O-leading에 오신 것을 환영합니다

O-Leading은 PCB 설계, PCB 제조 및 PCB 조립을 포함한 EMS 공급망의 원 스톱 솔루션 파트너가되기 위해 노력합니다 (다층_보드_전원_공급_장치_모듈_제조업체_중국), 우리는 HDI PCB, 다층 PCB, Rigid-Flexible PCB를 포함하여 가장 진보 된 PCB 기술을 제공하며 빠른 회전 프로토 타입에서 중형 및 대량 생산에 이르기까지 지원할 수 있습니다.

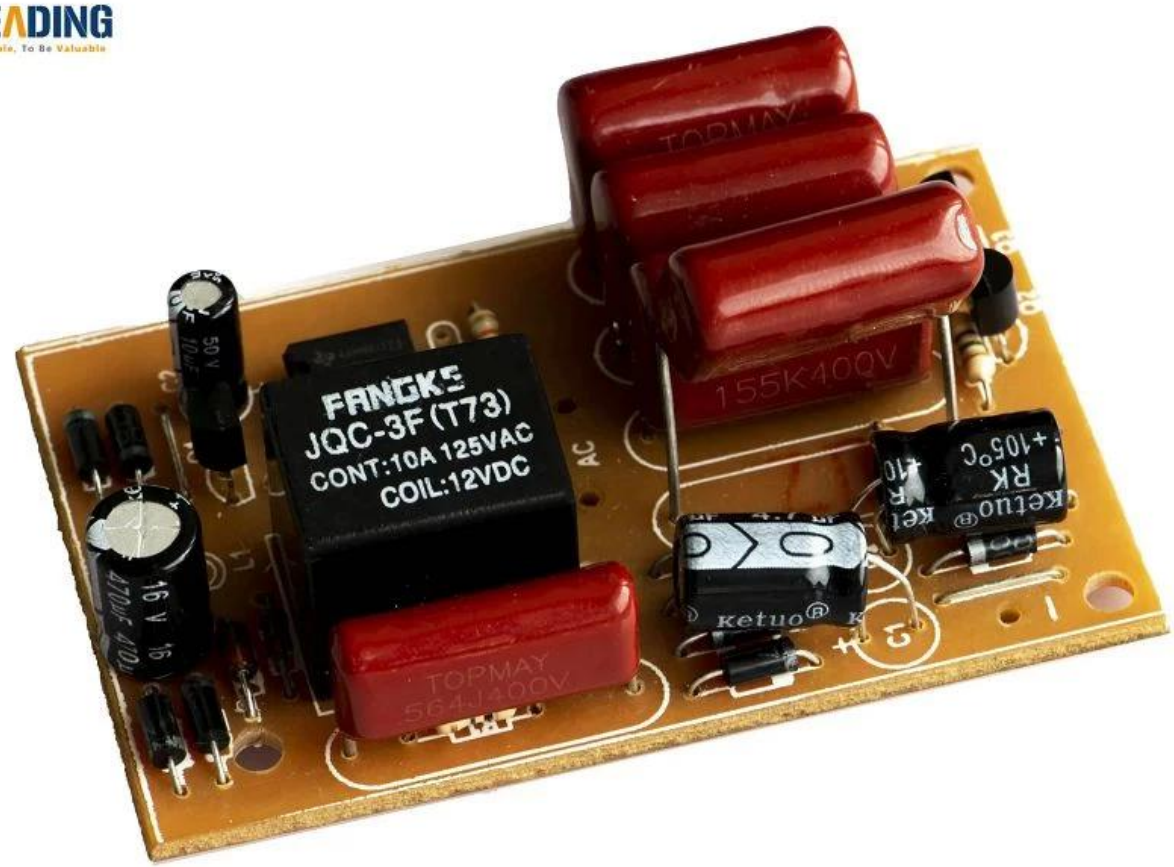
일반적으로 당사의 글로벌 고객은 신속한 대응, 경쟁력있는 가격 및 품질 약속과 같은 당사 서비스에 깊은 인상을받습니다.보다 가치있는 기술 서비스와 전반적인 솔루션을 제공하는 것이 O를 선도하는 방법입니다.

O-leading은 미래를 내다보고 항상 전자 제조 기술의 혁신과 개발에 집중하고 PCB 및 PCBA 원 스톱 서비스에 지속적으로 노력하여 일류 서비스를 제공하고 고객에게 더 많은 가치를 창출 할 것입니다.

자세한 정보를 보려면 여기를 클릭하십시오 :**SMD LED 전구 PCB 회로_기판_모듈 12W**

제품 설명

O-LEADING
To Be Reliable, To Be Valuable

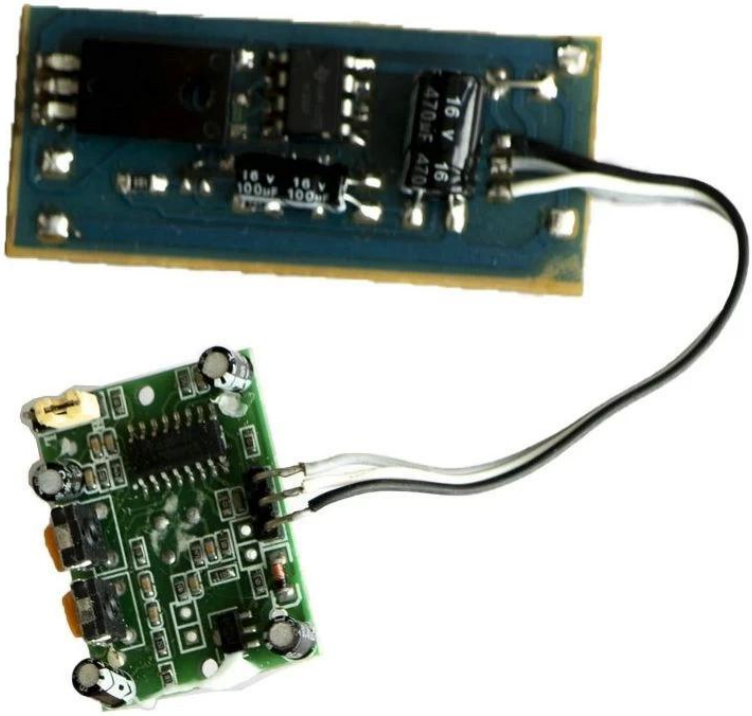


O-LEADING
To Be Reliable, To Be Valuable

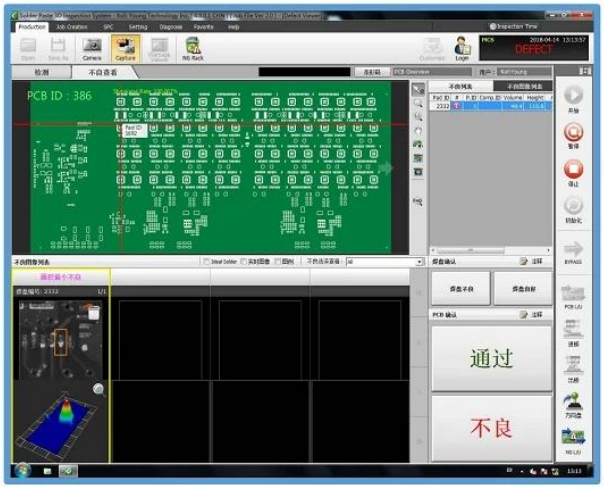
O-LEADING

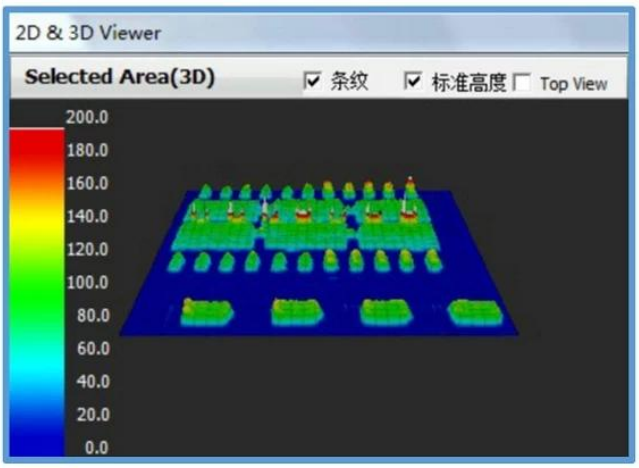
To Be Reliable, To Be Valuable

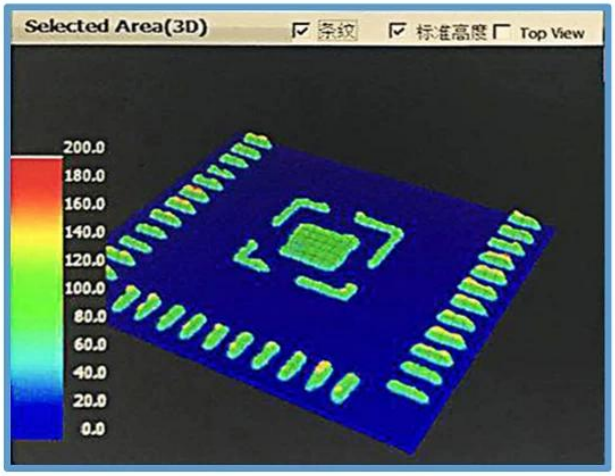
O-LEADING
To Be Reliable, To Be Valuable



KOHYOUNG solder pasteig check SPI Figure 3 d imaging

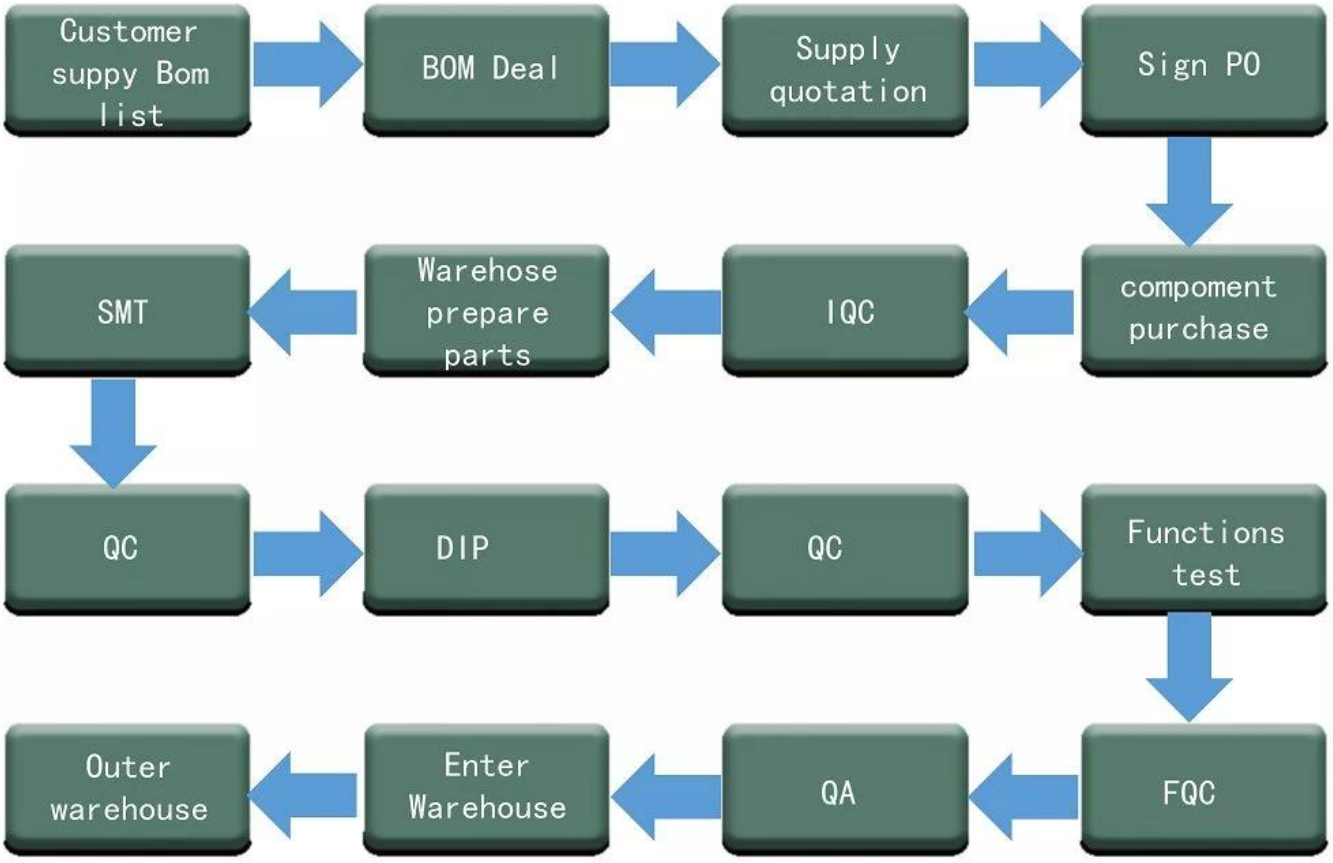






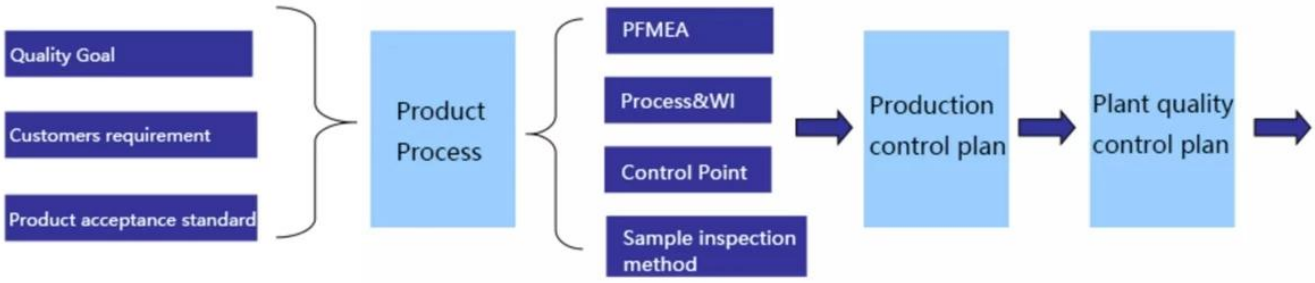
Process Flow Chart

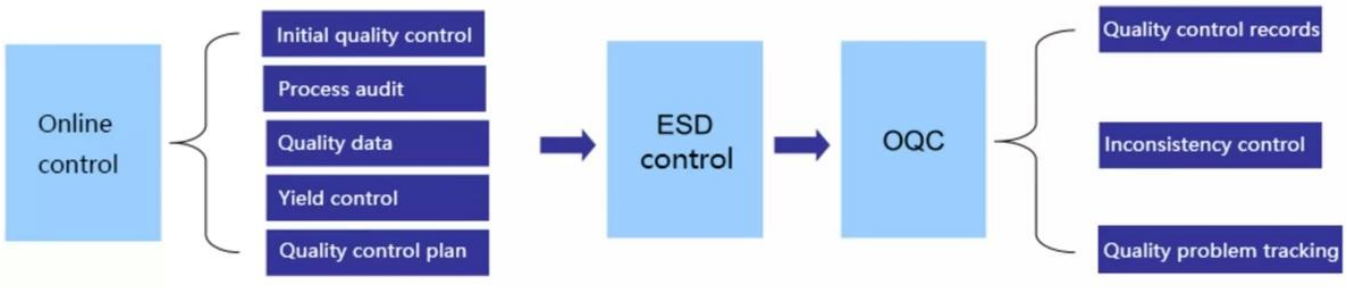
O-LEADING
To Be Reliable, To Be Valuable



Quality Control Process

O-LEADING
To Be Reliable, To Be Valuable





Market Share

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

□□

CICC INSPECTION CERTIFICATION

CICC CERTIFICATION
嘉泰认证

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 18118Q10347R0S

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 VOEUS ROAD 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

CICC IAF CNAS

CICC INSPECTION CERTIFICATION

CICC CERTIFICATION
嘉泰认证

质量管理体系认证证书

证书号：18118Q10347R0S

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

初次获证日期：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

在下列期间内，未经 CICC 贴贴合格标贴，本证书无效

第一次监审		第二次监审	贴标处

本证书认证范围不包括未获得有效的国家规定的相关行政许可、资质许可的产品/服务范围；

本证书通过CICC定期监督审核保持，与年度《保持认证通知书》共同方为有效；

本证书信息可在国家认监委网站：www.cnca.gov.cn及CICC网站www.cicc-ccc.com查询。

CICC IAF CNAS

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 Fan
Approved Signatory

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

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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
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch
SGS Bldg, No.2, Jingshan Industrial Park, No.428, 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号江厦工业园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
ROOM 1205, 12/F
TAI SANG BANK BLDG
130-132 DES VOEUS ROAD
CENTRAL, HONG KONG

E490354

Type	Cond Width Min mm(in)	Min Edge mm(in)	Cond Thk mic(mil)	SS/ DS/ DSO	Max Area Diam mm(in)	Solder Limits C	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.

공정 능력

PCB 생산 능력

레이어 수	1 층 -32 층
완성 된 구리 두께	1 / 3oz-12oz
최소 선 너비 / 간격 내부	3.0mil / 3.0mil
최소 선 너비 / 간격 외부	4.0mil / 4.0mil
Max Aspect Ratio	10 : 1
보드 두께	0.2mm ~ 5.0mm
최대 패널 크기 (인치)	635 * 1500mm
최소 드릴 구멍 크기	400 만
PIated 홀 공차	+/- 3mil
BIind / Buried Via (AII 유형)	예
Via Fill (전도성, 비전 도성)	예
기본 재료	FR-4, FR-4high Tg. 할로겐 프리 소재, 로저스, 알루미늄베이스,Polyimide, 무거운 구리
표면 마감	HASL, OSP, ENIG, HAL-LF, lmmersion silver,lmmersion 주석, 금 손가락, 탄소 잉크

SMT 생산 능력

PCB 재질	FR-4, CEM-1, CEM-3, 알루미늄 기반 보드
최대 PCB 크기	510x460mm
최소 PCB 크기	50x50mm
PCB 두께	0.5mm ~ 4.5mm
보드 두께	0.5-4mm
최소 구성 요소 크기	0201
표준 칩 크기 구성 요소	0603 이상
구성 요소 최대 높이	15mm
최소 리드 피치	0.3mm
최소 BGA 볼 피치	0.4mm
배치 정밀도	+/- 0.03mm

포장 및 배송

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

자주하는 질문

1. O-Leading은 품질을 어떻게 보장합니까?

우리의 고품질 표준은 다음과 같이 달성됩니다.

1.1이 프로세스는 ISO 9001 : 2008 표준에 따라 엄격하게 관리됩니다.

1.2 생산 프로세스 관리에 소프트웨어의 광범위한 사용

1.3 최첨단 테스트 장비 및 도구. 예 : 플라잉 프로브, X- 레이 검사, AOI (자동 광학 검사기) 및 ICT (회로 내 테스트).

1.4 실패 사례 분석 프로세스를 갖춘 전담 품질 보증 팀

1.5. 지속적인 직원 훈련 및 교육

2. O-Leading은 어떻게 가격 경쟁력을 유지합니까?

지난 10 년 동안 많은 원자재 (예 : 구리, 화학 제품)의 가격이 두 배, 세 배 또는 네 배가되었습니다. 중국 통화 RMB는 미국 달러 대비 31 % 상승했습니다. 그리고 인건비도 크게 증가했습니다.

그러나 O-Leading은 가격을 일정하게 유지했습니다. 이것은 비용 절감, 낭비 방지 및 효율성 향상에 대한 우리의 혁신에 전적으로 소유하고 있습니다. 우리의 가격은 동일한 품질 수준에서 업계에서 매우 경쟁력이 있습니다.

우리는 고객과의 상생 파트너십을 믿습니다. 비용과 품질에 대한 이점을 제공 할 수 있다면 우리의 파트너십은 상호 이익이 될 것입니다.

3. O-Leading은 어떤 종류의 보드를 처리 할 수 있습니까?

일반적인 FR4, 고 TG 및 할로겐 프리 보드, Rogers, Arlon, Telfon, 알루미늄 / 구리 기반 보드, PI 등

4. PCB □ PCBA □□□ □□□ □□□□ □□□□□?
4.1 □□ □□□□□□ BOM (Bill of Materials) : □□ □□ □□, □□□□ □□ □ □□ □□.
4.2 PCB Gerber □□.
4.3 PCB □□ □□ □ PCBA □□ □□.
4.4 □□□ □□.
4.5 □□ □□ □□ □□□ □□ □□□ □□ □□.

5. □□ PCB□ □□□□ □□□□ □□□ □□□□□?
□□ □□ → □□ □□□ □□ → □□ □□ → □□ AOI → □□ □□ → □□□ □□ □□□ → □□□ → PTH → □□ □□ → □□ □□□ □□ → □□ □□ → □□ □□ → □□ AOI → □□ □□□ → □□ □□ → □□ □□□ → □□□ → E / T → □□ □□.

6. HDI □□□□□ □□ □□□ □□□□□?
□□ □□ □□□ □□□ □□□□ : □□□ □□□ □□, □□□ □□, VCP □□, □□ □□□, LDI □.
□□□ □□□ □□□ □□ □□□□, □□□ □□□ □□□ Mitsubishi□ Hitachi□□, LDI □□□ Screen (□□)□□, □□ □□□ □□ Hitachi□□ □□□□ □□□ □□ □□ □□□ □□ □ □ □□□□.

7. □□□ □□ □□□ □□ □□ O- □□□ □ □ □□□□?
O-the □□□ ENIG, OSP, LF-HASL, □ □□ (□□ / □□), □□□, □□,□ □□, □□ □□ □□, □□ □□ □□ □□ □□ □□□ □□ □□□ □□□ □□□□.
HDI□□ □□□□□ □□□□ OSP, ENIG, OSP + ENIG, BGA PAD □□□ 0.3mm □□□ □□ □□□□□ □□□□□ □□ OSP OSP + ENIG□ □□□□ □□ □□□□.

8. FPC□ □□ □□□ □□□ □□□□□? O-Leading□ SMT □□□□ □□ □ □ □□□□?
O-Leading□ □□□□ 8 □□□ FPC□ □□□ □ □□□□. □□ □□ □□□ □□ 2000mm * 240mm□□ □□□□□. □□□ □□□“Flex Capability”□□□□□ □□□□□□.
□□□ □□ □□□□ SMT □ □□ □□□□ □□□□□.

9. PCB □□□ □□□ □□□ □□ □□□ □□□□□?
□□;
□□ □□□;
□□ □□□;
□□ □□ □□;
PCB □□;
□□ □□;
□□ □□□ □□□□.

10. PCB, PWB □ FPC□ □□□ □□□□ □□□□ □□□□□?
PCB□ □□ □□ □□□ □□□□□.
PWB□ Printed Wire Board□ □□□ □□ □□ □□□ □□ □□□□□.
FPC□ Flexible Printed Board□ □□□□□.

11. PCB □□□ □□□ □□□ □ □□ □□□ □□□□□□□?
PCB □□□ □□□ □ □□ □□□ □□□□□□□.
□□□ Tg □□ □□ □□□□ □□□□□.
□□ CTE □□□ □ □□□□ □□□□□.
□□□ □ □□ □□ : □□□□□ PCB□ □□ 50 □ □□ 250 ℃□ □□ □ □□□□□□.
□□ □□□; □□□ □□□ □□□□ □□□ PCB□□ □□□ / □□ □□ □□□ □□□□□. □□□ PCB□ □□□□ □□□ □□ □□ □□ □□; □□ □□□ □□□ □□ □□ □□□ □□ □ □ □□□□□.

12. O-leading rIgid-flex PCB□ □□□ □□□□□?
O-leading□ rigid-flex PCB□ FPC□ PCB□ □□□ □□ □□□□□ □□ □□ □□□ □□□ □ □□□□. □□□ □□□□ □□ □□□ □□□□ □□□ □□ □ □□ □□□□ □□ □□□ □□□ □□□ □□□□ □ □□□□.

13. □□□□ □□□ □□□□□□?

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