

PCB O-LEADING

O-Leading PCB 是將 PCB 板上的元件，以 O-lead 封裝形式，直接貼裝在 PCB 板上。此種封裝形式，具有安裝簡便、節省空間、提高生產效率等優點。EMS 廠商通常會提供 O-lead PCB 的生產服務，客戶可以根據需求，選擇不同的 PCB 板厚、線寬、線距等參數。此外，O-lead PCB 還支持多種材料，如 FR-4、PCBA 等。

O-lead PCB 的生產過程，通常包括 PCB 板加工、元件貼裝、回流焊等步驟。客戶在選擇 O-lead PCB 時，應考慮 PCB 板的質量、元件的兼容性、生產成本等因素。此外，客戶還應選擇信譽良好的 EMS 廠商，以確保生產質量和交貨時間。

O-lead PCB 的應用非常廣泛，常見於消費電子、工業控制、醫療設備等領域。客戶在設計 O-lead PCB 時，應注意 PCB 板的佈局、元件的安裝位置、焊盤的設計等。此外，客戶還應選擇合適的 PCB 材料，以確保 PCB 板的性能和穩定性。

PCB O-LEADING 生產服務：提供專業的 O-lead PCB 生產服務，包括 PCB 板加工、元件貼裝、回流焊等。

PCB 服務

：提供專業的 PCB 服務，包括 PCB 板加工、元件貼裝、回流焊等。產品尺寸：15 × 46.5 × 78

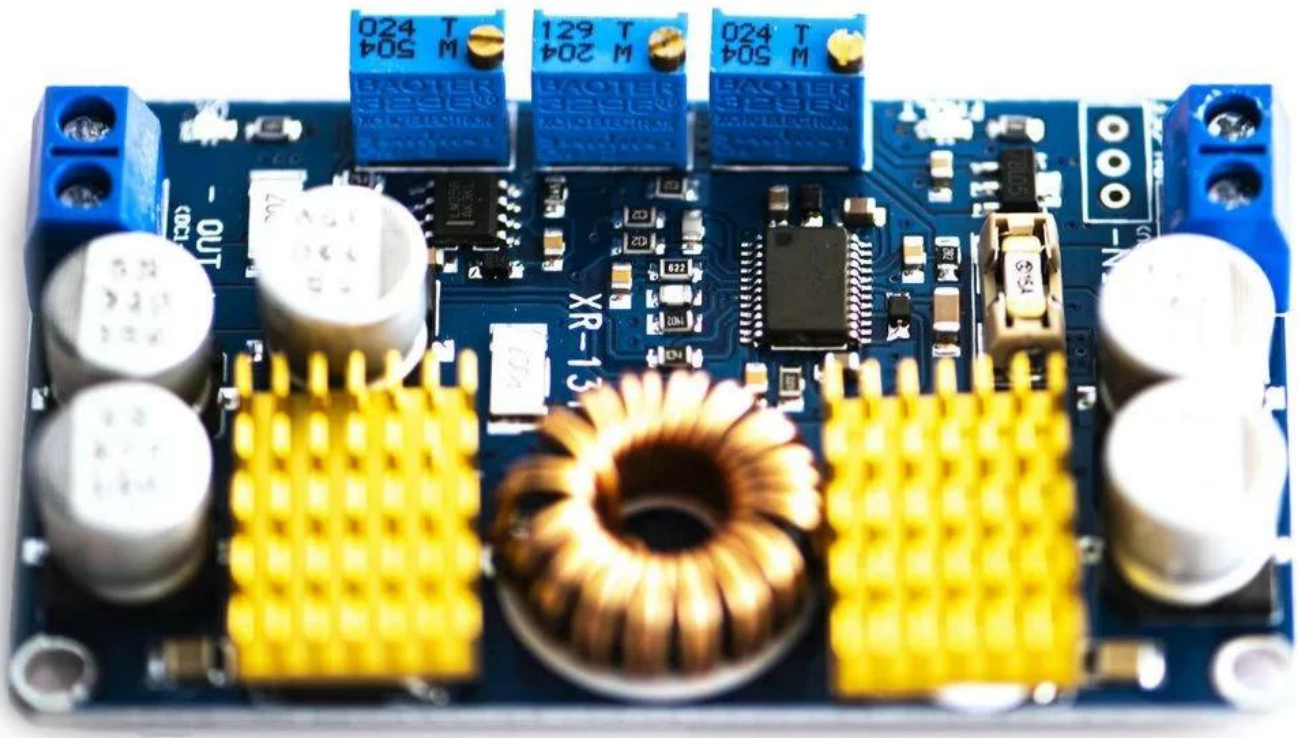
Function:

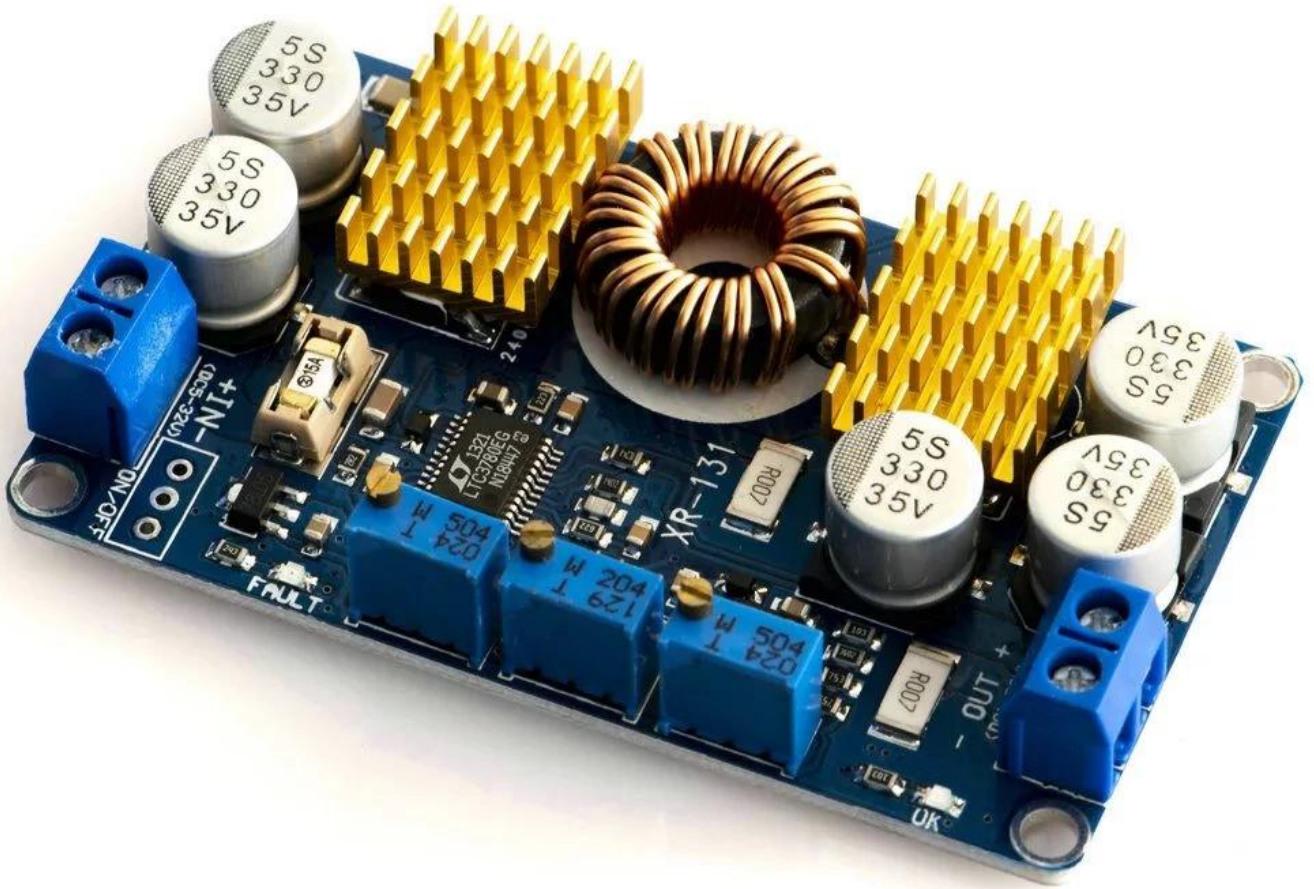
提供專業的 PCB 服務，包括 PCB 板加工、元件貼裝、回流焊等。產品尺寸：15 × 46.5 × 78

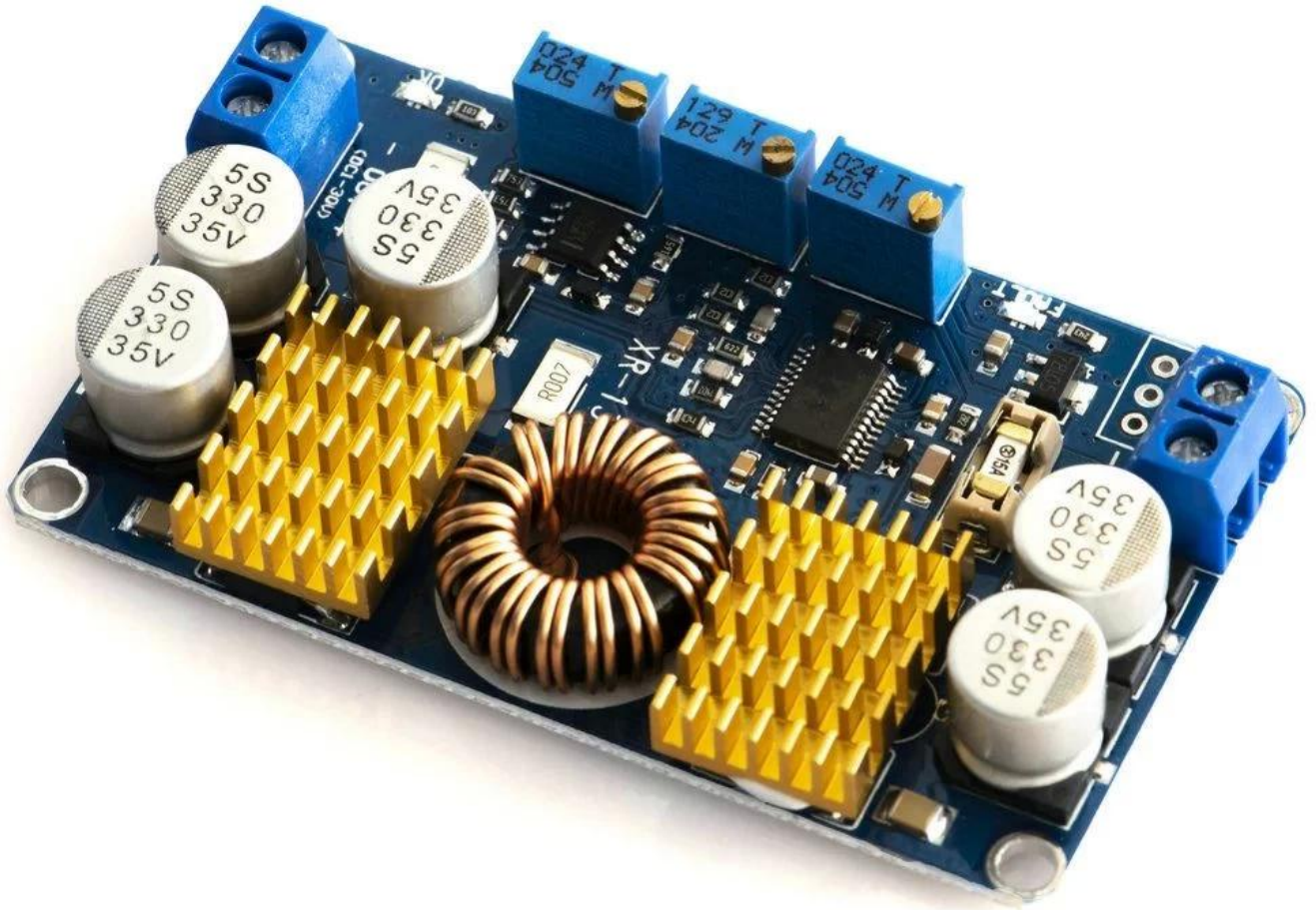
<p>꺻꺻꺻꺻꺻 꺻꺻꺻꺻꺻:</p>	<p>80 꺻꺻꺻꺻꺻 꺻꺻꺻꺻꺻 꺻꺻꺻꺻꺻 130 꺻꺻꺻꺻꺻 꺻꺻꺻꺻꺻 80 꺻꺻꺻꺻꺻꺻꺻 꺻꺻꺻꺻 꺻꺻꺻꺻 꺻꺻꺻꺻꺻꺻 꺻꺻꺻꺻꺻</p>
<p>꺻꺻꺻꺻꺻꺻 꺻꺻꺻꺻꺻:</p>	<p>50mV</p>
<p>꺻꺻꺻꺻꺻꺻 꺻꺻꺻꺻꺻꺻 꺻꺻꺻꺻꺻:</p>	<p>-45 ~ + 85</p>

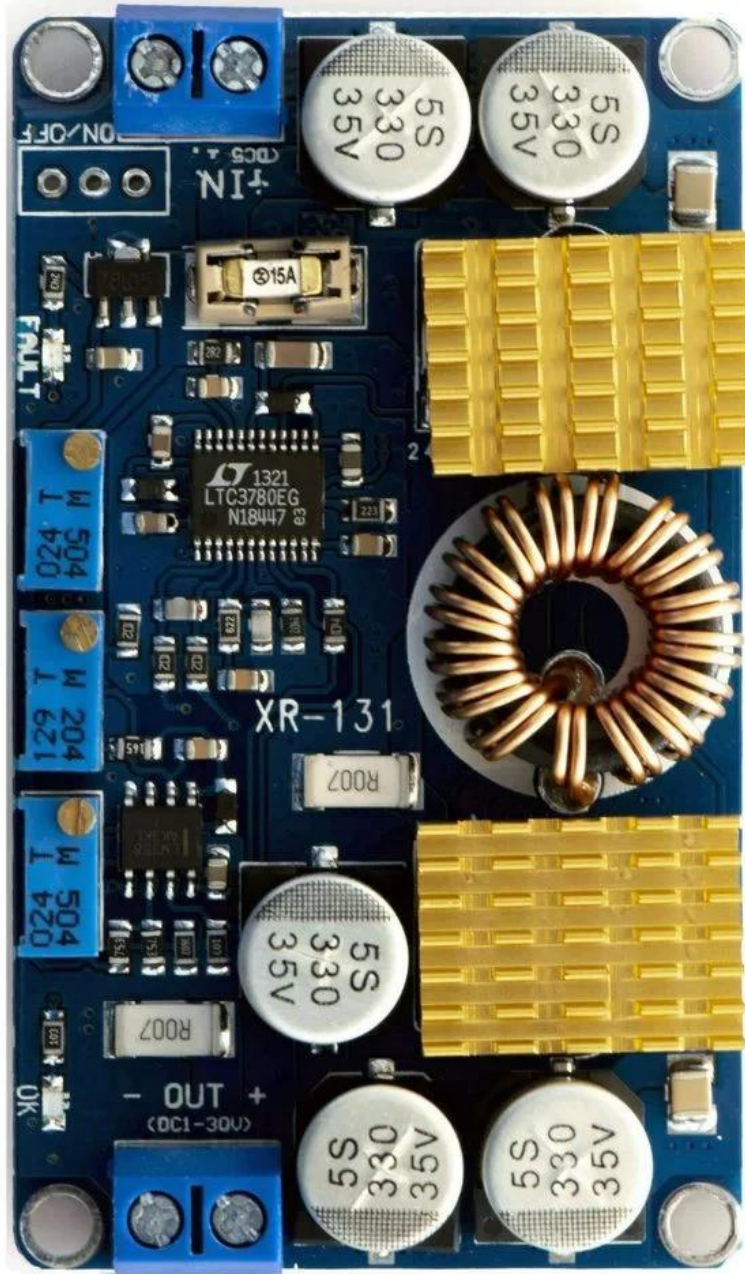


O-LEADING
 To Be Reliable, To Be Valuable









فریقنا



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

CICC INSPECTION CERTIFICATION



嘉泰认证

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 18118Q10347R05

We hereby certify that
O-LEADING SUPPLY CHAIN(HK) CO.,LIMITED
 Credit No: 61691591-000-07-18-7
 Registration Add: FLAT/RM 1205 12/F TAI SANG BANK BUILDING 130-132 DES
 VDEUS BOAD CENTRAL HK
 Business Add: 1313, Floor 13, Fortune Building, Danshui Town, Huiyang
 District, Huizhou, Guangdong, China

Has implemented and maintains a **Quality Management System**
 Which fulfils the requirements of the following standards
GB/T19001-2016 idt ISO9001:2015

Scope of certification
 Sales of printed circuit boards

Initial issuance period: February 27, 2018
 Renewal date: April 22, 2019
 This certificate is valid during: April 22, 2019 ~ February 26, 2021
 This certificate is invalid without CICC qualified label in the following period


First supervision and audit	Second supervision and audit	Qualified mark
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The certification implications are under demand to include those production services which shall be covered by the relevant effective administrative provisions and qualification provisions regulated by the state. The effectiveness of this certificate shall be notified by annual surveillance audit of CICC. The certificate shall be valid when used together with the surveillance audit certificate. The initial issuance of this certificate can be searched at the portal of CICC www.cicc.com.cn by the date of issuance see below for more.






CICC INSPECTION CERTIFICATION



嘉泰认证

质量管理体系认证证书

证书号: 18118Q10347R05

兹证明
诚领供应链(香港)有限公司
 统一社会信用代码: 61691591-000-07-18-7
 注册地址: 香港中環德輔道中 130-132 號大生銀行大廈 1205 室
 经营地址: 广东惠州惠阳淡水南亨西路财富大厦 13 楼 1313



建立的质量管理体系符合
GB/T19001-2016 idt ISO9001:2015 质量标准适用条款的要求


认证范围
 印刷线路板的销售

初次发证日期: 2018年02月27日
 换证日期: 2019年04月22日
 证书有效期: 自2019年04月22日至2021年02月26日
 在下列期限内, 未经 CICC 黏贴合格标贴, 本证书无效

第一次复审	第二次复审	粘标处
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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



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中国·深圳·龙岗区长龙路430号13楼工业园4栋505A室 邮编: 518129 | 86-755-25208888 | 86-755-83106190 | sgs.china@sgs.com

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Test Report

No. SZXEC1900530401 Date: 30 Mar 2019 Page 2 of 6

Test Results :

Test Part Description :

Table with 3 columns: Specimen No., SGS Sample ID, Description. Row 1: 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, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

Table with 5 columns: Test Item(s), Limit, Unit, MDL, 0/1. Lists various substances like Cadmium, Lead, Mercury, Hexavalent Chromium, Sum of PBBs, etc. with their respective limits and detection results.



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ZPMV2.E490354 - WIRING, PRINTED - COMPONENT

Wiring, Printed - Component

See General Information for Wiring, Printed - Component

O-LEADING SUPPLY CHAIN (HK) CO LTD
 ROOM 1205, 12/F
 TAI SANG BANK BLDG
 130-132 DES VOEUS ROAD
 CENTRAL, HONG KONG

E490354

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

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القدرة العملية

القدرة القصوى	1 32- 32
القدرة القصوى	1 / 3oz-12oz
القدرة القصوى / القدرة القصوى	3.0 3.0 / 3.0
القدرة القصوى / القدرة القصوى	4.0 4.0 / 4.0
القدرة القصوى	10: 1
القدرة القصوى	0.2 5.0 - 5.0
القدرة القصوى (القدرة القصوى)	635 * 1500
القدرة القصوى	4
القدرة القصوى Plated	+/- 3
Blind / Buried Vias (AII)	
القدرة القصوى (القدرة القصوى)	
القدرة القصوى	FR-4 FR-4hg Tg Rogers
القدرة القصوى	HASL OSP ENIG HAL-LF Immersion silver

القدرة القصوى SMT

القدرة القصوى	FR-4 CEM-1 CEM-3
القدرة القصوى	510x460
القدرة القصوى	50x50
القدرة القصوى	0.5 4.5 - 4.5
القدرة القصوى	0.5-4
القدرة القصوى	0201
القدرة القصوى	0603
القدرة القصوى	15
القدرة القصوى	0.3
القدرة القصوى	0.4
القدرة القصوى	+/- 0.03

التعبئة والتغليف والتسليم

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

التعليمات

1. اختبار O-Leading

يتم اختبار O-Leading في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 1.1 ISO 9001: 2008. يتم إجراء اختبار O-Leading في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 1.2 ISO 9001: 2008. يتم إجراء اختبار O-Leading في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 1.3 AOI (اختبار الخطأ البصري الآلي) في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 1.4 في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 1.5 في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي.

2 O-Leading

يتم اختبار O-Leading في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 2.1 في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 2.2 في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 2.3 في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 2.4 في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي. يتم إجراء اختبار O-Leading وفقًا للمواصفة 2.5 في كل دفعة إنتاجية من أجل ضمان جودة المنتج النهائي.

.3 O-Leading

FR4 PCB PCB TG Rogers Arlon Telfon PI .

.4

4.1 4.2 PCB Gerber.

4.3 PCB PCBA.

4.4 .

4.5

.5

AOI PTH AOI E / T .

.6 HDI

VCP LDI .

LDI Screen Hitachi .

.7

ENIG OSP LF-HASL OSP ENIG + ENIG HDI OSP OSP + ENIG BGA PAD .0.3

.8 FPC O-Leading SMT

8 2000mm * 240mm "Flex Flexability" SMT .

- 9

.10 PCB PWB FPC

PWB Wire Wire Board FPC .

.11 PCB

Tg CTE 250 C

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.00000000 00000000 00000000 0000 00000000 0 00000000

00000000000 000000 00000 0000 **.13**

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POLAR INSTRUMENTS.

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