

# O-leading PCB PCB PCB PCB.

10 PCB PCB PCB PCB PCB PCB. PCB - PCB, PCB PCB, PCB PCB PCB MCPCB. PCB PCB PCB PCB PCB PCB  
 PCB PCB - 24 PCB S / S, 48-96 PCB PCB 4-8 PCB. (PCB - PCB pcb PCB)

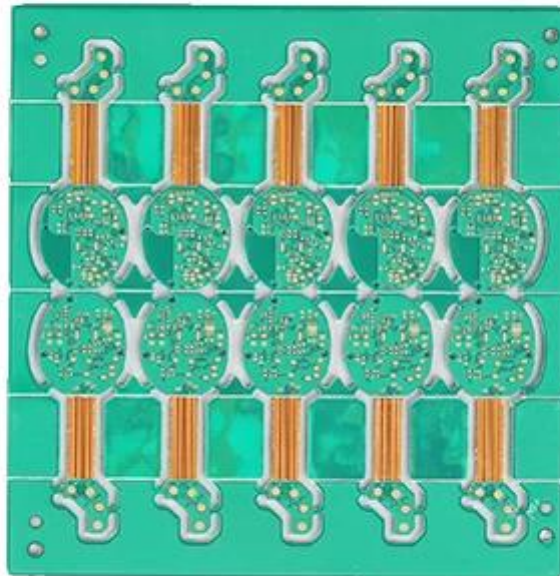
PCB PCB PCB .025 AVG, .020 MIN .. PCB PCB PCB PCB PCB

PCB PCB PCB, 25 PC / bag, PCB PCB PCB, PCB PCB PCB PCB

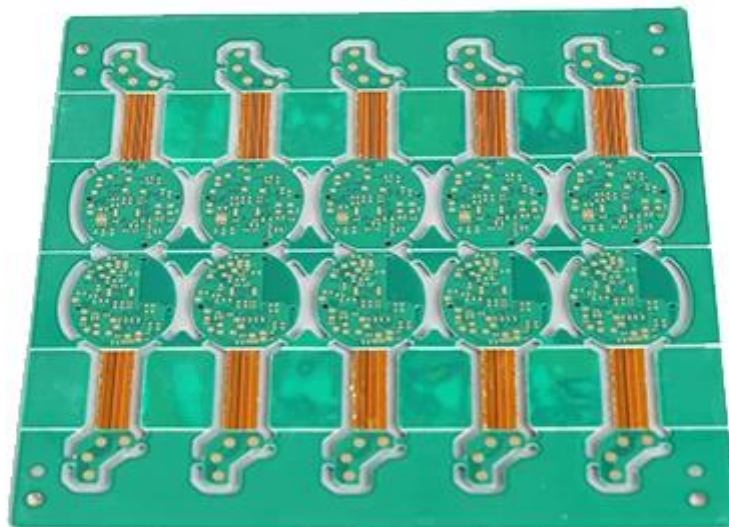
PCB PCB PCB PCB PCB PCB : PCB PCB pcb PCB PCB

## PCB PCB

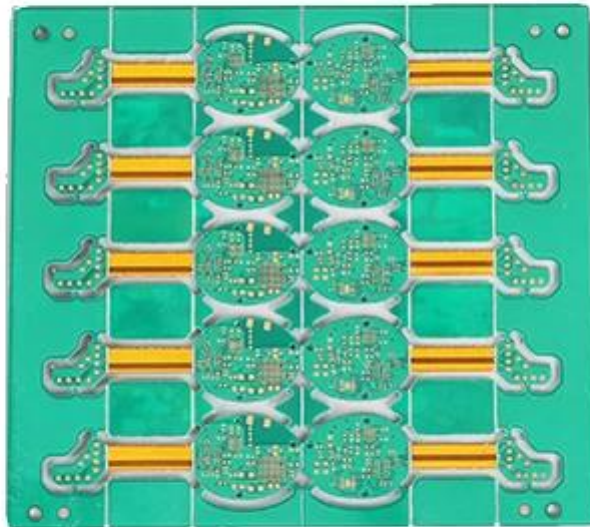
PCB P / N	x-out PCB 6L PCB - PCB PCB
PCB PCB	6L (PCB 4L + PCB 2L)
PCB	PCBR-4 TG150
PCB thk	0.80mm
PCB PCB	1 / H / H / H / H / 1oz
PCB PCB PCB	0.20mm
PCB PCB ( )	187
PCB w / s	4 / 4 PCB
PCB PCB PCB. Y / N (Tol %)	PCB
PCB PCB	ENIG Au : 0.05-0.12UM
PCB PCB PCB PCB	PCB / n / a
PCB PCB PCB siz PCB	PCB X (mm) : 29.8; PCB Y (mm) : 11.2
PCB	Dim X (mm) : 73.6, Dim Y (mm) : 74, UPS PCB PCB : 10
PCB : PCB PCB PCB	PCB
PCB / PCB	CNC



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



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QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 16118Q10347R02

We hereby certify that  
**O-LEADING SUPPLY CHAIN(HK) CO.,LIMITED**

Credit No.: 61691591-000-07-17-2  
Registration Add: ROOM 603D 6/F HANG PONG COMMERCIAL BUILDING, 31 TONKIN ST. CHEUNG SHA WAN, HK  
Business Add: 1313 Floor 13 Fortune Building, Danshiu 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

This certificate is valid during: February 27, 2018 -- February 26, 2021

This certificate is invalid without CICC qualified label in the following period

First supervision and audit	Qualified mark	Second supervision and audit	Qualified mark
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The certification inspection scope shall include those production services which shall be covered by the relevant effective administrative provisions and qualification provisions required by the state. The effectiveness of this certificate shall be realized by annual surveillance audit of CICC. The certificate shall be valid when used together with the surveillance audit conclusion. The relevant information of this certification can be searched at the portal of the site of website www.cicc.com.



201726 ZPMV2.E490354 - Wiring, Printed - Component

UL ONLINE CERTIFICATIONS DIRECTORY

ZPMV2.E490354  
Wiring, Printed - Component

For enhanced search functionality, please visit UL's [online family of databases](#). Click on a product designation for complete information.

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Wiring, Printed - Component

See General Information for Wiring, Printed - Components

O-LEADING SUPPLY CHAIN CO LIMITED

Fortune Building, Nanheng West Road  
Room 1313  
Huizhou, Guangdong 516211, CHINA

E490354

Typc	Cond Width			DS/	Area	Solder	Dper	Flame	Notes	C
	Min	Min	Cond							
	mm(in)	mm(in)	mil(mm)	DSO	mm(in)	C	sec	C	Class	DSR
<b>Multi-layer (mass laminate) printed wiring boards.</b>										
<b>D-LEADING-401</b>										
	0.2 (0.004)	0.3 (0.012)	34 (0.34)	D6	12.7 (0.5)	260	10	130	V-0	-
<b>D-LEADING-407</b>										
	0.08 (0.003)	0.2 (0.008)	17 (0.67)	D5	9.7 (0.4)	260	10	170	V-0	NI
<b>Multi-layer printed wiring boards.</b>										
<b>D-LEADING-408</b>										
	0.125 (0.005)	0.125 (0.005)	12 (0.47) mil:1.35	D6	50.8 (2.0)	260	20	130	V-0	NI
<b>Single layer printed wiring boards.</b>										
<b>D-LEADING-002</b>										
	0.76 (0.03)	1.14 (0.045)	34 (1.34)	S5	19.1 (0.8)	260	10	105	V-0	NI
<b>D-LEADING-003</b>										
	0.38 (0.015)	1.14 (0.045)	34 (1.34)	S5	19.1 (0.8)	260	10	130	V-0	▲
<b>D-LEADING-033</b>										
	0.15 (0.006)	0.3 (0.012)	34 (1.34)	S5	25.4 (1.0)	260	10	120	V-0	NI
<b>D-LEADING-205</b>										
	0.1 (0.004)	0.3 (0.012)	34 (1.34)	D6	69.6 (2.7)	260	10	130	V-0	NI
<b>D-LEADING-206</b>										
	0.15 (0.006)	0.33 (0.013)	17 (0.67)	D6	69.6 (2.7)	260	10	130	V-0	NI

\* - 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.  
Last updated on 2017-01-27

Questions? Print this page Terms of Use Page Top

http://www.ul.com/ul/certificates/UL60718R00450000/01/Products/ZPMV2.E490354/01/Wiring,Printed-Component-17



Test Report

No. CANEC1805164701

Date: 03 Apr 2018

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Test Results:

Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	CAN18-051647.001	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 62321-4:2014+1:2017, IEC62321-5:2013, IEC62321-7:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS

Test Item(s)	Limit	Unit	MDL	DET
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	9
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	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



When the client orders a test or analysis, the client is required to provide the following information: (1) The name of the client, (2) The name of the product, (3) The description of the sample, (4) The date of the test, (5) The location of the test, (6) The name of the laboratory, (7) The name of the analyst, (8) The name of the reviewer, (9) The name of the manager, (10) The name of the director, (11) The name of the president, (12) The name of the CEO, (13) The name of the Chairman, (14) The name of the Board, (15) The name of the Shareholders, (16) The name of the Stakeholders, (17) The name of the Suppliers, (18) The name of the Customers, (19) The name of the Competitors, (20) The name of the Industry, (21) The name of the Market, (22) The name of the Country, (23) The name of the Region, (24) The name of the City, (25) The name of the District, (26) The name of the Street, (27) The name of the Building, (28) The name of the Room, (29) The name of the Floor, (30) The name of the Suite, (31) The name of the Apartment, (32) The name of the Office, (33) The name of the Laboratory, (34) The name of the Test Room, (35) The name of the Analysis Room, (36) The name of the Calibration Room, (37) The name of the Maintenance Room, (38) The name of the Storage Room, (39) The name of the Waste Room, (40) The name of the Reception Room, (41) The name of the Waiting Room, (42) The name of the Conference Room, (43) The name of the Meeting Room, (44) The name of the Seminar Room, (45) The name of the Training Room, (46) The name of the Seminar Room, (47) The name of the Meeting Room, (48) The name of the Seminar Room, (49) The name of the Training Room, (50) The name of the Seminar Room, (51) The name of the Meeting Room, (52) The name of the Seminar Room, (53) The name of the Training Room, (54) The name of the Seminar Room, (55) The name of the Meeting Room, (56) The name of the Seminar Room, (57) The name of the Training Room, (58) The name of the Seminar Room, (59) The name of the Meeting Room, (60) The name of the Seminar Room, (61) The name of the Training Room, (62) The name of the Seminar Room, (63) The name of the Meeting Room, (64) The name of the Seminar Room, (65) The name of the Training Room, (66) The name of the Seminar Room, (67) The name of the Meeting Room, (68) The name of the Seminar Room, (69) The name of the Training Room, (70) The name of the Seminar Room, (71) The name of the Meeting Room, (72) The name of the Seminar Room, (73) The name of the Training Room, (74) The name of the Seminar Room, (75) The name of the Meeting Room, (76) The name of the Seminar Room, (77) The name of the Training Room, (78) The name of the Seminar Room, (79) The name of the Meeting Room, (80) The name of the Seminar Room, (81) The name of the Training Room, (82) The name of the Seminar Room, (83) The name of the Meeting Room, (84) The name of the Seminar Room, (85) The name of the Training Room, (86) The name of the Seminar Room, (87) The name of the Meeting Room, (88) The name of the Seminar Room, (89) The name of the Training Room, (90) The name of the Seminar Room, (91) The name of the Meeting Room, (92) The name of the Seminar Room, (93) The name of the Training Room, (94) The name of the Seminar Room, (95) The name of the Meeting Room, (96) The name of the Seminar Room, (97) The name of the Training Room, (98) The name of the Seminar Room, (99) The name of the Meeting Room, (100) The name of the Seminar Room.

Member of the SGS Group (SGS SA)

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□□ □□ □□	7-12 □



## □□□□ □□

### 1. O-Leading□ □□□ □□ □□□□□?

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1. □ □□□□□ ISO 9001 : 2008 □□□ □□ □□□ □□□□□.
2. □□ □□ □□□□□ □□□□□□ □□□□ □□
3. State-of-art □□□□ □□ □ □□. □ : □□□ □□□, X □ □□, AOI (□□ □□ □□□) □ ICT (□□ □ □□□).
4. □□ □□ □□ □□□□□ □□ □ □□ □□ □□ □
5. □□□□ □□ □□ □ □□

### 2. O-Leading□ □□ □□□□ □□□ □□□□□?

□□ 10 □ □□ □□ □□□ (□ : □□, □□ □□)□ □□□ □ □, □ □ □□ □ □ □□□□□□. □□ □□ □□□□ □□ □□ 31 %□ □□□ □□□. □□ □□□□ □□ □ □□□□□. □□□ □□□□□ □□□□□□ □□□□□□. □□ □□ □□, □□□ □□ □ □□□ □□□ □□ □□□ □□ □□□□ □□ □□□□. □□□ □□□ □□ □□ □□□ □□ □□□□ □□ □□□ □□□□. □□□ □□□□□ □□ □ □ □□□ □□□□□ □□ □□□ □ □□□□.

### 3. O-Leading □□□□□□ □□ □□□ □□ □ □□□□□?

□□□□ FR4, □ TG □ □□□ □□ □□, Rogers, Arlon, Telfon, □□□□ / □□ □□ □□, PI □

### 4. PCB □□□ □□□ □□□□ □□□□□?

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

5. PCB 製造工程のフローを説明せよ?

設計 → 材料調達 → 前処理 → AOI → 印刷 → 露光 → 現像 → PTH → 洗浄 → 検査 → 組立 → 検査 → AOI → 検査 → 組立 → 検査 → E / T → 検査.