰认证

质量管理体系认证证书

证书号：18118Q10347R0S

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粘贴合格标贴，本证书无效

第一次监审		第二次监审	贴标处

本证书认证范围不包括未获得有效的国家规定的相关行政许可、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-[illegible]查询。

CICC CERTIFICATION IAF CNAS
中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C181-M

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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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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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	*001*
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

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UL Product iQ™

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 Min mm(in)	Cond Width Min Edge mm(in)	Cond Thk mic(mil)	SS/ DS/ DSO	Max Area Diam mm(in)	Solder Limits C	Solder Limits sec	Max Oper Temp C	Flame Class	Meets UL796 DSR	CTI
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	*
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	*

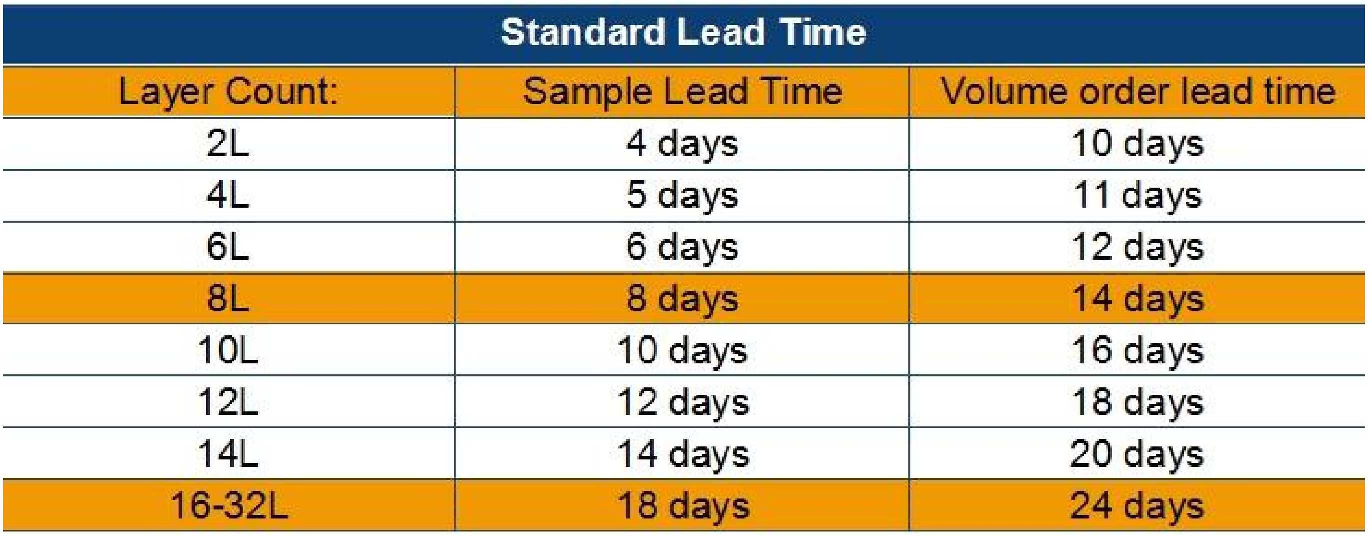
* - CTI marking is optional and may be marked on the printed wiring board.

Marking: Company name or file number and type designation. May be followed by a suffix to denote factory identification or burning test classification.

Packaging and delivery

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 production features

Layer count: 1 layer-32 layers
Finished copper thickness： 1 / 3oz-12oz
Min line width / internal spacing： 3.0mil / 3.0mil
Min line width / external spacing: 4.0mil / 4.0mil
Maximum aspect ratio: 10: 1
Board thickness： 0.2mm-5.0mm
Maximum panel size (inches): 635 * 1500mm
Minimum hole size: 4mil
Plated hole tolerance: +/- 3mil
Blind / Buried Vias (All types): YES
Via Fill (conductive, non-conductive): YES
Base material: FR-4, FR-4hg Tg. Halogen-free material, Rogers, Aluminum base,polyimide, Heavy copper
Surface finishes: HASL, OSP, ENIG, HAL-LF, silver mmmm,Immersion Tin, golden fingers, carbon ink

SMT production capacity

PCB material: FR-4, CEM-1, CEM-3, aluminum based board
Maximum PCB size: 510x460mm
Min PCB size: x 50x50mm
PCB thickness □ 0.5mm-4.5mm
Board thickness □ 0.5-4mm
Min component dimensions: 0201
Standard chip size component: 0603 and above
Maximum component height □ 15mm
Minimum lead pitch: 0.3 mm
Ball pitch BGA min: 0.4mm
Positioning accuracy: +/- 0.03 mm