

Bienvenue chez O-Leading

O-Leading s'efforce d'être votre partenaire de solution unique dans la chaîne d'approvisionnement EMS, y compris la conception de PCB, la fabrication de PCB et l'assemblage de PCB (PCBA) .Nous fournissons certaines des technologies de PCB les plus avancées, y compris les PCB HDI, les PCB multicouches, les PCB rigides et flexibles Nous pouvons prendre en charge du prototype à virage rapide à la production moyenne et en masse. ([Cartes de circuits imprimés personnalisés Chine](#))

En général, nos clients mondiaux sont très impressionnés par nos services: réponse rapide, prix compétitif et engagement de qualité.

En regardant vers l'avenir, O-leader se concentrera sur l'innovation et le développement de la technologie de fabrication électronique comme toujours, et déploiera des efforts persistants sur le service unique PCB & PCBA pour fournir des services de première classe et créer plus de valeur pour nos clients.

Nous sommes un fabricant professionnel de PCB avec plus de dix ans d'expérience. Gamme de produits - PCB simple face, double face, multicouche, PCB flexible et MCPCB.Nous pouvons fournir un service de prototypage rapide - S / S en 24 heures, 4-8 couches en 48-96 heures de travail.[carte de circuit imprimé](#)
[led carte de circuit imprimé](#)

PLAQUES DE CUIVRE TROUS MINIMUM .025 AVG, .020 MIN .. LES TROUS NE PEUVENT PAS ÊTRE PLUGGÉS

Pack avec film à bulles transparent incolore, 25 PCS / sac, mettre le dessiccant sur le flanc, mettre la carte d'indicateur d'humidité sur le dessus

Description du produit

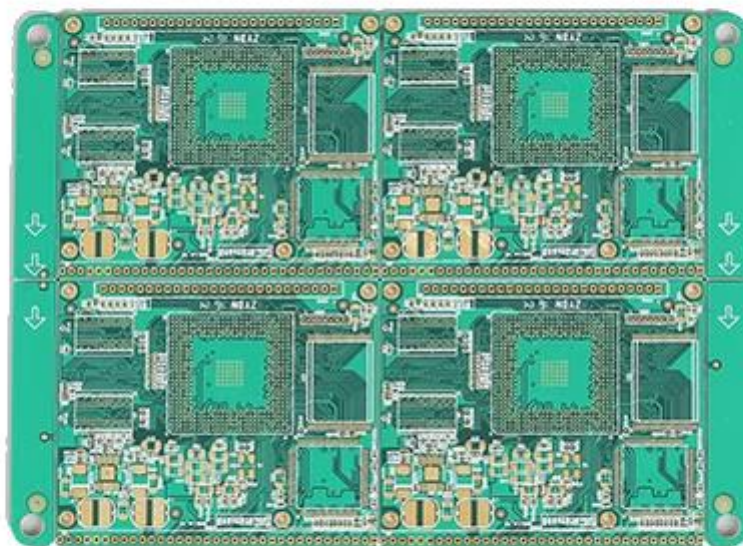
PCB P / N	PCB 6L High TG170 avec BGA 8mil
Nombre de couches	6L
Matériel	FR-4 TG170
Board thk	1,60 mm
cuivre thk	1/1/1/1/1 / 1oz
Taille de trou la plus petite	0,20 mm
Nombre de trous (pcs)	683
ligne w / s	4 / 4mil
Contrôle d'impédance. O / N (Tol%)	Oui
Finition de surface	ENIG Au: 0,05-0,10UM
Masque de soudure Sérigraphie	Vert blanc
Taille de carte unique	Dim X (mm): 63,7; Dim Y (mm): 47,1
Panelisation	Dim X (mm): 143,4; Dim Y (mm): 94,2; Nombre d'UPS: 4
Spécial: masque pelable	N
Routage / poinçonnage	CNC



www.o-leading.com



www.o-leading.com



www.o-leading.com

Notre équipe



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



Certifications





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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed on the back, available on request or accessible at <http://www.spa.com/terms-and-conditions> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.spa.com/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 deemed to have read, understood and accepted the terms and conditions of the document and to have agreed to follow the Client's instructions, if any. The Company's sole responsibility is to its Client and the document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Company. Any unauthorized use or reproduction 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 samples tested.

99-5555, No.4, Jiangnan Industrial Park, No.43, Jiao Road, Saitan, Longgang District, Shenzhen, China 518129 | (86-755) 25326888 | (86-755) 83106190 | www.sgsigroup.com.cn
中国·深圳·龙岗区坂田南环路43号江田工业园49555555 邮编: 518129 | (86-755) 25326888 | (86-755) 83106190 | sales.china@sgs.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

[illegible]

SGS Bldg, 4/F, Jangde Industrial Park, No.400, Jiahu Road, Bantian, Lingyuan District, Shenzhen, China 518129 t (86-755) 25328888 f (86-755) 83106190 www.sgsgroup.com.cn
中国·深圳·龙岗区坪地街道430号江鹏工业园4楼SGS大厦 邮编: 518129 t (86-755) 25328888 f (86-755) 83106190 e sgsgchina@sgs.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		Meets UL796 Class	C T DSR	
	Min	Min			Area	Solder	Oper	Flame			
	mm(in)	mm(in)			Diam mm(in)	Limits C sec	Temp C	Class			
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”

Shipping service



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

Capacité du processus

Capacités de production de PCB

Nombre de couches: 1 couche-32 couches

Épaisseur de cuivre fini: 1 / 3oz-12oz

Largeur / espacement des lignes min. Interne: 3.0mil / 3.0mil

Largeur / espacement des lignes min externes: 4.0mil / 4.0mil

Rapport d'aspect max: 10: 1

Épaisseur du panneau: 0,2 mm à 5,0 mm

Taille maximale du panneau (pouces): 635 * 1500 mm

Taille minimale du trou percé: 4mil

Tolérance de trou Plated: +/- 3mil

Blind / Buried Vias (types All): OUI

Via remplissage (conducteur, non conducteur): OUI

Matériau de base: FR-4, FR-4High Tg.Halogen free material, Rogers, Aluminium base,Polyimide,

Cuivre lourd

Finitions de surface: HASL, OSP, ENIG, HAL-LF, Immersion silver,Étain d'immersion, doigts d'or, encre de carbone

Capacités de production SMT

Matériau PCB: FR-4, CEM-1, CEM-3, carte à base d'aluminium

Taille maximale du PCB: 510x460mm

Taille minimale du PCB: 50x50mm

Épaisseur du PCB: 0,5 mm à 4,5 mm

Épaisseur du panneau: 0,5-4 mm

Taille minimale des composants: 0201

Composant de taille de puce standard: 0603 et plus

Hauteur maximale des composants: 15 mm

Pas de plomb mini: 0,3 mm

Pas de balle BGA minimum: 0,4 mm

Précision de placement: +/- 0,03 mm