

O-leading□□□□

O-Leading PCB PCB PCB PCBA EMS
HDI PCB PCB PCB PCB

[illegible]

PCBAのO-leading PCB

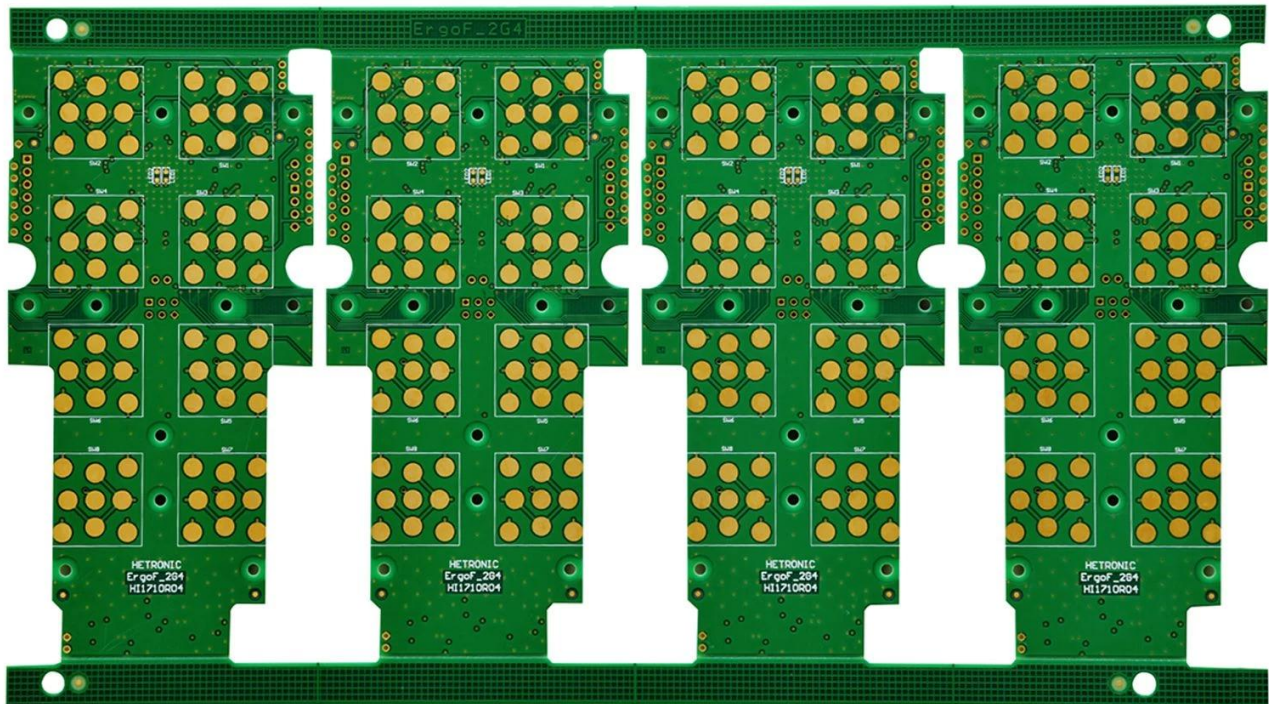
□□□□□□□□□□□□□□□□□□□□**OEM**□□**Multilayer + PCB**□□□□□□□□□□**PCB**□□

The image is a composite of two promotional banners for O-LEADING. The top banner features a dark blue background with a glowing network of white lines. On the left, the O-LEADING logo is displayed in blue and yellow, with the tagline 'To Be Reliable, To Be Valuable' below it. A white rounded rectangle contains the text 'WE ALWAYS PROVIDE YOU'. Below this, another white rounded rectangle reads 'BEST HIGH DENSITY INTERCONNECT PCB'. To the right, a large green PCB with multiple circuit modules is shown. Below the PCB, a row of seven different types of gold-plated connectors is displayed. The bottom banner has a similar dark blue background but with a space theme, including a red planet on the left, a gas giant on the right, and a hand holding a green rigid-flexible circuit board in the center. The O-LEADING logo and tagline are repeated on the left. A white rounded rectangle contains 'WE ALWAYS PROVIDE YOU', and another below it reads 'BEST RIGID-FLEXIBLE CIRCUIT'. Two white arrows point from the text to the circuit board.

00000

TOP QUALITY PCB

O-LEADING
To Be Reliable, To Be Valuable

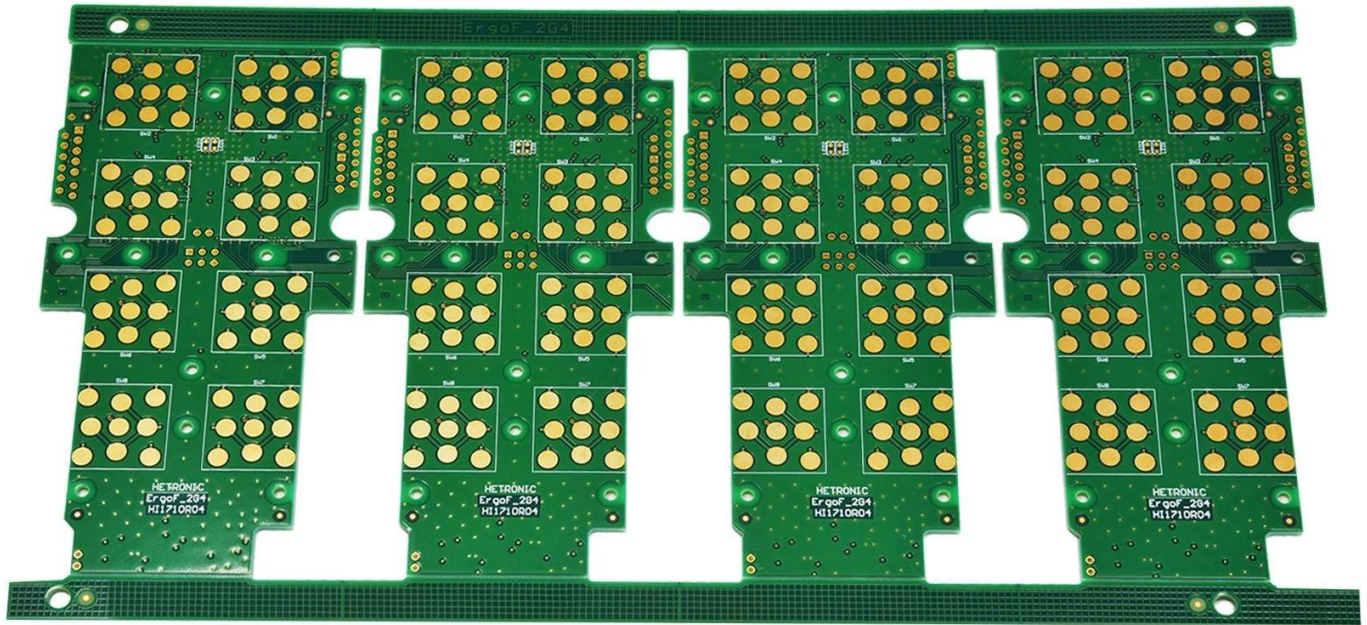


4L PCB WITH **HARD GOLD PLATING AU:20U"**

MAKE YOUR IDEA COME **TRUE**

TOP QUALITY PCB

O-LEADING
To Be Reliable, To Be Valuable

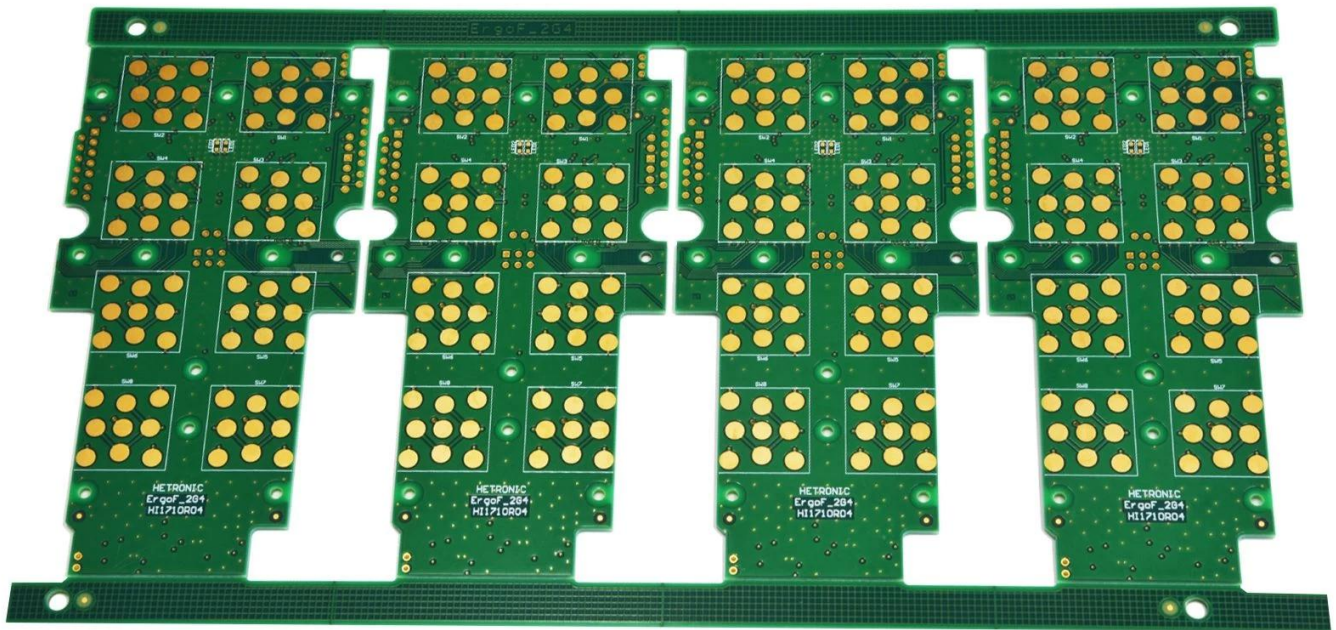


4L PCB WITH **HARD GOLD PLATING AU:20U"**

MAKE YOUR IDEA COME **TRUE**

TOP QUALITY PCB

O-LEADING
To Be Reliable, To Be Valuable

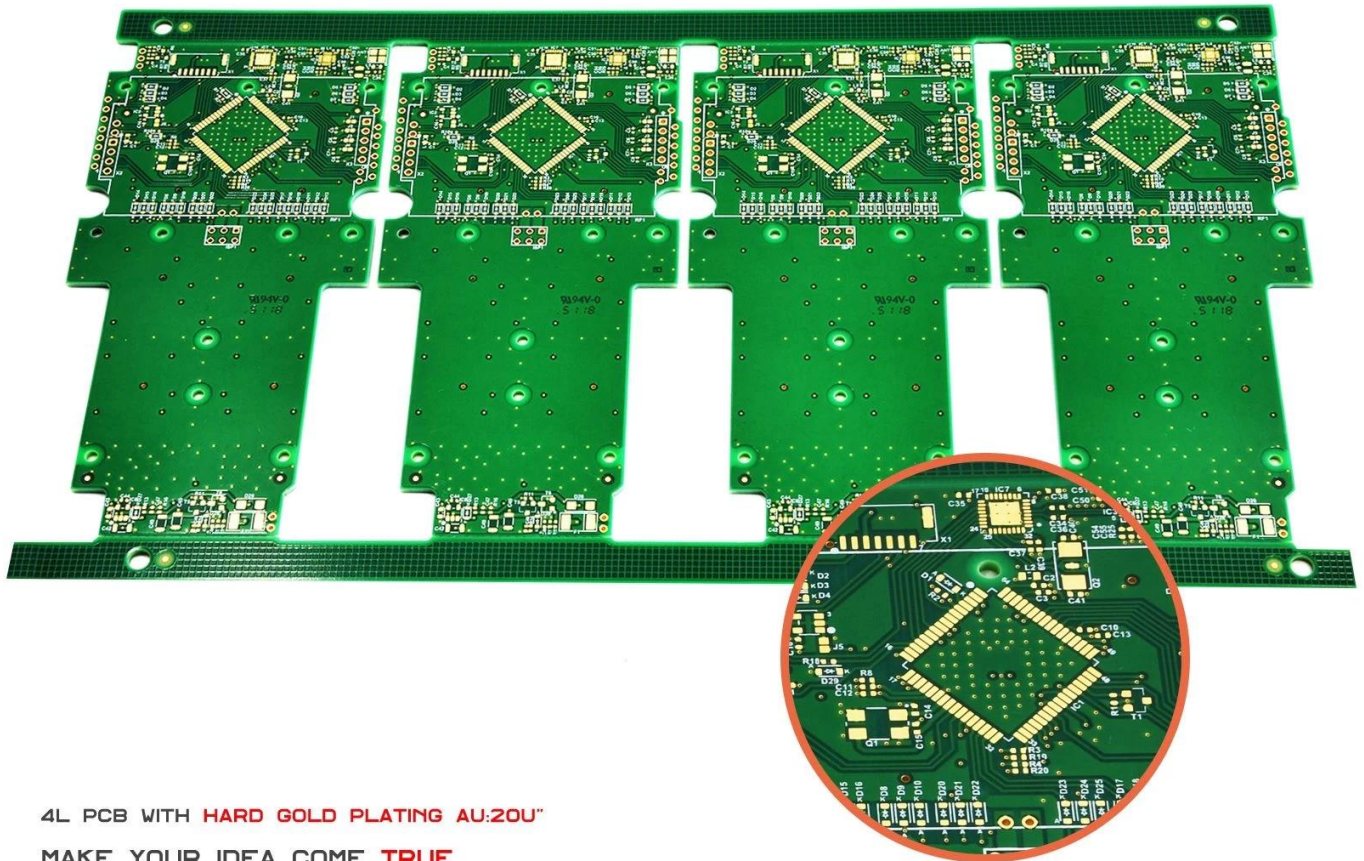


4L PCB WITH **HARD GOLD PLATING AU:20U"**

MAKE YOUR IDEA COME **TRUE**

TOP QUALITY PCB

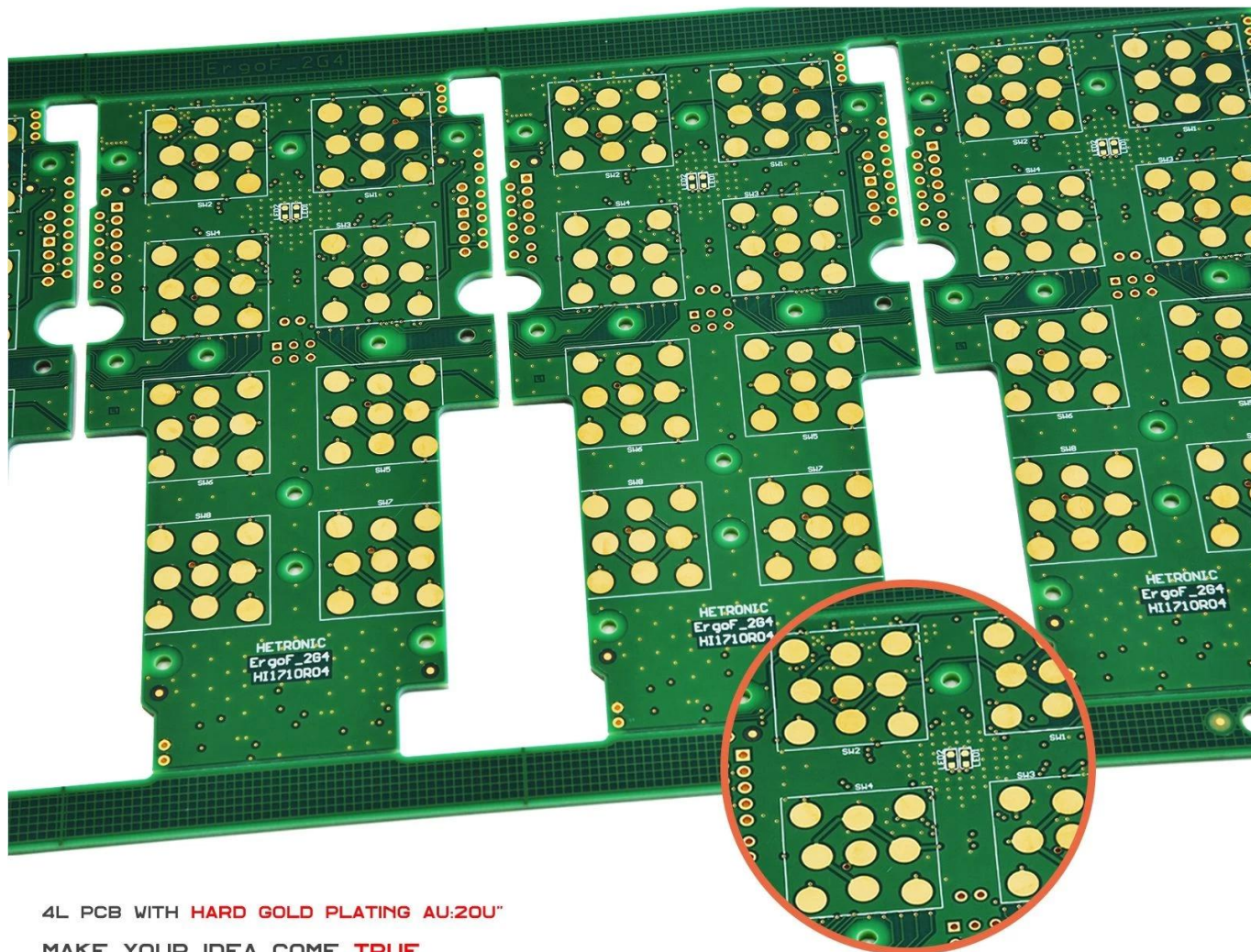
O-LEADING
To Be Reliable, To Be Valuable



4L PCB WITH **HARD GOLD PLATING AU:20U"**
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TOP QUALITY PCB

O-LEADING
To Be Reliable, To Be Valuable

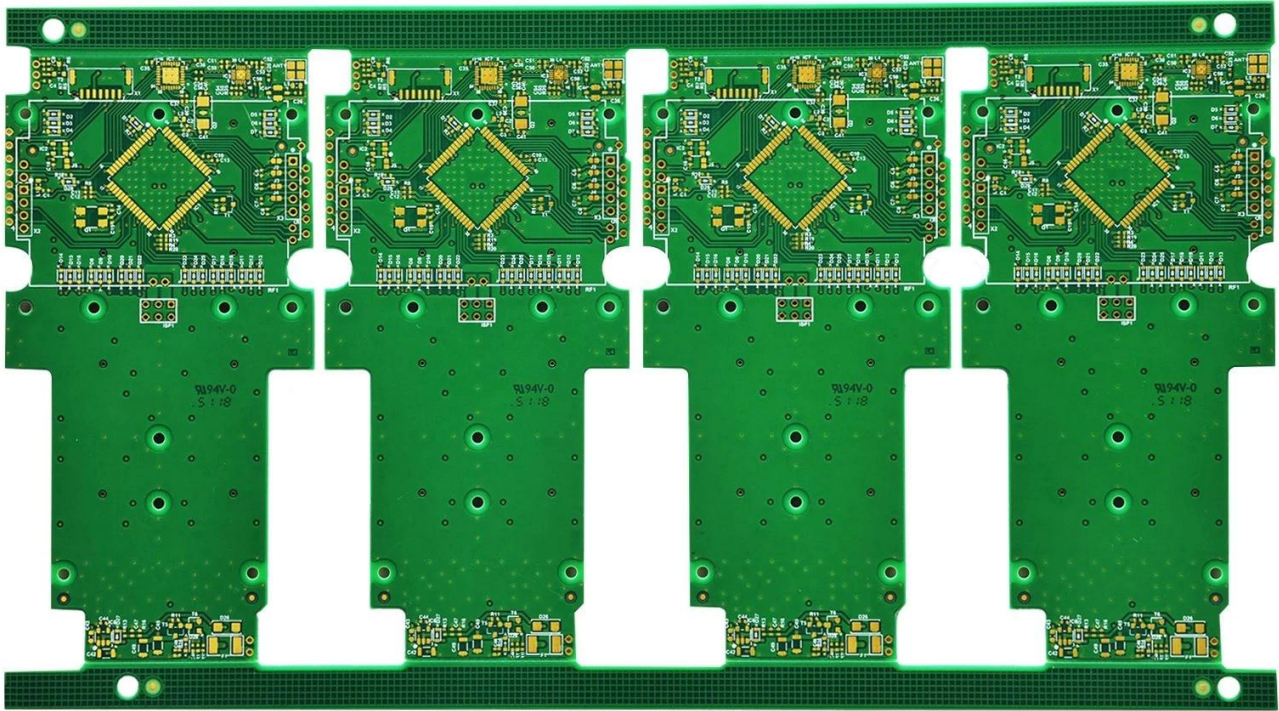


4L PCB WITH **HARD GOLD PLATING AU:20U"**

MAKE YOUR IDEA COME **TRUE**

TOP QUALITY PCB

O-LEADING
To Be Reliable, To Be Valuable



4L PCB WITH **HARD GOLD PLATING AU:20U"**

MAKE YOUR IDEA COME **TRUE**

Market Share

CONSUMER ELECTRONICS

AUTOMOTIVE ELECTRONICS

INDUSTRIAL CONTROL

INTELLECTUALIZED HOUSEHOLD CONTROL

OTHER



30%
CONSUMER ELECTRONICS



12%
OTHER

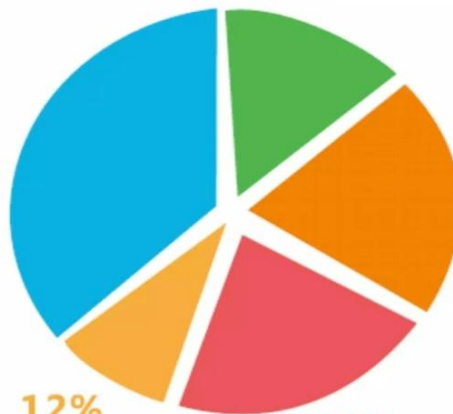


20%
INDUSTRIAL CONTROL

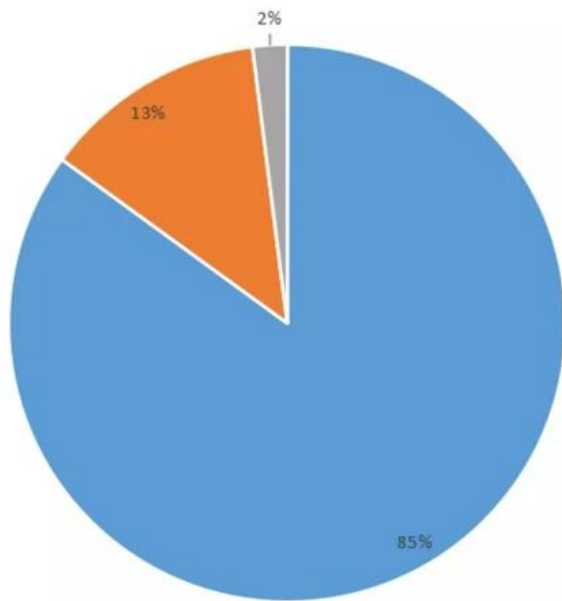


18%
INTELLECTUALIZED HOUSEHOLD CONTROL

20%
AUTOMOTIVE ELECTRONICS



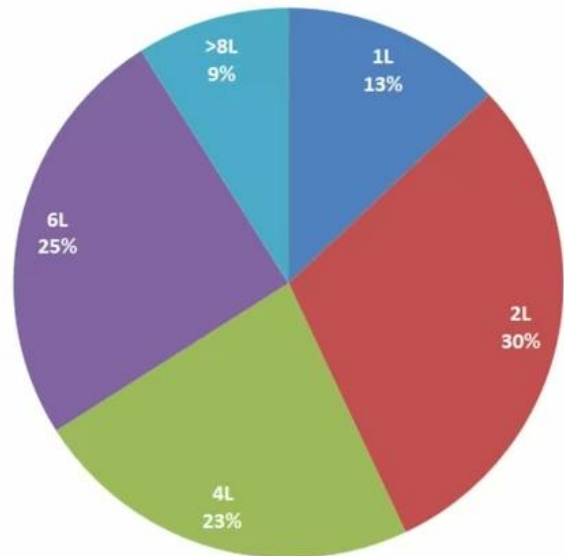
Product types



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

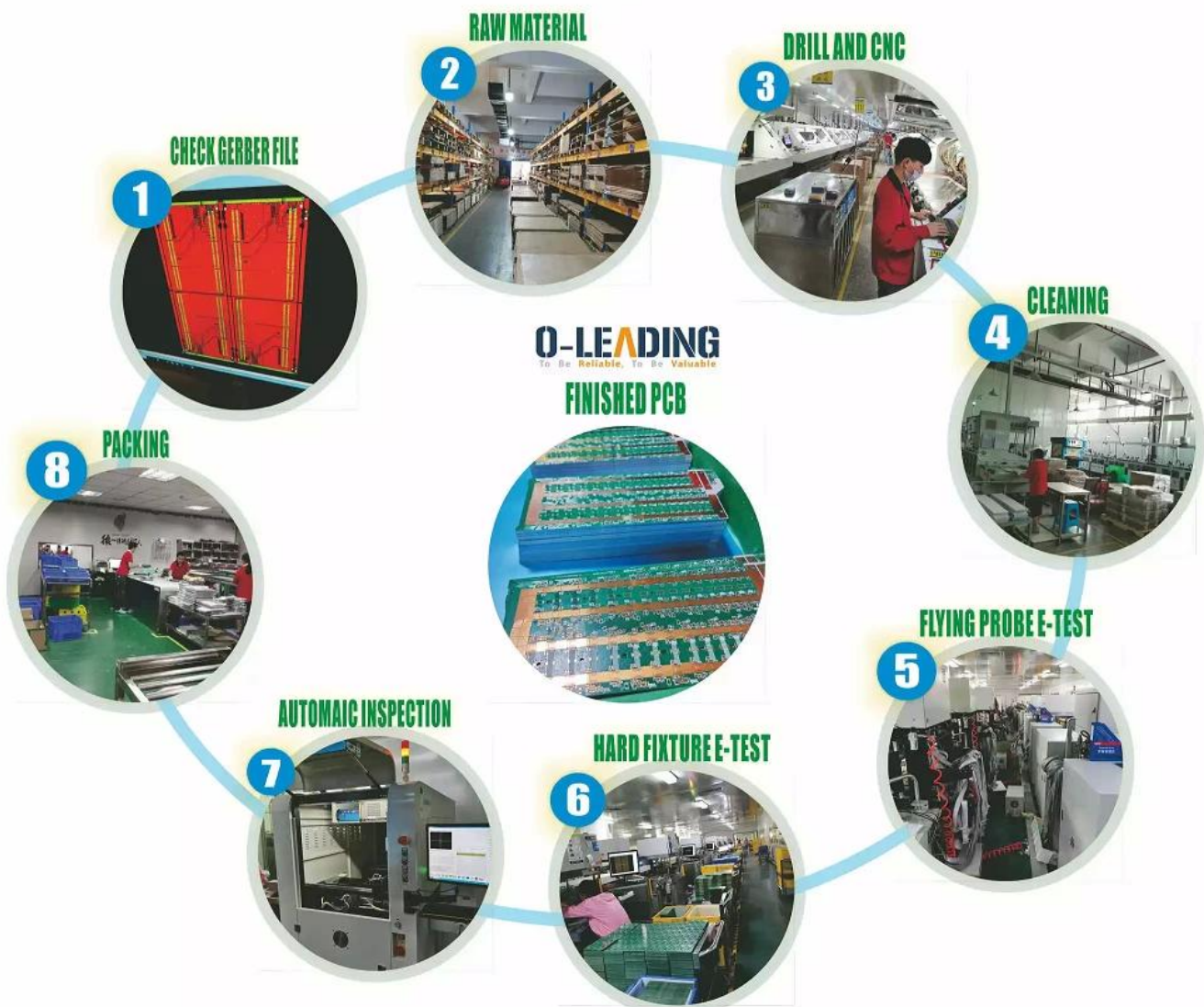
Product layers

■ 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

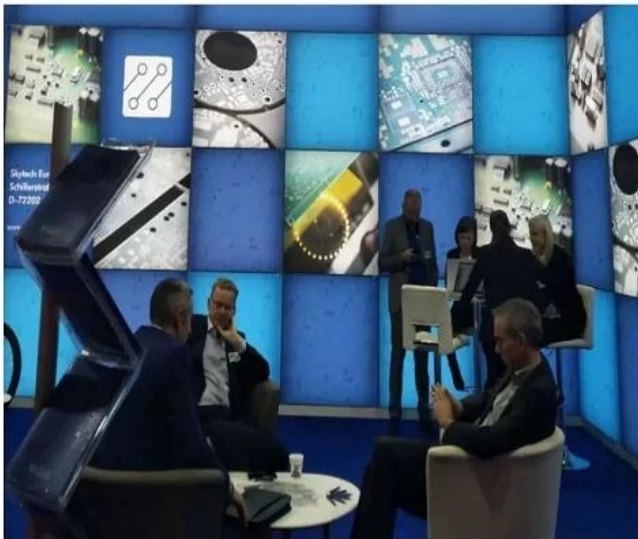


To be *RELIABLE*

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: 49822411001024670

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: 49024962001024670

United States
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.**





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



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中国·深圳·龙岗区坂田南环路43号江田工业园4楼SGS中国总部 邮编: 518129 | (86-755) 25326888 | (86-755) 83106190 | e.sas.china@sgs.com

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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



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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

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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		Meets UL796 Class	C T DSR	C I
	Min	Min			Area	Oper	Flame	Temp			
	mm(in)	mm(in)			Diam	Limits C sec	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.

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PCB

PCB	
Layer	1Layer-32Layer
Weight	1 / 3oz-12oz
Thickness	3.0mil / 3.0mil
Thickness	4.0mil / 4.0mil
Drill	101
Drill	0.2mm5.0mm
Drill	635 * 1500mm
Drill	4mil
Plated	+/- 3mil
Blind / Buried Vias	All
Via Fill	
Material	FR-4FR-4high Tg
Finish	HASLEOSPENIGHAL-LF

SMT	
PCB	FR-4CEM-1CEM-3FPC
PCB	510x1500mm
PCB	50x50mm
PCB	0.5mm4.5mm
Drill	0.54mm
Drill	0201
Drill	0603
Drill	15mm
Drill	0.3mm
DrillBGA	0.4mm
Drill	+/- 0.03mm

PCB

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

- 1.1
- 1.2
- 1.3
- 1.4
- 1.5

2. O-Leading

1023431O-LeadingWin-Win

3. O-Leading

FR4TGPi

4. PCBPCBA

4.1 BOM

4.2 PCB

4.3 PCB PCBA

4.4

4.5

5. PCB

→ → AOI → PTH → → → → AOI → → E / T →

6. HDI

VCP LDI LDI

7. O-

O- ENIG OSP LF-HASL / OSI ENIG OSP + ENIG HDI BGAPAD 0.3 mm OSP OSP + ENIG

8. FPC O-Leading SMT

O-Leading FPC 1 8 2000mm * 240mm SMT

9. PCB

; ; ; ; PCB; ; ;

10. PCB PWB FPC

PCB PWB Printed Wire Board FPC

11. PCB

PCB Tg CTE PCB 250°C 50 ; PCB / PCB

12. O-leading PCB

O-leading PCB FPC PCB

13.

POLAR INSTRUMENTS SI6000 soft CITS 500s