# Welcome to O-leading

We are professional PCB manufacturer with more than ten years experiences . Products range-single, double side ,multi-layer PCB ,flexible PCB and MCPCB. We can provide fast prototype service – S/S in 24hrs , 4-8layers in 48-96 working hrs production time.

COPPER PLATE HOLES MINIMUM .025 AVG, .020 MIN.. HOLES MAY NOT BE PLUGGED

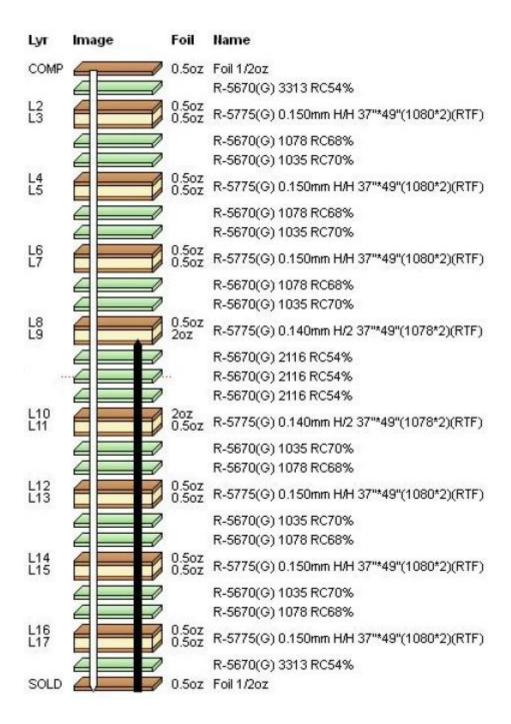
Pack with colorless transparent bubble film ,25 PCS/ bag, put desiccant in flank, put humidity indicator card on top side

# **Product Description**

COPPER PLATE HOLES MINIMUM .025 AVG, .020 MIN.. HOLES MAY NOT BE PLUGGED •Special requirement:ENIG, Hard gold thickness: 4UM, Impedance: Tol: +/-7%, the deviation of the impedance in the same layer must not exceed +/- 2Ohm, Back drill, Rotated 7 degree.

Pack with colorless transparent bubble film ,25 PCS/ bag, put desiccant in flank, put humidity indicator card on top side

Layer structure



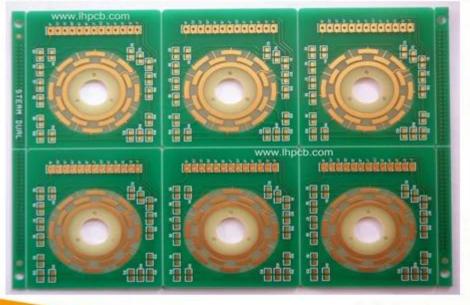












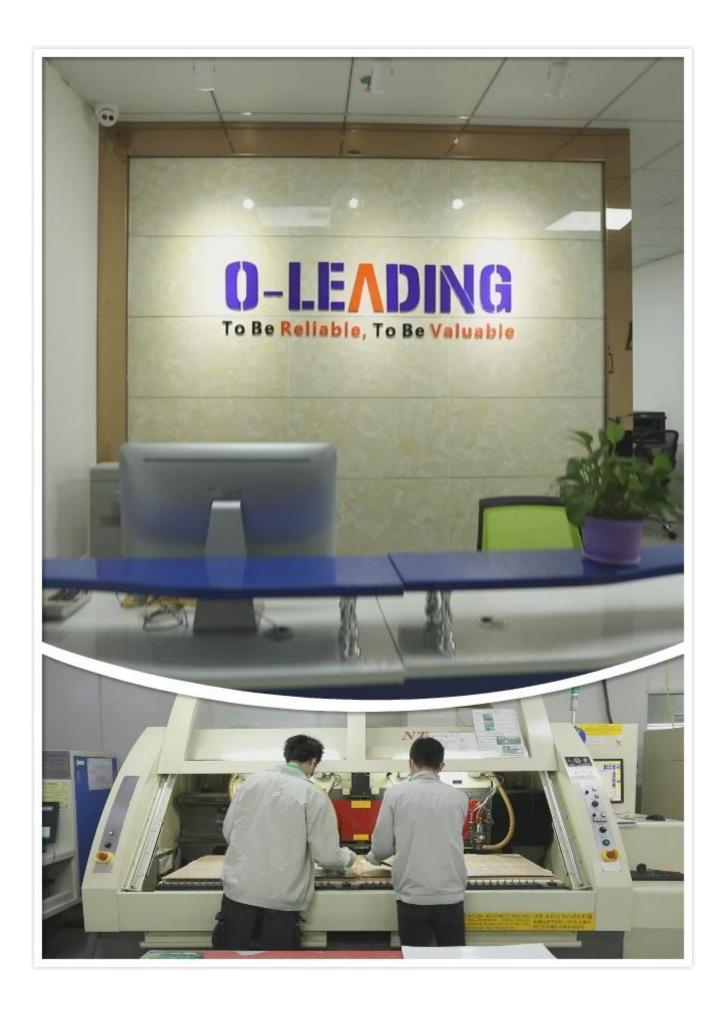
# www.o-leading.com





HDI pcb Printed circuit board, china pcb manufacture

# Our Team





Certifications





#### QUALITY MANAGEMENT SYSTEM CERTIFICATE

#### We hereby certify that O-LEADING SUPPLY CHAIN(HK) CO., LIMITED Credit No: 61691591-000-07-17-2

Registration Add ROOM 600D BF HANG PONT COMMERCIAL BULLDING,31 TOMKIN ST CHEUND SHAW WANKL HK Business Add:1312 Floor 12 Fortune Building, Dansbul Town, Hulyang District, Hulchos, Guangdong, China

Has implemented and maintains a Quality Management System

### Which fulfils the requirements of the following standards

GB/T19001-2016 ldt 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	Qualified	Г
supervision	1000	1.0
and audit	man	

Second Gualfied supervision mark and audit

CICC TAB CNAS

2017/26

ZPWVZE40054 - Wining, Phinto: - Component.



## ZPMV2.E490354 Wiring, Printed - Component

For enhanced search functionality, please visit  $0.1\times 10^{-6}$  Family of Databases. Citix on a product designation for complete information.

#### Wiring, Printed - Component

See General Information for Wiring, Printed - Component

Q-LEADING SUPPLY CHAIN CO LIMITED

E490354

Fortune Building, Nanhang West Road Room 1313 Huithou, Guangdong 51621; CHINA

1	Cond	Width			Max	- 2		Max			
		Min	Cond	55/	Aren	Solder		Oper		Meets	c
	Min	Edge	This	D5/	Diam	Lin	ette	Tump	Flame	UL796	7
Турс	mm(in)	mm(in)	mic(mil)	090	mer(in)	c	sec	c	Class	DSR	1
Hulti	ayer (mass lan	ninate) printed	wiring boa	erds,						0 0	
O-LE	ADING-401										7
1 13	0.1 (0.004)	0.3 (0.012)	34 (3.34)	DE	12.7 (0.5)	260	10	130	V-0		1
0-15	ADING-407										_
	0.08 (0.003)	0.2 (0.008)	17 (0-67)	DS	9.7 (0.4)	260	10	130	V-0	All	ŀ
Hulti	ayer printed w	iring boards.			-						•
D-LE	ADING-408	6									ď
	0.125 (0.005)	0.125 (0.005)	12 (0.47) Int:138	DS	50.8 (2.0)	280	20	130	V-0	All	
Single	e layer printed	wiring boards.									
O-LE	DING-002	0		rs. 6	3 11			. n		S 0	
	0.78 (0.015)	1.14 (0.045)	34 (1,34)	55	19.1 (0.0)	260	10	105	V-0	AI	ŀ
0-12	ADING-003				8						i,
	0.38 (0.015)	1.14 (0.045)	34 (1.34)	55	19.1 (0.8)	260	10	130	940	<b>A</b>	ŀ
0-LE	ADING-033		1								1
	0.15 (0.006)	0.3 (0.012)	34 (1.34)	55	25.4 (1.0)	260	10	120	940	41	-
O-LE	ADING-205		3								
200	0.1 [0.004]	0.3 (0.012)	34 (1.34)	06	69.6 (2.7)	250	10	130	V+0	All .	-
	DING-206										
O-LE	4D1M0-506										

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

Nording: Company name or file number and type designation. Nay be followed by a suffix to decote factory identification to burning text describation. Last ligitated in 2017-91-97.

Questions? Print this gage Terms of Use rapidatase Journa (BAYVInglandSEKT/ERVINELLogoga) milkare ZEMVZ, Edition Landaudi Villing (Printe) + Corporation (- 12

SGS

Test Report

No. CANEC1805164701

Date: 03 Apr 2018 Page 2 of 6

Test Results :

Test Part Description :

scimen No. SGS Sample ID Description SN1 CAN18-051647.001 Green "PCB"

(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, IEC62321-7:22017, IEC 62321-6:2015 and IEC62321-6:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

Test item(s)	Limit	Unit	MOL	001
Cadmium (Cd)	100	mg/kg	2	NO
Lead (Pb)	1.000	mg/kg	2	9
Mercury (Hg)	1.000	mg/kg	2	NO
Hexavalent Chromium (CrVI)	1.000	mg/kg		NO
Sum of PBBs	1,000	mg/kg	12	NO
Manobromobiphenyl		mg/kg	5	NO
Dibromobiphenyl		mg/kg	5	NO
Tribromobiphenyl	4	mg/kg	5	NO
Tetrabromobiphenyl		mg/kg	5	NO
Pentatromobiphenyl		mg/kg	5	NO
Hexabromobiphenyl		mg/kg	5	NO
Heptabromobiphenyl		mg/kg	5	NO
Octabromobiphenyl		mg/kg	5	NO
Nonabromobiphenyl		mg/kg	. 5	NO
Decabromobiphenyl	7700	mg/kg	. 5	ND
Sum of PBDEs	1.000	mg/kg	12	NO
Manabromodiphenyl ether		mg/kg	5	NO
Dibromodiphenyl ether	-	mg/kg	5	NO
Tribromodiphenyl ether	4	mg/kg	5	NO
Tetrabromodiphenyl ether		mg/kg	5	NO
Charleston and about other		one for		5.67



# Packaging & Delivery

Packaging Details	16 years professional OEM pcb board manufacturer
Delivery Detail	7-12days

#### GOLDEN FINGER BOARD supplier



## FAQ

- 1. How do O-Leading ensure quality?
- Our high quality standard is achieved with the following.
- 1. The process is strictly controlled under ISO 9001:2008 standards.
- 2.Extensive use of software in managing the production process
- 3.State-of-art testing equipments and tools. E.g. Flying Probe, X-ray Inspection, AOI (Automated Optical Inspector) and ICT (in-circuit testing).
- 4. Dedicated quality assurance team with failure case analysis process
- 5. Continuous staff training and education
- 2. How do O-Leading keep your price competitive?

Over the last decade, prices of many raw materials (e.g. copper, chemicals) had doubled, tripled or quadrupled; Chinese currency RMB had appreciated 31% over US dollar; And our labor cost also increased significantly. However, O-Leading have kept our pricing steady. This owns entirely to our innovations in reducing cost, avoiding wastes and improving efficiency. Our prices are very competitive in the industry at the same quality level.

We believe in a win-win partnership with our customers. Our partnership will be mutually beneficial if we can provide you an edge on cost and quality.

- 3. What kinds of boards can O-Leading process? Common FR4, high-TG and halogen-free boards, Rogers, Arlon, Telfon, aluminum/copper-based boards, PI, etc.
- 4. What data are needed for PCB production? It is best to provide data in Gerber 274-X format. In addition, Cam350, CAD, Protel 99se, PADS, DXP and Eagle can also be processed.
- 5. What's the typical process flow for multi-layer PCB? Material cutting  $\rightarrow$  Inner dry film  $\rightarrow$  inner etching  $\rightarrow$  Inner AOI  $\rightarrow$  Multi-bond  $\rightarrow$  Layer stack up Pressing  $\rightarrow$  Drilling  $\rightarrow$  PTH  $\rightarrow$  Panel Plating  $\rightarrow$  Outer Dry Film  $\rightarrow$  Pattern Plating  $\rightarrow$  Outer etching  $\rightarrow$  Outer AOI  $\rightarrow$  Solder Mask  $\rightarrow$  Component Mark  $\rightarrow$  Surface finish  $\rightarrow$  Routing  $\rightarrow$  E/T  $\rightarrow$  Visual Inspection.