الرائدة O مرحبا بكم في

تسعى O-Leading لتكون شريك الحل الوحيد في سلسلة توريد EMS ، بما في ذلك تصميم ثنائي الفينيل متعدد الكلور وتصنيع ثنائي الفينيل متعدد الكلور وتجميع ثنائي الفينيل متعدد الكلور (PCBA). نحن نقدم بعضًا من أحدث تكنولوجيا ثنائي الفينيل متعدد الكلور ، بما في ذلك HDI PCBs و PCBs متعددة الطبقات و Rigid-Flexible PCBs . يمكننا دعم من النموذج السريع بدوره إلى الإنتاج الضخم والمتوسطة. □□□□□□□ □□□□□ □□□□□□ □□□□□□ □□□□□ □□□□□□□ □□□□□

بشكل عام ، إن عملائنا العالميين متأثرون جدًا بخدماتنا: الاستجابة السريعة ، السعر التنافسي والالتزام بالجودة. توفير خدمة فنية أكثر قيمة والحل الشامل هو الطريق إلى الأمام.

الرائد على ابتكار وتطوير تكنولوجيا تصنيع الإلكترونيات كما هو الحال دائمًا ، وستبذل جهودًا متواصلة-O بالنظر إلى المستقبل ، ستركز ذات الشباك الواحد لتوفير خدمات من الدرجة الأولى وخلق المزيد من القيمة لعملائنا PCBA و PCB على خدمة.

□□□□□ 025. □□□□□□ □□□□□ □□□□□□ □□□□□□□□□□□□ □□□ □□□□□□ □□□□□ .. □□□□□ 020. □
25 □ □□□□□ □□□□ □□□□□ □□□□□ □□□□ □□ □□□□PCS / bag □ □□□□ □□□□□ □□□□ □ □□□□□□ □□ □□□□□□□ □□□□
□□□□□□ □□□□□□ □□ □□□□□□□

Weare □□□□□□ □ □□□□□ □□□□□□ □□□□□□ .□□□□□ □□□ □□□□□ □□ □□□□□□ □□□□□ □□□□□□□ □□□□□ □□□□□□ □□□□□□□
□ □□□□ □□□□□□ □□□□□ □□□□□□□ □□□□□ □ □□□□□□ □□□□□ □□□□□□ □□□□□ □ □□□□□□ MCPCB.

□□□□ □□□□ Wecan □□□□ □□□□□ □□□□ - S / S □□□□□□□ □□□ □□ □□□□ 96-48 □□ □□□□□ 8-4 □ □□□□ 24 □□.

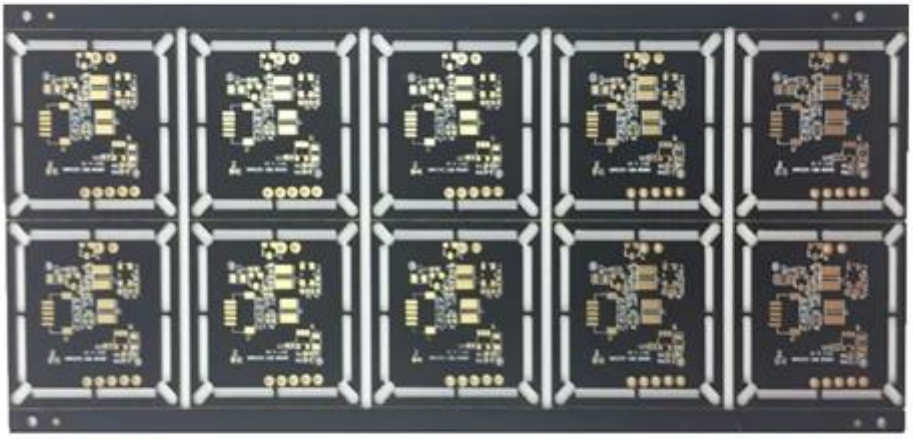
oemmobile □□□□□□□ pcb □□□□□□ □□□□□ □□□□□□□ □□□□□ □□□□□□ □□□□□□ □□□□□□ □□□□□□□ □□□□□□□ □□ □□□□□□ □□□□
□□□□□

□□□□□□ □□□□	□□□□□□□ □□□□) □□□□□ □ □□□□ □□□□□)	□□□□□□□ □□□ □□□□□□□□	O-□□□□□□□□
□□□□□□ □□□□□□□□	FR-4□ □□□□□□□□□□□	□□□□□□ □□□	0.5OZ-5OZ
□□□ .□□□□□ □□□□□□	0.2mm □	□□□□ □□□ .□□□□□	0.2mm □
□□□□□□□ □□□□□	□□□□□ □□□□□ □ OSP □ □□□□□□ □□ □□□□□ HASL	□□□□ □□□□□	0.1-5mm
□□□ □□□□□	□□□□□□ □□□□□□□ □ □□□□□□□ □□□□□□□ □ □□□ □□□□□□□□□	□□□	□□□□□ □□□□□□□ □□□□□ □□□□□□□ □□□□□□ □□□□□□
□□□□□□	ISO9001□ UL□ □□□□□□□□ SGS	Q / □□□□□□□□ □□□□□□ □□□□□□□	10PCS-100PCS
□□□	0.01 □□□□□□□□ 5- □□□□□□□□	□□□	10 □□□
□□□□□□□ □□□	□□□□□□ □□□□□ □□□□□□□ □□□□□ □□□□□ □□□ □□□□□□ pcba □□□□□□	□□□□□□ □□□□□ .□□□□□	0.2mm □
□□□□□	□□□□□□□ □□□□□□□ □□□□□□□ □□□□□□	□□□□□	$ 0.1- $ 10
□□□ desigh	□□□□□□ □□□□□□□	□□□□	0.01m3-10m3

□□□□□□ □□□□□□ □□□□□ □□□□□□□ □□□□□ □□□□ □□□

O-LEADING

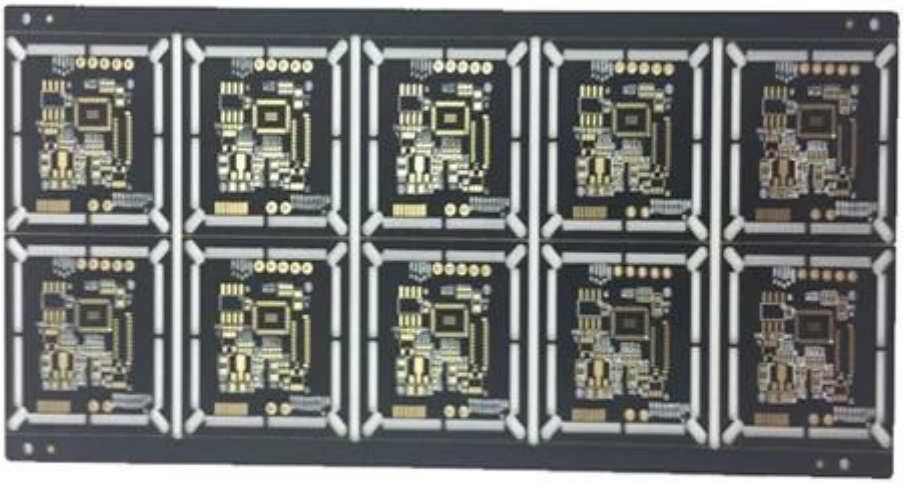
To Be Reliable, To Be Valuable



www.o-leading.com

O-LEADING

To Be Reliable, To Be Valuable



www.o-leading.com

فريقنا

O-LEADING
To Be Reliable, To Be Valuable

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

الشهادات

SGS

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
| 568 Bldg, No.4, Jianghai Industrial Park, No.68, Jihua Road, Bantian, Longgang District, Shenzhen, China 518129 | t (86 - 755) 25328888 | f (86 - 755) 83106190 | www.sgsgroup.com.cn
中国 · 深圳 · 龙岗区坂田吉华路430号江灏工业园4栋SGS大楼 邮编: 518129 | t (86 - 755) 25328888 | f (86 - 755) 83106190 | e sgs.china@sgs.com
Member of the SGS Group (SGS SA)

SGS

Test Report 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 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, IEC62321-7-2:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit	MDL	001
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
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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
| 568 Bldg, No.4, Jianghai Industrial Park, No.68, Jihua Road, Bantian, Longgang District, Shenzhen, China 518129 | t (86 - 755) 25328888 | f (86 - 755) 83106190 | www.sgsgroup.com.cn
中国 · 深圳 · 龙岗区坂田吉华路430号江灏工业园4栋SGS大楼 邮编: 518129 | t (86 - 755) 25328888 | f (86 - 755) 83106190 | e sgs.china@sgs.com
Member of the SGS Group (SGS SA)

UL Product iQ™

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

التغليف والشحن

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

القدرة العملية

قدرات إنتاج ثنائي الفينيل متعدد الكلور

عدد الطبقات: 1Layer-32Layer
الانتهاء من سماكة النحاس 1 / 3oz-12oz
دقيقة خط العرض / تباعد الداخلية 3.0mil / 3.0
دقيقة خط العرض / تباعد خارجي: 4.0mil / 4.0
نسبة العرض إلى الارتفاع القصوى: 10: 1
سمك المجلس 0.2 مم-5.0 مم
الحد الأقصى لحجم اللوحة (بوصة): 635 * 1500 مم
الحد الأدنى لحفر حفرة الحجم: 4mil
مثقوب حفرة التسامح: +/- 3mil
دفن فيا (أنواع أخي): نعم / Blind
عبر التعبئة (موصل ، غير موصل): نعم
المواد الأساسية: FR-4، FR-4high Tg.Halogen free material، Rogers، قاعدة ألمنيوم،النسبة الثابتة، النحاس الثقيل
التشطيبات السطحية: HASL ، OSP ، ENIG ، HAL-LF ، الفضة Immersion ،Immersion تين ، أصابع الذهب ، حبر الكربون

قدرات الإنتاج SMT

مادة الكلور: FR-4 ، CEM-1 ، CEM-3 ، لوحة الألومنيوم
أقصى حجم ثنائي الفينيل متعدد الكلور: 510 x460mm
مين حجم الكلور 50 x50mm
سمك PCB 0.5 mm-4.5mm
سمك المجلس 0.5-4 mm
الحد الأدنى لحجم المكونات: 0201
مكون حجم رقاقة القياسية: 0603 وأكبر
مكون أقصى ارتفاع 15 ملم
دقيقة الملعب الرصاص: 0.3 مم
دقيقة الملعب الكرة بغا: 0.4 ملليمتر
دقة التنسيب: +/- 0.03 mm