

O-leading PCB 專業 製造 服務

O-Leading PCB 專業, PCB 製造 及 PCB 組裝 服務 EMS 服務 及 專業 製造 服務 提供 專業 服務. 專業 HDI PCB, 專業 PCB, Rigid-Flexible PCB 專業 製造 及 PCB 組裝 服務. 及 專業 製造 服務 及 專業 製造 服務 專業 服務.

專業 製造 服務 專業 製造 服務, 專業 製造 服務 及 專業 製造 服務 專業 服務 專業 服務. 專業 製造 服務 專業 製造 服務 專業 服務 專業 服務 專業 服務.

O-leading 專業 製造 服務 專業 製造 服務 專業 製造 服務 專業 製造 服務 PCB 及 PCBA 專業 製造 服務 專業 製造 服務.

專業 製造 服務 專業 製造 服務 : [專業 製造 服務 PCB 專業 製造 服務](#)

O-LEADING
To Be Reliable, To Be Valuable

WE ALWAYS PROVIDE YOU

BEST HIGH DENSITY INTERCONNECT PCB

WE ALWAYS PROVIDE YOU

BEST RIGID-FLEXIBLE CIRCUIT



Raspberry Pi 3 專業 A +, Raspberry Pi 3B + 專業 製造 服務, 及 專業 製造 服務, 及 專業 製造 服務 ([Raspberry Pi 專業 製造 服務 專業 製造 服務 PCB 專業 製造 服務](#))

□□

RAM 512MB □□□ USB □□□ □□□□□ □□□□ Raspberry Pi 3 Model A + □ □ □ □ □ □□□□.

□□□ □□ □□□ □□□□□.

Raspberry Pi 3 Model A + □□ Raspberry Pi 3B + □□ □□□□ □□□ □□ □□□ □□□ □□ □□ □□□□□.

* 1.4GHz 64 □□ □□ □□ ARM Cortex-A53 CPU

* 512MB LPDDR2 SDRAM

* □□ □□ 802.11ac □□ LAN □ Bluetooth 4.2 / BLE

* □□□□ USB □□□□ □□ □□ □□

* □□□□ □ □□

□ □□□ □□□□□ □□ □□□ FCC □□□□ □□ □□ □□□ □□□□□ Raspberry Pi □□ □□□ □□□ □□□ □□ □□ □ □□□□□.



TOP QUALITY PCBA
O-LEADING
To Be **Reliable**, To Be **Valuable**



MAKE YOUR IDEA COME **TRUE**

□□□

- * Broadcom BCM2837B0, Cortex-A53 (ARMv8) 64-bit SoC @ 1.4GHz
- * 512MB LPDDR2 SDRAM
- * 2.4GHz / 5GHz IEEE 802.11.b / g / n / ac WLAN, Bluetooth 4.2 / BLE
- * 17x17-pin I2C
- * 40-pin GPIO
- * 1x HDMI
- * 2x USB 2.0
- * Raspberry Pi camera module CSI
- * 1x DSI
- * 4x USB 2.0
- * 1x SD card
- * 5V / 2.5A DC



TOP QUALITY PCBA
O-LEADING
 To Be **Reliable**, To Be **Valuable**

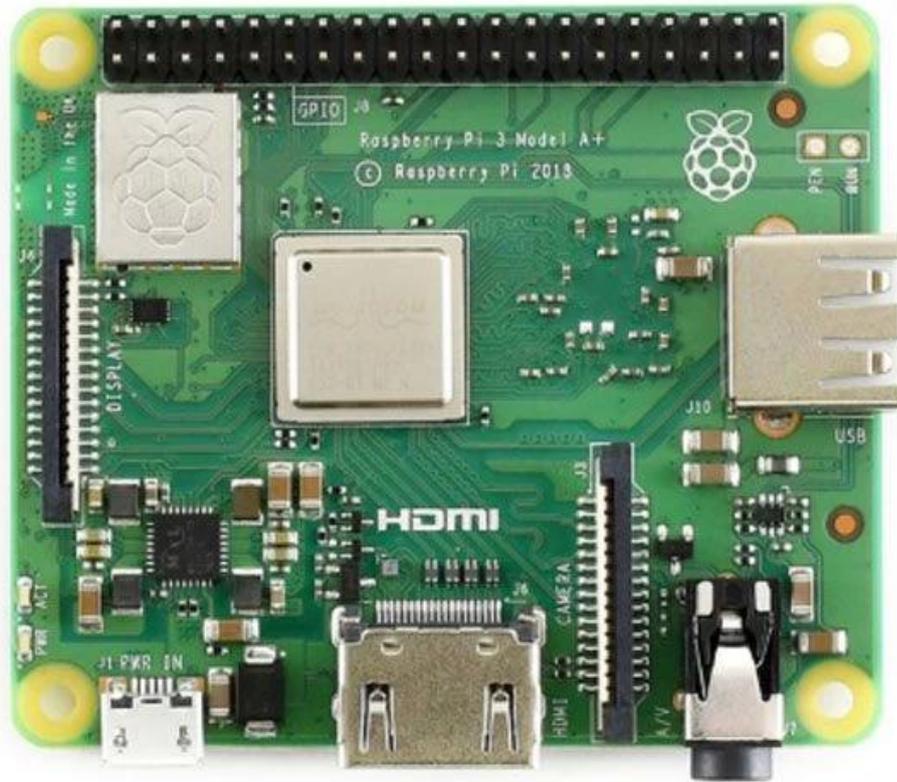


MAKE YOUR IDEA COME **TRUE**



TOP QUALITY PCBA

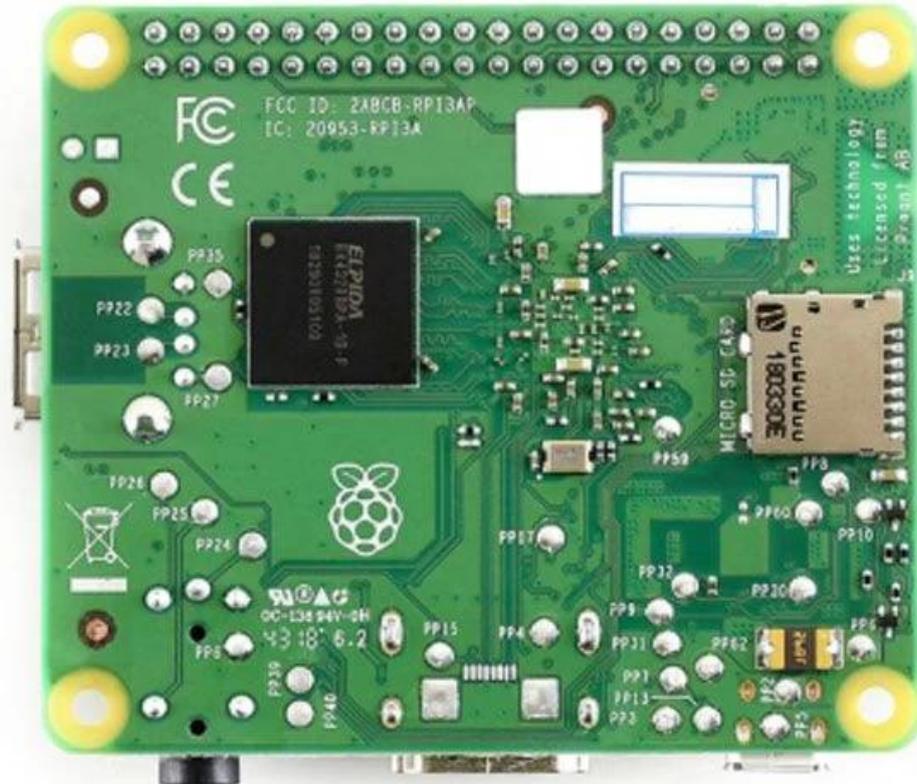
O-LEADING
To Be **Reliable**, To Be **Valuable**



MAKE YOUR IDEA COME **TRUE**

TOP QUALITY PCBA

O-LEADING
To Be Reliable, To Be Valuable



MAKE YOUR IDEA COME **TRUE**

TOP QUALITY PCBA

O-LEADING
To Be Reliable, To Be Valuable



MAKE YOUR IDEA COME **TRUE**



O-LEADING CUSTOMER

To be **RELIABLE**

- Q**uality first ,
- C**ustomer supreme ,
- S**cientifically management ,
- S**triving for famous brand



THE CUSTOMER IS KING



To be **VALUABLE**

- S**cience and technology keeps head ,
- P**ut people first ,
- B**e precise and practical ,
- C**ontribute sincerely

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



HOW O-LEADING MAKE A PROJECT FOR YOU

Hardware Dispenser Application Not

Automatic Dispenser Application Not

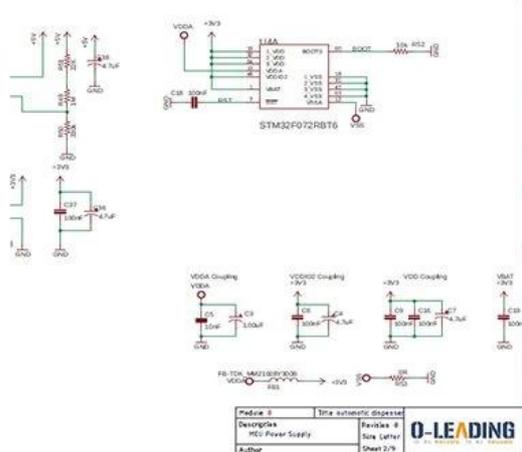
Voltage Table

| Volt Pin Number | Description |
|-----------------|-----------------|
| VDD | Battery voltage |
| +3V3 | +3.3V |
| +5V | +5V |
| USB +5V | USB 5V input |
| +5V/2 | Isolated +5V |
| +12V | 12V DC Drive |

STM32F072 PINOUT table

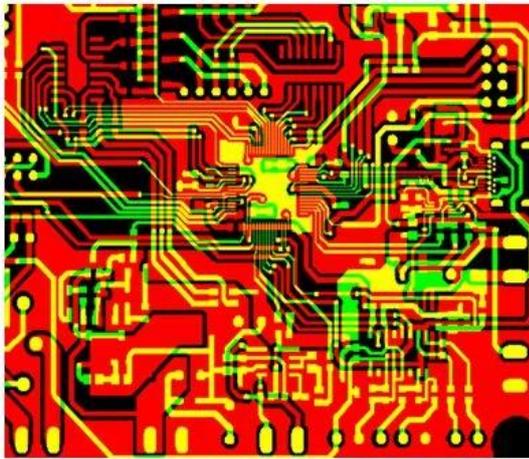
| Wire Name | Description | DIO | Mode | Note |
|-------------|--|----------|------|-----------------------|
| SMTN_TOF | Shutdown Time of flight sensor | Output | | Logic '0' to shutdown |
| I2C_SCL_TOF | I2C communication with time of flight sensor | I2C1_SCL | | |
| I2C_SDA_TOF | I2C communication with thermopile sensor | I2C1_SDA | | |
| I2C_SCL_IR | I2C communication with thermopile sensor | I2C2_SCL | | |
| I2C_SDA_IR | I2C communication with thermopile sensor | I2C2_SDA | | |
| RATE_LC | Load cell control pins | Output | | |
| DOUT_LC | Load cell control pins | Output | | |

O-LEADING
TO BE RELIABLE, TO BE AVAILABLE

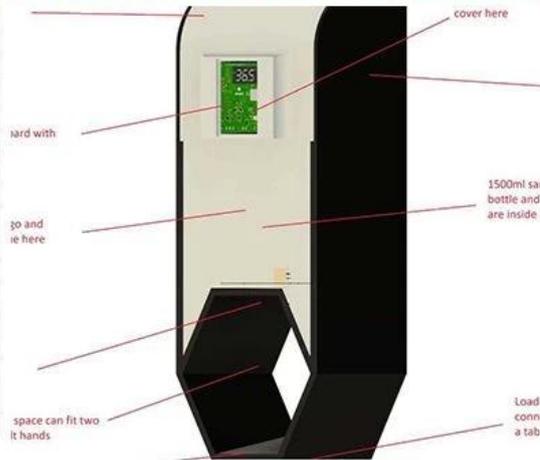


HARDWARE schematics

PCB PRODUCTION COMPONENTS SOURCING



| Qty | Value | Device | Parts | Description |
|-----|---------|---------------|---------|---------------------------------|
| 4 | AK500/2 | AK500/2 | X1, X2 | CONNECTOR |
| 1 | AK500/3 | AK500/3 | X7 | CONNECTOR |
| 1 | 1241148 | MA04-2 | SV2 | |
| 1 | PPPC04 | MA04-2 | SV1 | 8 POS, 4*2 FEMALE PIN HEAD |
| 1 | ML10 | ML10 | SV4 | HARTING |
| 1 | 8MHZ | XTALL_CSTCE8M | X5 | STCE8M00G52-R0 RESONATOR |
| 1 | 0R | R-0603 | R53 | Thick Film Resistors - SMD 0603 |
| 2 | 10R | R-0603 | R12, R5 | Thick Film Resistors - SMD 0603 |
| 8 | 100R | R-0603 | R1, R2 | Thick Film Resistors - SMD 0603 |
| 1 | 270R | R-0805 | R15 | Thick Film Resistors - SMD 0605 |
| 1 | 330R | R-0603 | R11 | Thick Film Resistors - SMD 0603 |
| 9 | 680R | R-0603 | R20, R3 | Thick Film Resistors - SMD 0603 |
| 17 | 1k | R-0603 | R9, R10 | Thick Film Resistors - SMD 0603 |
| 2 | 4.7k | R-0603 | R17, R6 | Thick Film Resistors - SMD 0603 |
| 2 | 5.1k | R-0603 | R18, R1 | Thick Film Resistors - SMD 0603 |
| 9 | 10k | R-0603 | R16, R3 | Thick Film Resistors - SMD 0603 |
| 9 | 10k | R-0603 | R20, R7 | Thick Film Resistors - SMD 0603 |



PCB Assembly MECHANICAL DESIGN

Skyworth 创维

HET 和而泰
HET INTELLIGENT CONTROL

dongweikeji
东威科技

美的 Midea

STAR-NET
星网锐捷

FORYOU
ADAYO 华阳集团

EDIFIER[®]

Cultraview 金锐显

3nod 三诺

T&W

TCL

AcBel 康舒科技
ACBEL POLYTECH INC.

Honeywell

Schneider
Electric

ZTE 中兴

EMERSON

BYD

PHILIPS

TE
connectivity

VIDEOTON

CUSTOMER VOICE IS **EXTREMELY IMPORTANT** TO US

订单编号: 49335463501024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



High quality usb power pcb , pcba manufacturer

★★★★★

Fancy has done an excellent job, whenever we write, she answered us within 1 second, O-leading is very perfect with fast delivery, fast logistics, the most important thing is good quality, good packaging, thank you!

[回复该评论](#)



oem customized rohs pcb drawing schematic s...

★★★★★

We received the boards, the quality is very good, the price is very reasonable, Fancy is very nice & smart & experienced, the logistics is super fast, I will come to see more in the future.

[回复该评论](#)

订单编号: 490224962001024670

United States

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



High TG180 FR-4 Circuit HDI PCB 94V0 Board...

★★★★★

This is a very difficult PCB design, but we are lucky to find O-leading to support the PCB for us very good to a PCB supplier.



universal FR4 Multilayer PCB washing machine...

★★★★★

Fancy gives us very excellent service, very professional and experienced, O-leading is the best one of our suppliers, very happy to work with them.

订单编号: 49298271001024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



High TG180 FR-4 Circuit HDI PCB 94V0 Board ...

★★★★★

perfect product, perfect PCB supplier!

[回复该评论](#)



oem customized rohs pcb drawing schematic s...

★★★★★

Very good and professional PCB product as usual!

[回复该评论](#)



Strip LED Aluminum FR-4 lighting PCB board 9...

★★★★★

High quality, fast delivery, good service, competitive price, lucky and happy to purchase from O-leading!

[回复该评论](#)

订单编号: 4093862201024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



High quality Keyboard pcb & pcba Factory SMT...

★★★★★

Top quality, it's the right choice to choose O-leading to make the PCB & PCBA

[回复该评论](#)



Professional Printed Circuit Board Manufactur...

★★★★★

Very high quality PCB products, O-leading is the best PCB supplier that we have ever worked with.

订单编号: 44068794501034670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



High TG180 FR-4 Circuit HDI PCB 94V0 Board ...

★★★★★

We bought two batches, one by DHL, the other one by air, good quality and fast delivery!

LISTEN TO CUSTOMER VOICE

订单编号: 40903347501024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



Strip LED Aluminum FR-4 lighting PCB board 9...

★★★★★

Very fast delivery! Fantastic, good job!!!



Professional Printed Circuit Board Manufactur...

★★★★★

Very happy to great support from O-leading, they are not only professional on the PCB, but also provide good PCB products, very good supplier!

订单编号: 36919647001024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



AML-S802 Quad-core Android embedded boar...

★★★★★

Good products



Fast delivery low cost pcb fabrication O-leadin...

★★★★★

Good supplier

订单编号: 37378603001024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



hot sale rigid-flexible PCB with 0.2mm BGA an...

★★★★★

very professional supplier



High Quality custom FPCB/Flex PCB/FPC/Flexi...

★★★★★

Good product



OEM ODM PCBA Bluetooth Wireless Marking G...

★★★★★

high soldering quality



Electronic parts haptic pcba Circuit Board asse...

★★★★★

Very Good product

订单编号: 37378603001024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



Lidar IR Sensor board pcba(H08R6x)

★★★★★

perfect product



Customized PCBA design PCB design

★★★★★

perfect



Audio Speaker and Headphone Jack (H07R3x)

★★★★★

High quality, good

订单编号: 37378603001024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



Raspberry pi 0 Zero Raspberry Pi Zero P1 W ver...

★★★★★

Fantastic products!!!



double layer pcb with red S/M and LF-HASL su...

★★★★★

Good!

订单编号: 37378603001024670

供应商服务: 非常满意 (5 stars) 按时发货: 非常满意 (5 stars)



half hole pcb, half hole pcb module, half hole m...

★★★★★

Top half hole pcb supplier, very perfect goods



High Quality custom FPCB/Flex PCB/FPC/Flexi...

★★★★★

this rigid-flexible pcb quality is perfect!



Electronic parts haptic pcba Circuit Board asse...

★★★★★

Very satisfied with O-leading products and quality, especially their on-time delivery, fantastic!

Be kind to your client, because he has many choices, but he chooses you instead.



O-LEADING TRAINING



Keep *LEARNING*

There's a phrase in Buddhism, 'Beginner's mind.'

It's wonderful to have a beginner's mind

WE HAVE A *DREAM*

Keep *RUNNING*

I would like to live to study, and not study to live.

----Bacon





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 tests(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 on the reverse side of this document or available at www.sgs.com. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction clauses defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of the Client's instructions. In any event, the Company's sole responsibility is to its Client and the document does not exonerate parties to a transaction from respecting all their rights and obligations under the transaction documents. This document cannot be reproduced or used in any manner whatsoever without the 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 liability shown in this report refers only to the specific tested item.

Attention: To check the authenticity of testing SGS/CSTC Reports & certificates, please contact us at telephone: (86-755) 8307 1443 or e-mail: CN.Certification@sgs.com

SGS 嘉泰认证有限公司 深圳分公司 地址: 深圳市福田区中康路12号卓越世纪中心1号楼1501-1502室 邮编: 518029 电话: (86-755) 8307 1443 传真: (86-755) 25028888 电子邮箱: sgs@sgs.com

Member of the SGS Group (SGS SA)



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 | 0/1 |
|------------------------------|-------|-------|-----|-----|
| 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 on the reverse side of this document or available at www.sgs.com. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction clauses defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of the Client's instructions. In any event, the Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from respecting all their rights and obligations under the transaction documents. This document cannot be reproduced or used in any manner whatsoever without the 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 liability shown in this report refers only to the specific tested item.

Attention: To check the authenticity of testing SGS/CSTC Reports & certificates, please contact us at telephone: (86-755) 8307 1443 or e-mail: CN.Certification@sgs.com

SGS 嘉泰认证有限公司 深圳分公司 地址: 深圳市福田区中康路12号卓越世纪中心1号楼1501-1502室 邮编: 518029 电话: (86-755) 8307 1443 传真: (86-755) 25028888 电子邮箱: sgs@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 | C T | |
|--|---------------|---------------|-------------------------|-------------------|------------------------|-----------------------|-------------------|----------------|--------|----------------|
| | Min | Edge | | | Area Diam mm(in) | Solder Limits C | Oper Temp C | | | Flame Class |
| | mm(in) | mm(in) | | | | sec | | DSR | I | |
| 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“声明必须出现在所提取材料的邻近位置。此外，转载材料必须包含以下格式的版权声明：“© 2019 UL LLC”



| | |
|---------------------------|---|
| PCB | |
| Thickness | 1.6mm - 3.2mm |
| Weight | 1 / 3oz-12oz |
| Copper Thickness | 3.0mil / 3.0mil |
| Prepreg Thickness | 4.0mil / 4.0mil |
| Max Aspect Ratio | 10 : 1 |
| Panel Size | 0.2mm ~ 5.0mm |
| Panel Size (mm) | 635 * 1500mm |
| Layers | 400 |
| Plated Thickness | +/- 3mil |
| Blind / Buried Via (ABV) | Yes |
| Via Fill (Prepreg, Epoxy) | Yes |
| Material | FR-4, FR-4high Tg, Epoxy, Polyimide, etc. |
| Surface Finish | HASL, OSP, ENIG, HAL-LF, Immersion silver, Immersion gold, etc. |

SMT

| | |
|-----------------|--------------------------------|
| PCB Material | FR-4, CEM-1, CEM-3, Epoxy, FPC |
| PCB Size | 510x1500mm |
| PCB Shape | 50x50mm |
| PCB Thickness | 0.5mm-4.5mm |
| Panel Size | 0.5-4mm |
| Panel Size (mm) | 0201 |
| Panel Size (mm) | 0603 |
| Panel Size (mm) | 15mm |
| Panel Size (mm) | 0.3mm |
| Panel BGA | 0.4mm |
| Panel Thickness | +/- 0.03mm |



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 |



1. O-Leading 0000 0000 000000?

0000 0000 0000 0000 00 000000.

1.1 000000 ISO 9001 : 2008 0000 00 000000 000000.

1.2 00 000000 0000 00000000 000000 00

1.3 0000 0000 00 0 00. 0 : 0000 0000, X- 0000 00, AOI (0000 0000 0000) 0 ICT (0000 0 0000).

1.4 00 00 00 000000 00 00 00 00 0

1.5. 000000 00 00 0 00

2. O-Leading 0000 00 000000 000000?

0000 10 0 0000 0000 (0 : 0000, 0000 0000) 0000 0 0, 0 0 0000 00 000000. 0000 00 000000 0000 0000 31 % 00000000. 0000 000000 0 00000000.

0000 O-Leading 0000 000000 00000000. 0000 0000 0000, 0000 0000 0 0000 0000 0000 0000 0000 000000 000000. 0000 0000 0000 0000 0 0000 000000 00 000000 000000.

0000 000000 00 00000000 000000. 0000 0000 0000 0000 0000 0000 0 0 0000 0000 00000000 0000 0000 0 000000.

3. O-Leading 00 0000 0000 00 0 0 000000?

000000 FR4, 0 TG 0 0000 0000 0000, Rogers, Arlon, Telfon, 000000 / 0000 0000 0000, PI 0

4. PCB 与 PCBA 的差别是什么?

- 4.1 什么是 BOM (Bill of Materials) : 物料清单, 物料表
- 4.2 PCB Gerber 文件.
- 4.3 PCB 与 PCBA 的差别.
- 4.4 什么是 PCB.
- 4.5 什么是 PCBA.

5. PCB 的制造流程是什么?

设计 → 材料 → 钻孔 → 电镀 → AOI → 阻焊 → PTH → 成型 → 表面处理 → 检测 → 包装

6. HDI 是什么?

HDI 高密度互连板 : 多层板, VCP, LDI. 材料: 环氧树脂, 铜箔, 铜粉, 铜浆, 铜球, 铜膏, 铜粉, 铜浆, 铜球, 铜膏, 铜粉, 铜浆, 铜球, 铜膏. 设备: Mitsubishi, Hitachi, LDI Screen (丝网), Hitachi 曝光机.

7. O- 是什么意思?

O-the ENIG, OSP, LF-HASL, 电镀 (铜 / 镍), 电镀, 铜球, 铜浆, 铜粉, 铜浆, 铜球, 铜膏, 铜粉, 铜浆, 铜球, 铜膏. HDI 的 OSP, ENIG, OSP + ENIG, BGA PAD 间距 0.3mm 的 OSP OSP + ENIG.

8. FPC 是什么? O-Leading SMT 是什么?

O-Leading 间距 8mm FPC 的间距. 尺寸: 2000mm * 240mm. 特性: "Flex Capability" 柔性. SMT 表面贴装技术.

9. PCB 的测试方法是什么?

- 外观;
- 尺寸;
- 重量;
- 电阻;
- PCB 测试;
- 电性能;
- 可靠性测试.

10. PCB, PWB 与 FPC 的差别是什么?

PCB 刚性板. PWB Printed Wire Board 印刷电路板. FPC Flexible Printed Board 柔性电路板.

11. PCB 的耐热性是什么?

PCB 的耐热性: Tg (玻璃化转变温度), CTE (热膨胀系数). 材料: 环氧树脂 PCB 的 50 到 250 °C. 测试: 热冲击, 热老化. PCB 的耐热性: 50 到 250 °C. 测试: 热冲击, 热老化. PCB 的耐热性: 50 到 250 °C. 测试: 热冲击, 热老化.

12. O-leading rigid-flex PCB 是什么?

O-leading rigid-flex PCB 刚性柔性 PCB. 特性: 刚性板与柔性板的结合. 应用: 汽车电子, 医疗设备, 工业控制. 优点: 体积小, 重量轻, 可靠性高. 缺点: 成本高, 制造复杂.

