

O 服務

O-Leading 提供 PCB 設計、PCB 製造及 PCB 組裝 (PCBA) 服務。EMS 服務商可為客戶提供一站式服務，包括 HDI PCB、剛性 PCB、柔性 PCB、PCB 測試及 PCB 組裝服務。我們可為客戶提供從設計到生產的全方位服務。

我們可為客戶提供從設計到生產的全方位服務，包括 PCB 設計、PCB 製造及 PCB 組裝。我們可為客戶提供從設計到生產的全方位服務，包括 PCB 設計、PCB 製造及 PCB 組裝。

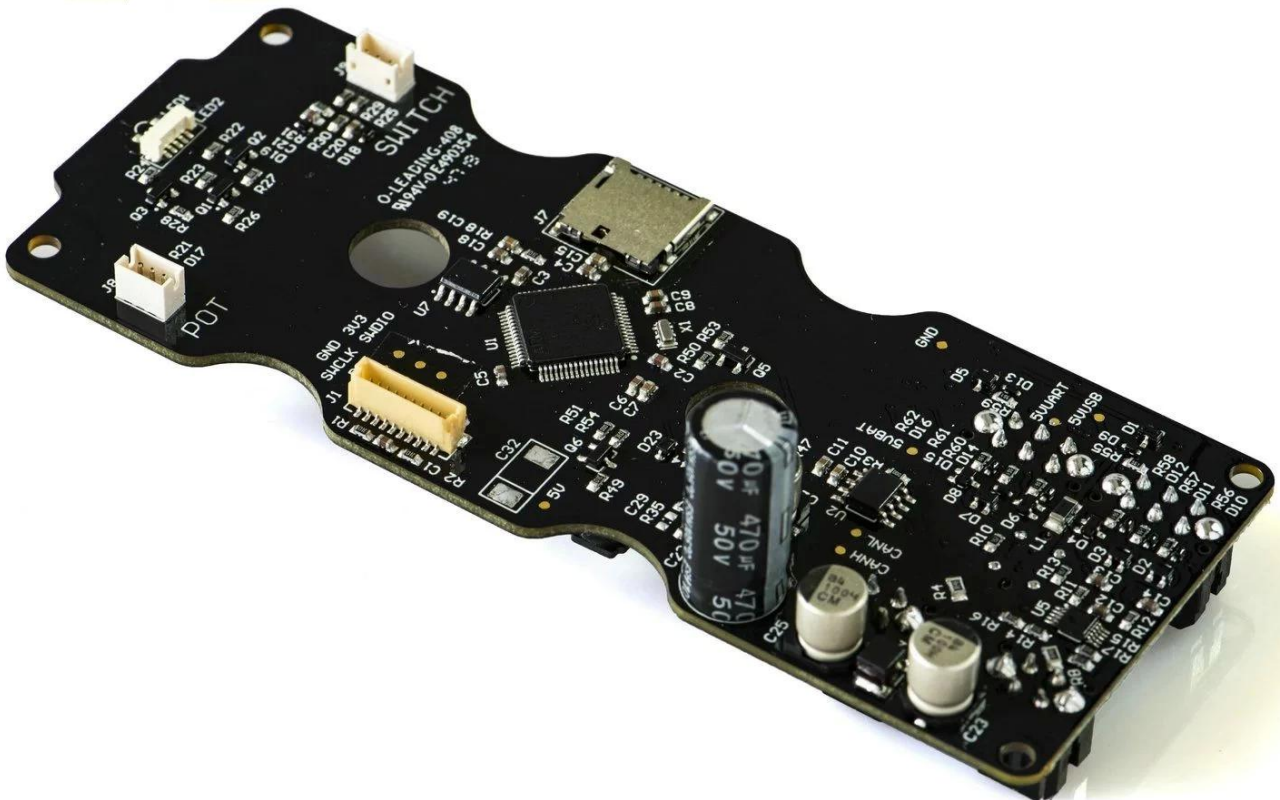
我們 O-leading 提供 PCB 設計、PCB 製造及 PCB 組裝 (PCBA) 服務。EMS 服務商可為客戶提供一站式服務，包括 HDI PCB、剛性 PCB、柔性 PCB、PCB 測試及 PCB 組裝服務。我們可為客戶提供從設計到生產的全方位服務。

我們可為客戶提供從設計到生產的全方位服務。[PCB 設計](#)

服務



O-LEADING
To Be Reliable, To Be Valuable



[PCB 設計](#)



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







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 (PDBEs) 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 Fan
Approved Signatory

[illegible]

*SOS Ship No.4, Jiaxing Industrial Park, No.42, Jiaxing Road, Jiangsu District, Shanghai, China 518129 | (86-755) 26328888 | (86-755) 83106190 | www.sgschina.com on
 in english: CN.Dongsheng@sas.com | (86-755) 26328888 | (86-755) 83106190 | www.sgschina.com
 in chinese: 中国深圳龙岗区南湾街道42号工业园4号路 | (86-755) 26328888 | (86-755) 83106190 | www.sgschina.com
 中国深圳龙岗区南湾街道42号工业园4号路 | (86-755) 26328888 | (86-755) 83106190 | www.sgschina.com

Member of the SGS Group (SGS SA)



No. SZXEC1900530401

Date: 30 Mar 2019

Page 2 of 6

Test Results :

Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	SZX19-005304.001	Green™PCB

Remarks :

(1) $1 \text{ mg/kg} = 1 \text{ ppm} = 0.0001\%$

(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	Q27
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
Tri bromobiphenyl	-	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
Tri bromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND



SIGS GROUP Technical Service Center
506 Stg. #2, Jiahe Industrial Park, No.430, Zhuang Road, Lingyuan District, Shenzhen, China 518129 | (86)-755-25202888 | (86)-755-85106190 | www.sigsgroup.com.cn
中國·深圳·龙岗区田面路430號莊園工業園SIGS技術服務中心 熱線：518129 | (86)-755-25202888 | (86)-755-85106190 | sigs.china@sigs.com

Member of the SGS Group (SGS SA)



ZPMV2.E490354 - WIRING, PRINTED - COMPONENT

Wiring, Printed - Component

See General Information for Wiring, Printed - Component

O-LEADING SUPPLY CHAIN (HK) CO LTD

E490354

ROOM 1205, 12/F
TAI SANG BANK BLDG
130-132 DES VOEUS ROAD
CENTRAL, HONG KONG

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

WIRING, PRINTED - COMPONENT | UL Product iQ

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.

并不是所有出现在本数据库中的公司名称和产品都满足了UL 跟踪检验服务的要求。只有带有 UL 标志的产品，才应该被视为经过UL认证，并满足UL 跟踪检验服务的要求。注意查看产品上的标志。

UL 允许在线认证目录中所含材料的复制遵循以下条件：1.指南信息、装配、构造、设计、系统和/或认证（文件）必须在不篡改任何数据（或图纸）的情况下完整且无误导性地呈现。2.“经 UL 允许从在线认证目录转载”声明必须出现在所摘取材料的邻近位置。此外，转载材料必须包含以下格式的版权声明：“© 2019 UL LLC”

PCB 規格

PCB 種類	
銅箔厚	1 1/2-32 吋
銅箔重量	1 / 3oz-12oz
銅箔厚 / 銅箔重量	3.0mil / 3.0mil
銅箔厚 / 銅箔重量	4.0mil / 4.0mil
銅箔厚	10 : 1
銅箔厚	0.2mm-5.0mm
銅箔厚 (mm)	635 * 1500mm
銅箔厚 (mm)	4mil
Plated 銅箔	+/- 3mil
Blind / Buried Vias (All 銅箔)	否
銅箔 (銅箔, 銅箔)	否
銅箔	FR-4, FR-4high Tg. 銅箔 銅箔, 銅箔, 銅箔銅箔銅箔銅箔銅箔, 銅箔
銅箔	HASL, OSP, ENIG, HAL-LF, 銅箔銅箔銅箔, 銅箔銅箔銅箔銅箔

SMT 規格

PCB 種類	FR-4, CEM-1, CEM-3, 銅箔銅箔銅箔
銅箔 PCB 種類	510x460mm
銅箔 PCB 種類	50x50mm
PCB 種類	0.5mm-4.5mm
銅箔	0.5-4mm
銅箔 銅箔 銅箔	0201
銅箔 銅箔 銅箔 銅箔	0603 銅箔
銅箔 銅箔 銅箔	15mm
銅箔 銅箔	0.3mm
銅箔 BGA 銅箔	0.4mm
銅箔 銅箔	+/- 0.03mm

PCB 規格

Shipping service



0000 00 0000 00 000 00, SI6000 soft 0 POLAR INSTRUMENTS0 CITS 500s 000 0000 00000.
 0 000 000 000 00 000 00 0 0000 00 00 000 000000 00000.