

# Willkommen bei O-Leading

O-Leading hat sich zum Ziel gesetzt, Partner der One-Stop-Lösung in der EMS-Lieferkette zu sein, einschließlich PCB-Design, PCB-Herstellung und PCB-Bestückung (PCBA). Wir liefern einige der fortschrittlichsten PCB-Technologien, einschließlich HDI-PCBs, Multilayer-PCBs und starr-flexibler PCBs. Wir sind in der Lage, vom Rapid-Rotation-Prototyp bis zur Mittel- und Massenproduktion zu unterstützen. [OEM Pcb Prototyp Hersteller China](#)

Generell sind unsere globalen Kunden von unseren Dienstleistungen sehr beeindruckt: schnelle Reaktion, konkurrenzfähiger Preis und Qualitätsverpflichtung. Die Bereitstellung eines wertvolleren technischen Service und einer globalen Lösung ist die Art und Weise, wie O-Leader vorankommen.

Mit Blick auf die Zukunft wird sich O-Leading wie immer auf Innovation und die Entwicklung elektronischer Produktionstechnologien konzentrieren und sich ständig um einen PCB- und PCBA-Service aus einer Hand bemühen, um erstklassige Dienstleistungen zu erbringen und mehr Wert für unsere Kunden zu schaffen.

## Produktbeschreibung

### Schnelle Info

Herkunftsort	Guangdong, China (Festland)	Markierung	O-Führer
Grundmaterial	FR-4, Aluminium	Kupfer dicke	0,5 Unzen-5 Unzen
Min. Lochgröße	0,2 mm	Min. Linienbreite	0,2 mm
Oberflächengüte	Gold tauchen, OSP, bleifreies HASL	Min. Zeilenabstand	0,2 mm
anwendbar auf	LED, Handy, Klimaanlage, Waschmaschinen	Zeichen	Industriesteuerungsplatine
bescheinigt	ISO9001, UL, RoHS, SGS	Q / CTN	10er-100PCS
Gewicht	0,01 kg -5 kg	MOQ	10 Stück
Modellnummer	pcba hersteller pcb montage energienbank	Dicke der Karte	0.1-5mm
Farbe	blau, rot, grün, schwarz. gelb	Preis	\$ 0.1- \$ 10
tippe desigh	Anforderung des Kunden	Größe	0.01m3-10m3

Herkunftsland: [China Starrflexible Leiterplatte Hersteller](#)

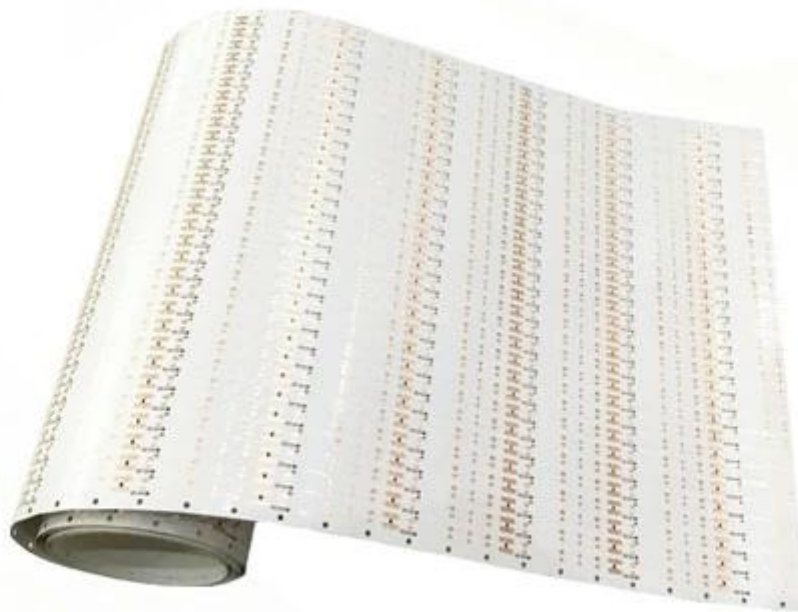
Produktionskapazität

### 16 Jahre professionelle Produktion von OEM-Leiterplatten

Artikel	2014		2015 ~ 2016		2017 ~ 2018	
	Volumen	Champion	Volumen	Champion	Volumen	Champion
Ebenen zählen	32	42	38	44	42	48
Zeilen / min Abstand (µm)	50/50	40/45	40/45	40/40	35/40	35/35
Loch min Durchmesser (mm)	00.15	00.10	00.15	00.10	00.15	00.10

Proportions von 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
Beliebige Schichtverbindung	5 + 2 + 5	6 + 2 + 6	5 + 2 + 5	6 + 2 + 6	5 + 2 + 5	6 + 2 + 6
Plattenfüllung durch	JA	-	JA	-	JA	-
Min. Kerndicke (ohne Kupfer) (µm)	50	40	40	30	40	30
Min. Durchmesser des Laserbohrers (µm)	75	65	65	50	50	40
Straße begraben Loch / weg gestapelt	JA	-	JA	-	JA	-
Material	FR4, Megtron, Nelco, Rogers, schweres Kupfer usw.					
Eingebaute Kondensatorplatine	JA	-	JA	-	JA	-
Oberflächenprozess	Bleifreies HASL, ENIG, OSP, Immersions Silber, Immersionszinn, Blitzvergoldung, Vergoldung, selektive Hartvergoldung, Schweißbare Maske, Carbon-Tinte					

**O-LEADING**  
To Be Reliable, To Be Valuable



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

# Unser 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



# Zertifizierungen

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 sites which fail to be covered by the relevant effective administrative procedures and qualification procedures stipulated by the client. The effectiveness of this certificate shall be restricted to those certification units of CICC the certificate shall be valid when used together with the qualified mark issued.

The initial issuance of this certification can be searched on the portal of CICC [www.cicc.com.cn](http://www.cicc.com.cn) by the code of inquiry [www.cicc.com.cn](http://www.cicc.com.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

第一次监督	第二次监督	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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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. with their respective limits and detection results.



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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	Max		Meets	C			
	Min	Edge			Area	Solder Limits	Oper Temp			Flame		
	mm(in)	mm(in)	mic(mil)		mm(in)	C	sec	C	Class	UL796	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

## Prozessfähigkeit

### PCB-Produktionsmerkmale

Schichtenzahl: 1 schicht-32 schichten

Fertige Kupferdicke: 1 / 3oz-12oz

Min. Linienbreite / Innenabstand: 3,0 mil / 3,0 mil

Minimale Linienbreite / äußerer Abstand: 4.0mil / 4.0mil

Maximales Seitenverhältnis: 10: 1

Brettstärke: 0.2mm-5.0mm

Maximale Panelgröße (Zoll): 635 \* 1500 mm

Minimale Lochgröße: 4mil

Plated Lochtoleranz: +/- 3mil

Blnd / Buried Vias (All-Typen): JA

Via Fill (leitend, nicht leitend): JA

Grundmaterial: FR-4, FR-4hg Tg. Halogenfreies Material, Rogers, Aluminiumbasis,Polyimid,

Schweres Kupfer

Oberflächen: HASL, OSP, ENIG, HAL-LF, Silber mmmm,Eintauchdose, goldene Finger, Kohlenstofftinte

### SMT-Produktionskapazität

Leiterplattenmaterial: FR-4, CEM-1, CEM-3, Leiterplatte auf Aluminiumbasis  
Maximale Leiterplattengröße: 510x460mm  
Min. Leiterplattengröße: x 50x50mm  
PCB Dicke: 0,5 mm-4,5 mm  
Brettstärke: 0.5-4mm  
Min. Bauteilabmessungen: 0201  
Komponente mit Standardchipgröße: 0603 und höher  
Maximale Bauteilhöhe: 15 mm  
Mindeststeigung der Mine: 0,3 mm  
Kugelpitch BGA min: 0,4 mm  
Positioniergenauigkeit: +/- 0,03 mm