Welcome to O-leading

O-Leading strives to be your one stop solution partner in EMS supply chain, including PCB design , PCB fabrication and PCB assembly (PCBA). We provide some of the most advanced PCB technology, including HDI PCBs, multilayer PCBs, Rigid-Flexible PCBs. We can support from quick turn prototype to medium & mass Production.

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

Looking to the future, O-leading will concentrate on the innovation and development of electronics manufacturing technology as always, and make persistent efforts on PCB & PCBA one-stop service to provide first-class services and create more value for our customers.

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

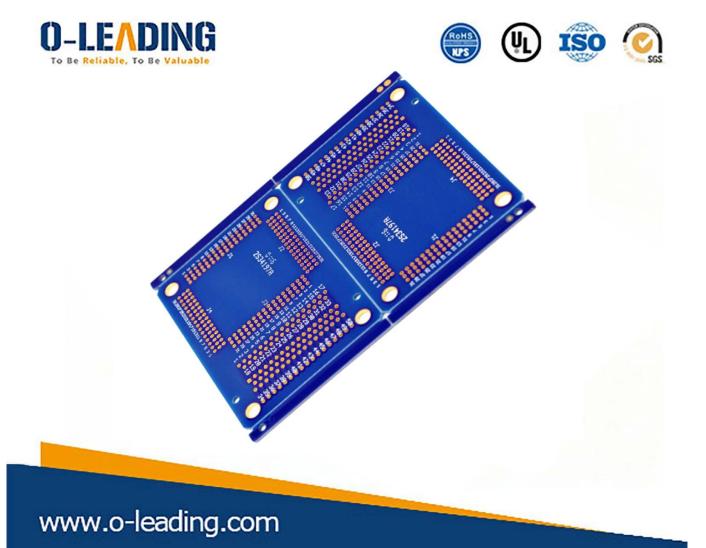
Product Description

Quick Details

Place of Origin	Guang dong, China (Mainland)	Brand Name	O-Leading
Base Material	FR-4,,Aluminum	Copper Thickness	0.5oz-5oz
Min. Hole Size	0.2mm	Min. Line Width	0.1-5mm
Surface Finishing	immersion gold ,OSP,lead free HASL	Board Thickness	blue ,red ,green,black.yellow
applicable to	led,mobile phone,air conditioners,washing machines	character	Industrial Control pcb
certificates	ISO9001,UL,RoHS,SGS	Q/CTN	10PCS-100PCS
weight	0.01kg -5kg	MOQ	10pcs
Model Number	power bank pcb assembly pcba manufacturer	Min. Line Spacing	0.2mm
color	blue ,red ,green,black.yellow	price	\$0.1-\$10
desigh type	client requirement	size	0.01m3-10m3

16 years professional OEM pcb board manufacture

itom	2014		2015~2016		2017~2018	
item	Volume	Sample	Volume	Sample	Volume	Sample
Layer count	32	42	38	44	42	48
Min Line/space (μm)	50/50	40/45	40/45	40/40	35/40	35/35
Min drill hole diameter (mm)	0.15	0.10	0.15	0.10	0.15	0.10
Aspect ratio of 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 via	YES		YES		YES	
Min. core thickness (exclude copper) (µm)	50	40	40	30	40	30
Min. Laser Drill diameter (μm)	75	65	65	50	50	40
Via on buried hole/stacked via	YES		YES		YES	
Material	FR4, Megtron, Nelco, Rogers, Heavy Copper, etc.					
Embedded capacitor PCB	YES		YES		YES	
Surface Process	Lead-free HASL, ENIG, OSP, Immersion silver, Immersion tin, Flash gold, Gold finger plating, Selective hard gold plating, Peelable solder mask, Carbon ink					



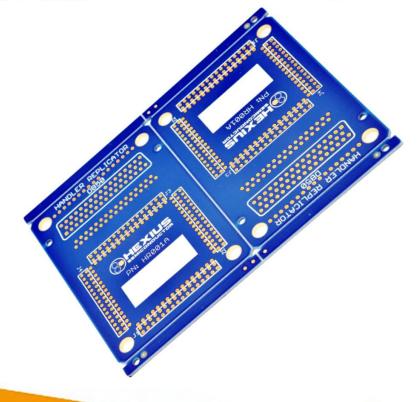








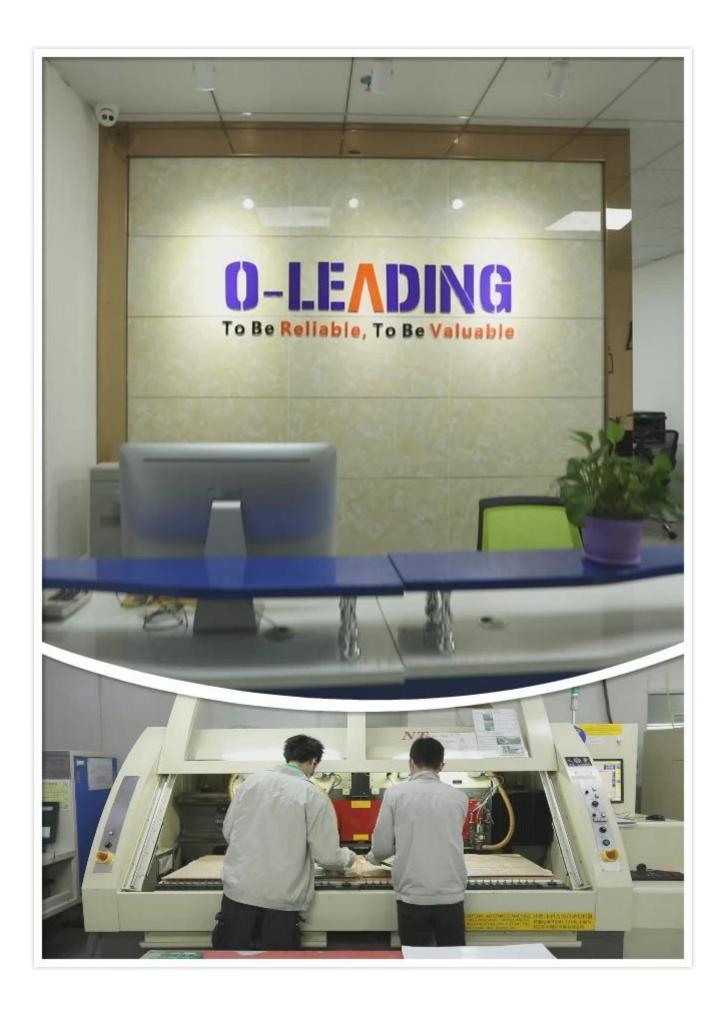




www.o-leading.com

Small volume pcb manufacturer

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 0.1×10^{-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	Cond	SS/	Max Area	- 2		Max			1
		Min				Solder		Oper		Nests	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,						(i -)	
O-LE	ADING-401										7
1 13	0.1 (0.004)	0.3 (0.012)	34 (3.34)	06	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.									•
0-LE	ADING-408	6								-0. 0	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	33 113					3 0	
	0.78 (0.015)	1,14 (0.045)	34 (1,34)	55	(9.1 (0.0)	260	10	105	V-0	M	ŀ
0-LE	ADING-003				3 8						1
	0.38 (0.015)	1.14 (0.045)	34 (1.34)	99	19.1 (0.8)	260	10	130	940	A	ŀ
0-LE	ADING-033		1		3 8						1
	0.15 (0.006)	0.3 (0.012)	34 (1.34)	55	25.9 (1.0)	260	10	120	940	41	-
O-LE	ADING-205		3				7				
22.50	0.1 [0.004]	0.3 (0.012)	34 (1.34)	06	69.6 (2.7)	250	10	130	V+0	48	
0-18	ADING-206										

* - 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	8	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		ND
Sum of PBDEs	1.000	mg/kg	12	NO
Manabromodipheryl 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



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 (incircuit 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.