

O-leading 專業 製造 各種 PCB

O-Leading 專業 PCB 製造, PCB 設計及 PCB 組裝 (PCBA) 服務 EMS 客戶。我們提供各種 PCB 產品, 包括 HDI PCB, 剛性 PCB, Rigid-Flexible PCB 等。我們擁有先進的生產設備和技術, 為客戶提供高品質、高可靠性的 PCB 產品。 (請[fast 查詢 PCB 產品詳情](#))

我們提供各種 PCB 產品, 包括 HDI PCB, 剛性 PCB, Rigid-Flexible PCB 等。我們擁有先進的生產設備和技術, 為客戶提供高品質、高可靠性的 PCB 產品。 O 型產品詳情。

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請[fast 查詢 PCB 產品詳情](#) : [PCB 產品詳情](#)



The advertisement banner for O-Leading features a dark blue background with a futuristic, space-themed aesthetic. At the top, a hand holds a green rigid-flexible circuit board, with a red laser line pointing to a specific component. The text "WE ALWAYS PROVIDE YOU BEST RIGID-FLEXIBLE CIRCUIT" is displayed in white. Below this, the O-Leading logo is shown with the tagline "To Be Reliable, To Be Valuable". The text "WE ALWAYS PROVIDE YOU BEST HIGH DENSITY INTERCONNECT PCB" is displayed in white. To the right, a green high-density interconnect PCB is shown. At the bottom, a row of various electronic components, including connectors and chips, is displayed.

WE ALWAYS PROVIDE YOU
BEST RIGID-FLEXIBLE CIRCUIT

O-LEADING
To Be Reliable, To Be Valuable

WE ALWAYS PROVIDE YOU
BEST HIGH DENSITY INTERCONNECT PCB



Keep **LEARNING**

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

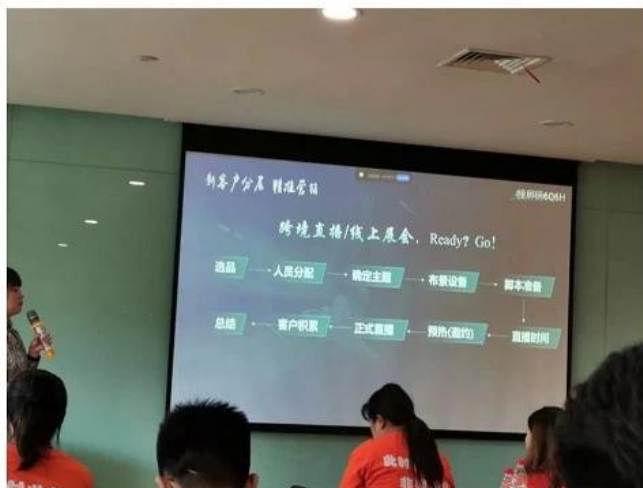
It's wonderful to have a beginner's mind

WE HAVE A **DREAM**

Keep **RUNNING**

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

---Bacon

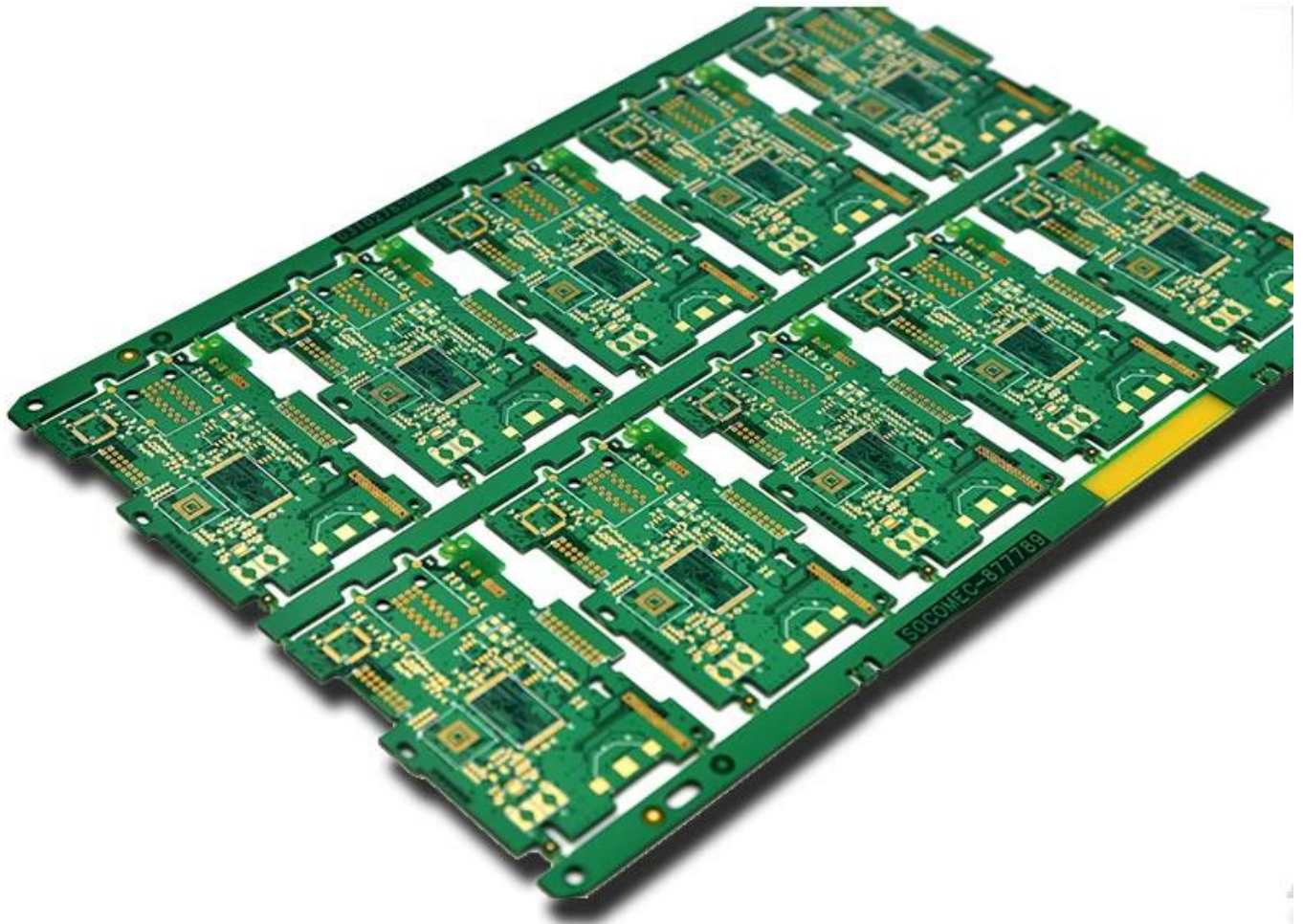


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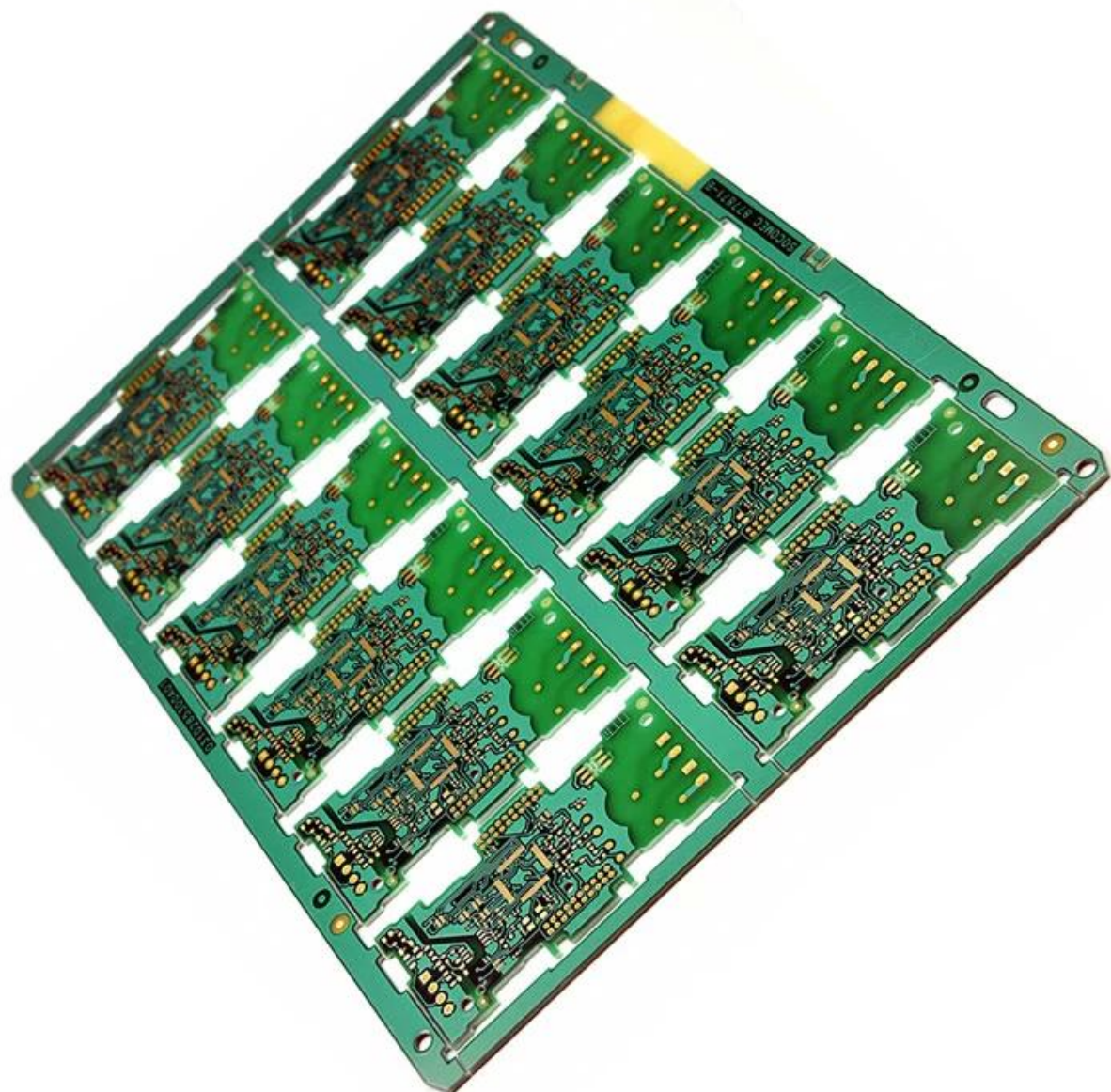
pcb 0.2 6mm
oem pcb, pcb 0.2 6mm
pcb 0.2 6mm

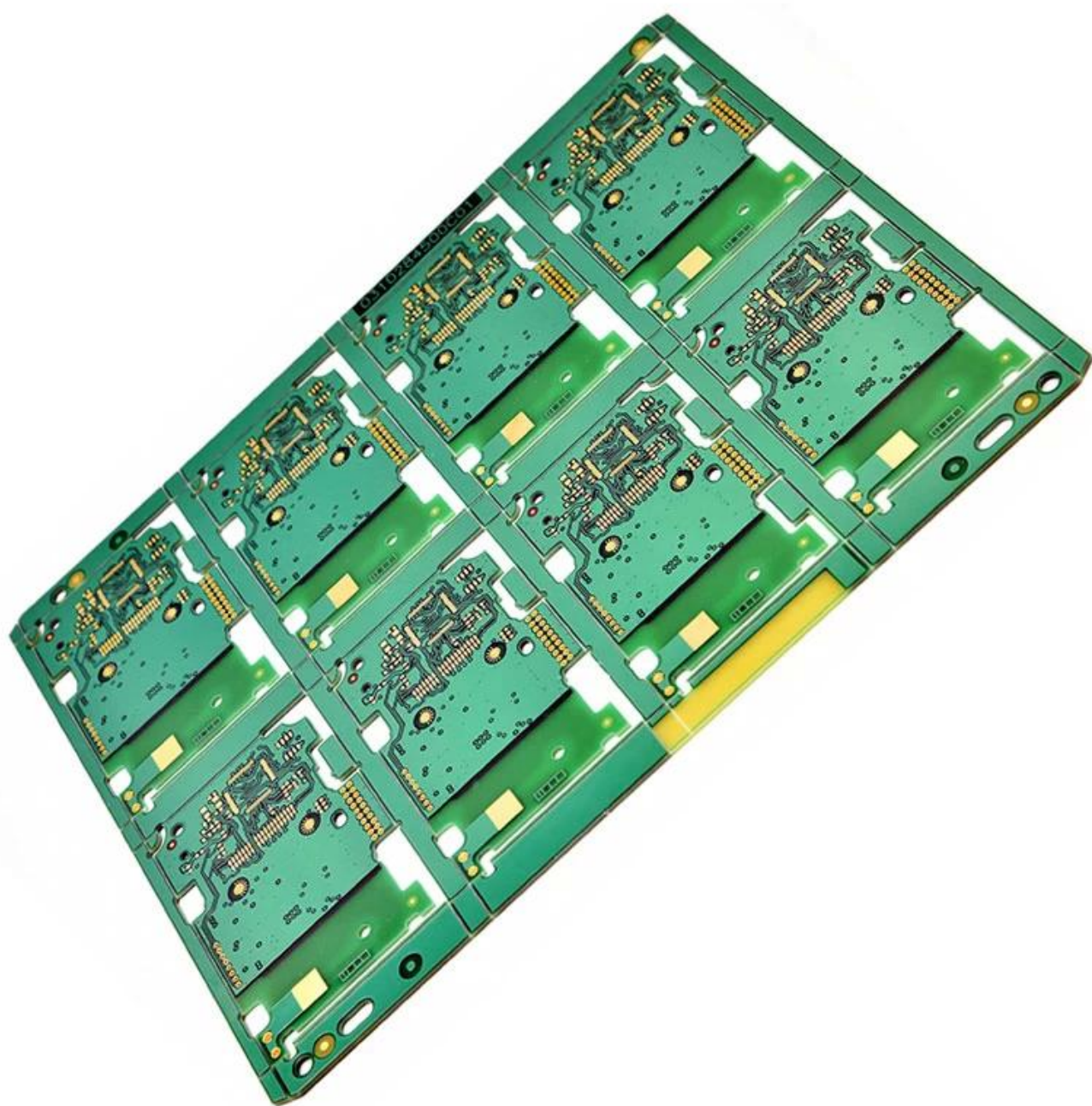
TOP QUALITY PCBA

O-LEADING
To Be Reliable, To Be Valuable



MAKE YOUR IDEA COME **TRUE**





TOP QUALITY PCBA

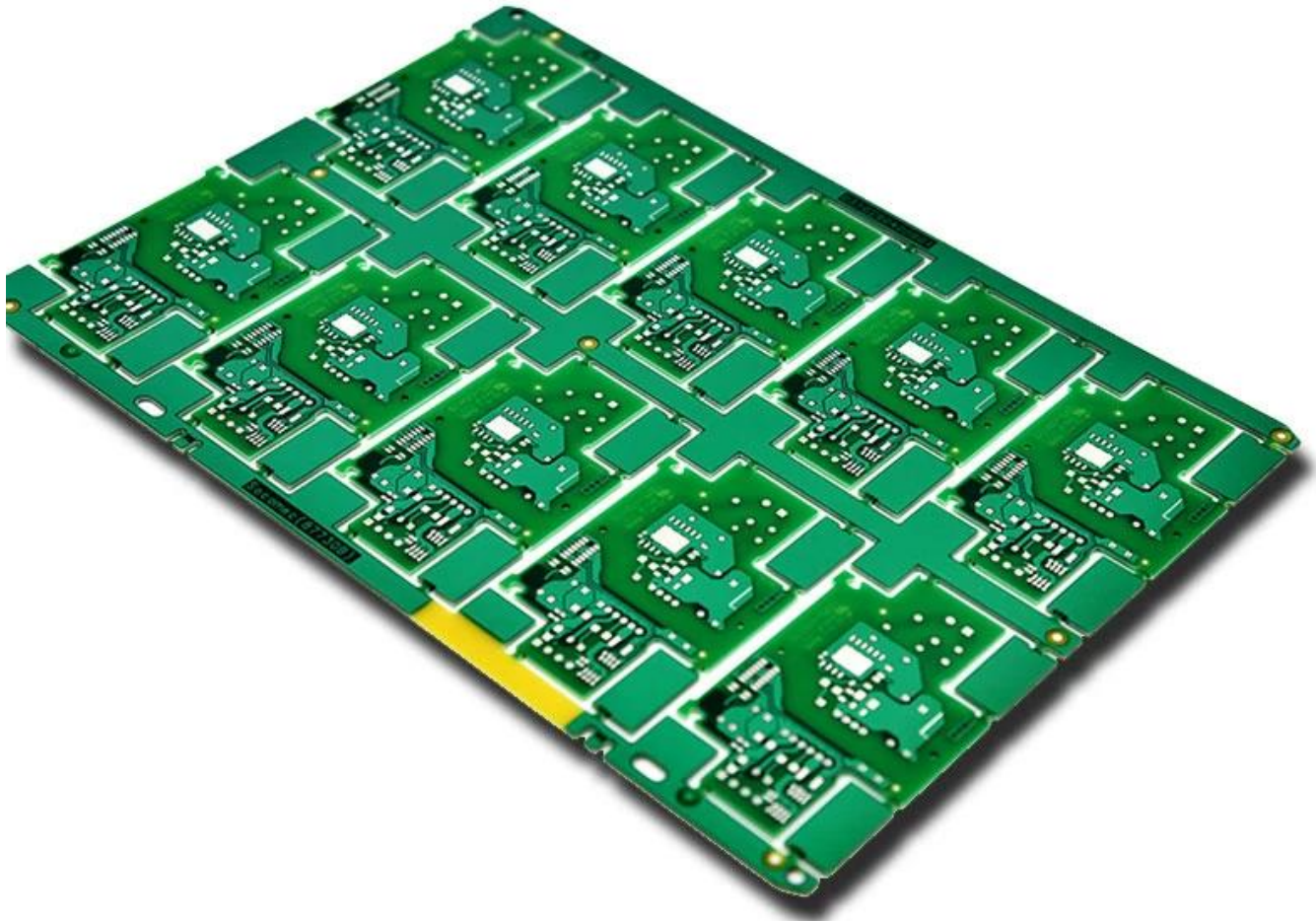
O-LEADING
To Be Reliable, To Be Valuable



MAKE YOUR IDEA COME TRUE

TOP QUALITY PCBA

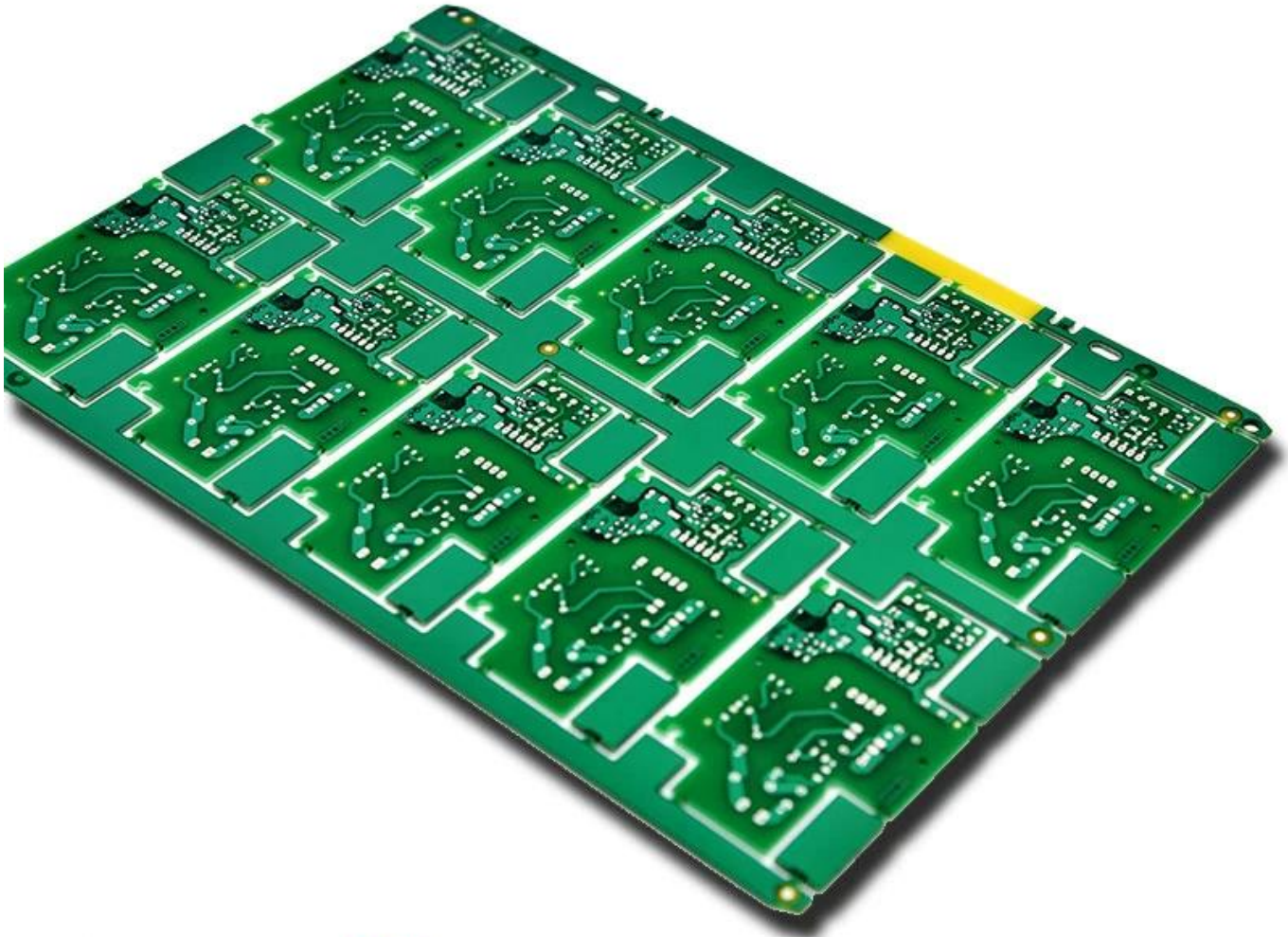
O-LEADING
To Be Reliable, To Be Valuable



MAKE YOUR IDEA COME **TRUE**

TOP QUALITY PCBA

O-LEADING
To Be Reliable, To Be Valuable



MAKE YOUR IDEA COME **TRUE**

Market Share

CONSUMER ELECTRONICS

AUTOMOTIVE ELECTRONICS

INDUSTRIAL CONTROL

INTELLECTUALIZED HOUSEHOLD CONTROL

OTHER



30%
CONSUMER ELECTRONICS



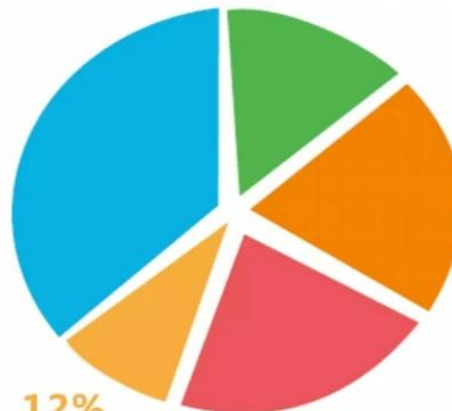
18%
INTELLECTUALIZED HOUSEHOLD CONTROL

20%
AUTOMOTIVE ELECTRONICS

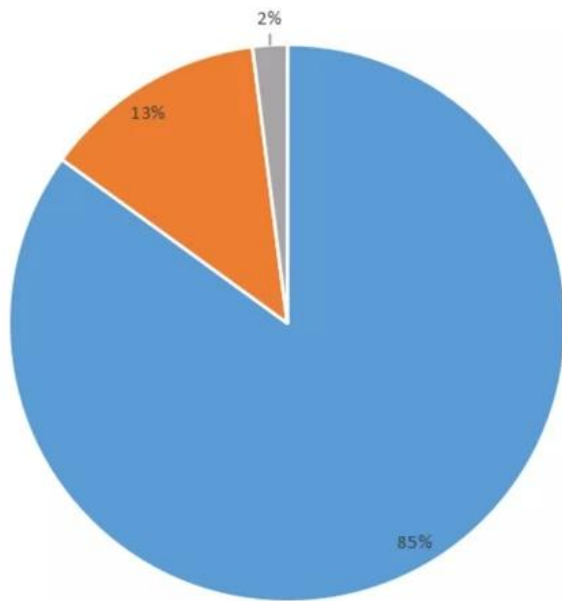


12%
OTHER

20%
INDUSTRIAL CONTROL



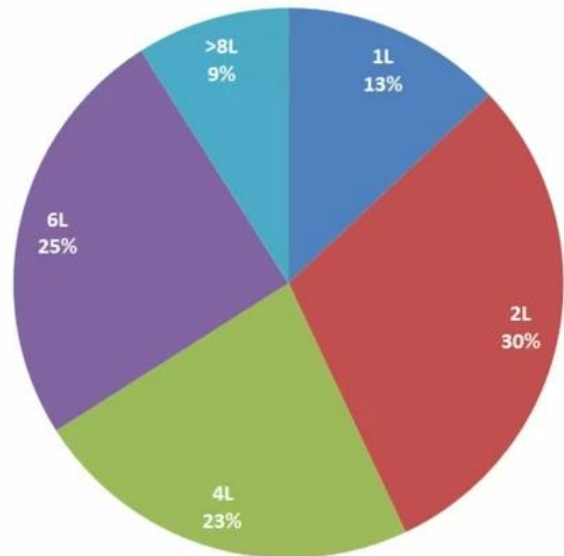
Product types



■ FR-4 PCB ■ MC PCB ■ rigid-flexible PCB

Product layers

■ 1L ■ 2L ■ 4L ■ 6L ■ >8L



Production Process

18 years experience in one-stop PCB and PCBA, we can make your idea come true,





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

O-LEADING
To be Reliable, To be Valuable

Hardware Dispenser Application Not

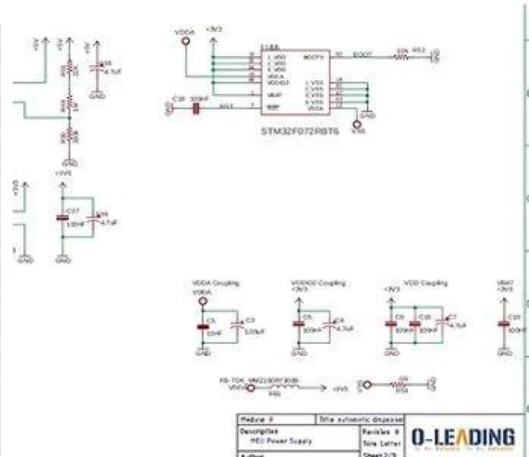
Automatic Dispenser Application Not

Voltage Table

Volt Pin Number	Description
VDD	Battery Voltage
+3V3	+3.3V
+5V	+5V
USB +5V	USB 5V input
+5V2	Isolated +5V
+12V	12V DC Drive

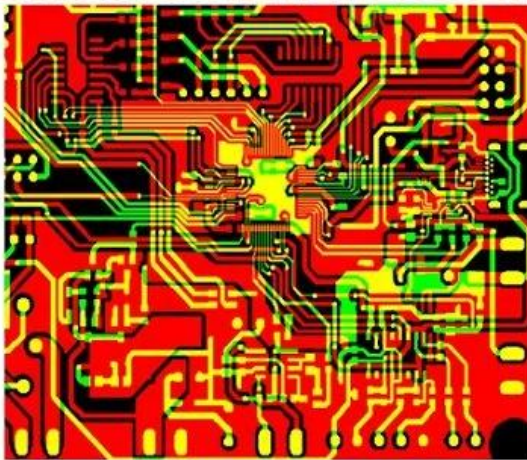
STM32F072 Pinout table

Wire Name	Description	DIO	Mode	Note
SHDN_TOF	Shutdown Time of flight sensor	Output	Logic '1' 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		

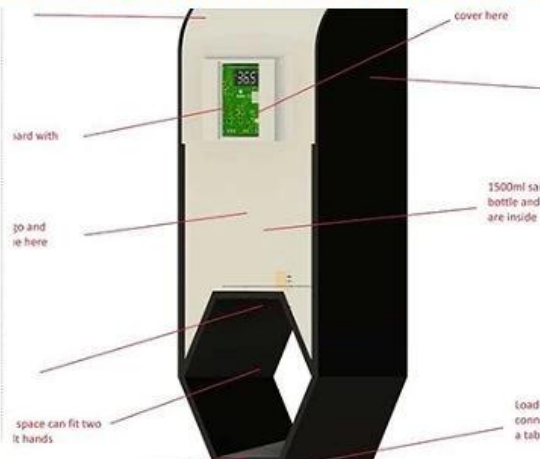


HARDWARE schematics

PCB PRODUCTION COMPONENTS SOURCING



Qty	Value	Device	Parts	Description
4	AK500/1	AK500/2	X1, X2	CONNECTOR
1	AK500/1	AK500/3	X7	CONNECTOR
1	124114	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



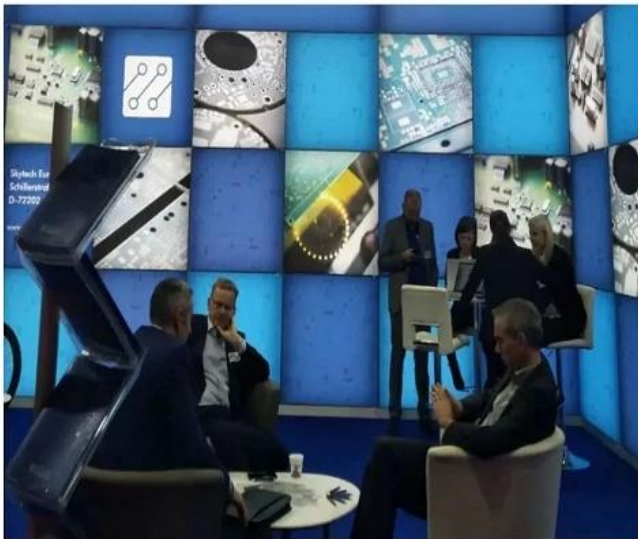
PCB Assembly MECHANICAL DESIGN

To be *RELIABLE*

Quality first ,
Customer supreme ,
Scientifically management ,
Striving for famous brand



THE CUSTOMER IS KING



To be *VALUABLE*

Science and technology keeps head ,
Put people first ,
Be precise and practical ,
Contribute sincerely

Skyworth 创维

HAT 和而泰
HAT 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: 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: 49024962001024670

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: 40938623501024670

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](#)

订单编号: 40938623501024670

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



Professional Printed Circuit Board Manufacturer...
★★★★★
Very high quality PCB products, O-leading is the best PCB supplier that we have ever worked with.

订单编号: 44068794501024670

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: 4090347501024670

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 Manufacturer...
★★★★★
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!



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)



Raspberry pi 0 Zero Raspberry Pi Zero Pi W ver...
★★★★★
Fantastic products!!





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

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 board...
★★★★★
Good products



Fast delivery low cost pcb fabrication O-leadin...
★★★★★
Good supplier



Lidar IR Sensor board pcba(H08R6x)
★★★★★
perfect product



Customized PCBA design PCB design
★★★★★
perfect



Audio Speaker and Headphone Jack (H07R3x)
★★★★★
High quality, good



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.





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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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, 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.

Test item(s)	Limit	Unit	MDL	Q/Z
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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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					
	Min	Min			Area	Solder	Oper	Flame	Meets	C	
	mm(in)	Edge mm(in)			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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PCB 規格

PCB 種類	
銅箔厚	1 ㎛ -32 ㎛
銅箔重量	1 / 3oz-12oz
銅箔厚 / 銅箔重量	3.0mil / 3.0mil
銅箔厚 / 銅箔重量	4.0mil / 4.0mil
Max Aspect Ratio	10 : 1
銅箔厚	0.2mm ~ 5.0mm
銅箔厚 (mm)	635 * 1500mm
銅箔厚 (mm)	400 ㎛
Plated 銅箔	+/- 3mil
Blind / Buried Via (API 銅箔)	銅箔
Via Fill (銅箔, 銅箔)	銅箔
銅箔	FR-4, FR-4high Tg, 銅箔 銅箔, 銅箔, 銅箔銅箔,Polyimide, 銅箔 銅箔
銅箔	HASL, OSP, ENIG, HAL-LF, Immersion silver,Immersion 銅箔, 銅箔, 銅箔 銅箔

SMT 規格

PCB 種類	FR-4, CEM-1, CEM-3, 銅箔銅箔 銅箔, FPC
銅箔 PCB 銅箔	510x1500mm
銅箔 PCB 銅箔	50x50mm
PCB 銅箔	0.5mm ~ 4.5mm
銅箔 銅箔	0.5-4mm
銅箔 銅箔 銅箔 銅箔	0201
銅箔 銅箔 銅箔 銅箔	0603 銅箔
銅箔 銅箔 銅箔 銅箔	15mm
銅箔 銅箔 銅箔	0.3mm
銅箔 BGA 銅箔 銅箔	0.4mm
銅箔 銅箔	+/- 0.03mm

PCB 規格

Shipping service



4. PCB 與 PCBA 有何不同？

- 4.1 需 確認 BOM (Bill of Materials) : 需 需 需, 需 需 需 需 需 需.
- 4.2 PCB Gerber 需.
- 4.3 PCB 需 需 需 PCBA 需 需.
- 4.4 需 需.
- 4.5 需 需 需 需 需 需 需 需.

5. 需 PCB 需 需 需 需 需 需?

需 需 → 需 需 需 → 需 需 → 需 AOI → 需 需 → 需 需 需 → 需 → PTH → 需 需 → 需 需 需 → 需 需 → 需 需 → 需 AOI → 需 需 → 需 需 → 需 需 → 需 → E / T → 需 需.

6. HDI 需 需 需 需 需 需?

需 需 需 需 需 : 需 需 需, 需 需, VCP 需, 需 需, LDI 需 需 需 需 需 需 需 需 需 Mitsubishi 需 Hitachi需, LDI 需 Screen需 需 需. (需), 需 需 需 需 需 需 需 需 需 需 需 需 需 需.

7. 需 需 需 需 需 O- 需 需 需 需?

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

8. FPC 需 需 需 需 需 O-Leading 需 SMT 需 需 需 需?

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

9. PCB 需 需 需 需 需 需 需 需?

需;
需 需;
需 需;
需 需 需;
PCB 需;
需 需;
需 需 需.

10. PCB, PWB 與 FPC 需 需 需 需 需 需?

PCB 需 需 需 需.
PWB 需 Printed Wire Board 需 需 需 需 需 需.
FPC 需 Flexible Printed Board 需 需.

11. PCB 需 需 需 需 需 需 需 需?

PCB 需 需 需 需 需 需.
需 Tg 需 需 需 需.
需 CTE 需 需 需 需.
需 需 需 : 需 PCB 需 50 需 250 °C 需 需 需.
需 需; 需 需 需 PCB 需 需 / 需 需 需 需.
需 PCB 需 需 需 需 需 需; 需 需 需 需 需 需 需 需 需.
需.

12. O-leading rigid-flex PCB 需 需 需 需?

O-leading rigid-flex PCB 需 FPC 需 PCB 需 需 需 需 需 需 需 需. 需 需 需 需 需 需 需 需 需 需 需 需 需 需.

13. 需 需 需 需 需 需?

需 需 需 POLAR INSTRUMENTS 需 需 需, SI6000 需 需 CITS 500s 需 需 需. 需 需 需 需.

□ □□□ □□ □□ □□□ □□ □ □□□□ □□ □□ □□□□ □□□□□.