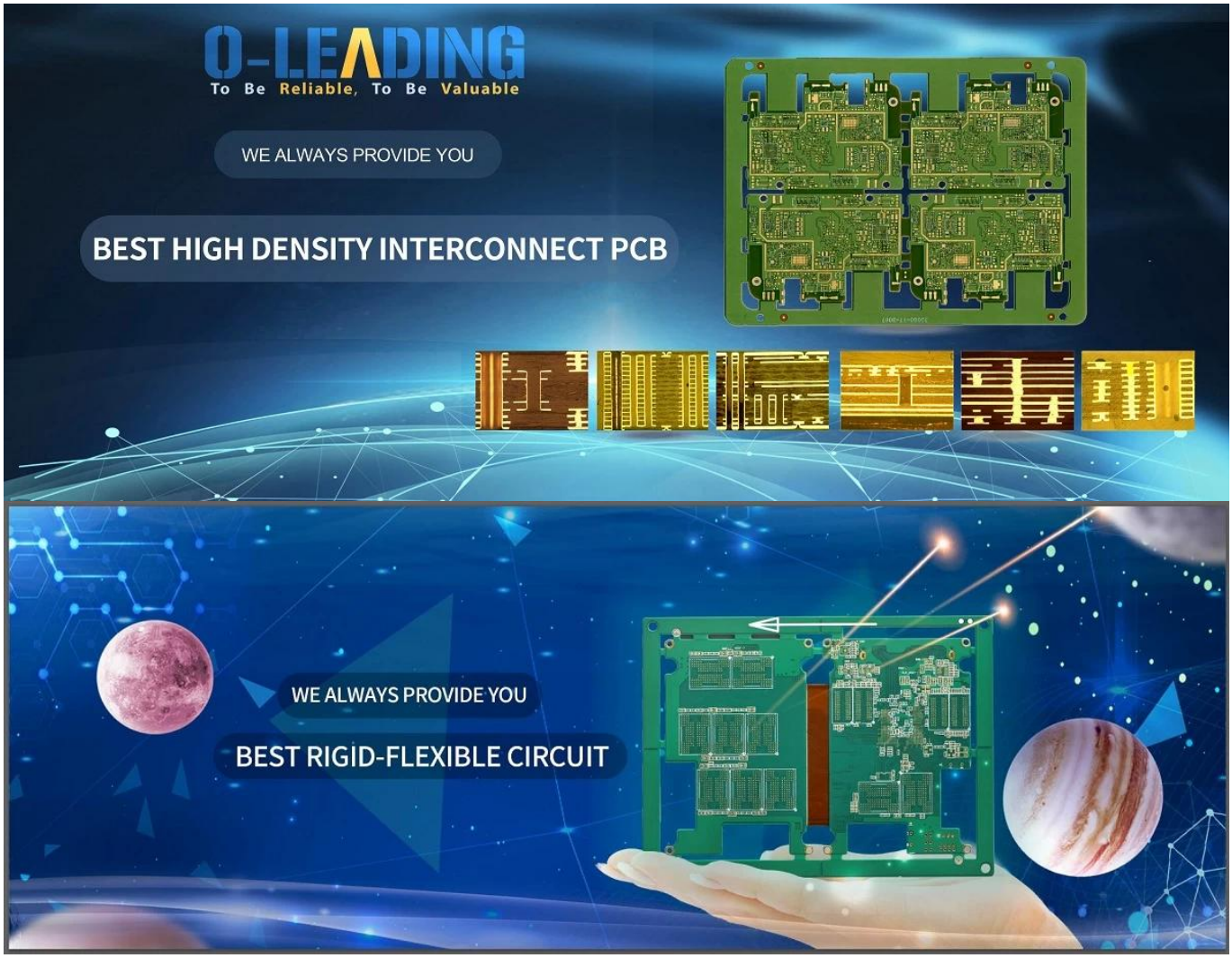
Benvenuti in O-Leader

O-leader si impegna ad essere il tuo partner Solution One Stop nella catena di approvvigionamento EMS, incluso il design PCB, la fabbricazione di PCB e il gruppo PCB, forniamo alcune delle tecnologie PCB più avanzate, tra cui PCB più avanzate, inclusi PCBS HDI, PCB multistrato, PCBS flessibile rigido. Supporto dal prototipo di ruota rapida a media e produzione di massa.

In generale, i nostri clienti globali sono molto impressionati dai nostri servizi: risposta rapida, prezzo competitivo e impegno di qualità. Provare un servizio tecnico più prezioso e una soluzione generale è il modo in cui O-guida in avanti.

Guardando al futuro, O-leader si concentrerà sull'innovazione e lo sviluppo della tecnologia di produzione dell'elettronica come sempre e rendono sempre sforzi persistenti sul servizio PCB e PCBA one-stop per fornire servizi di prima classe e creare più valore per i nostri clienti.

Si prega di fare clic su questi per ulteriori informazioni:**P.Fornitore di PCB flessibile rigido rofessionale per custodia Raspberry PI 4 ABS**



Descrizione del prodotto

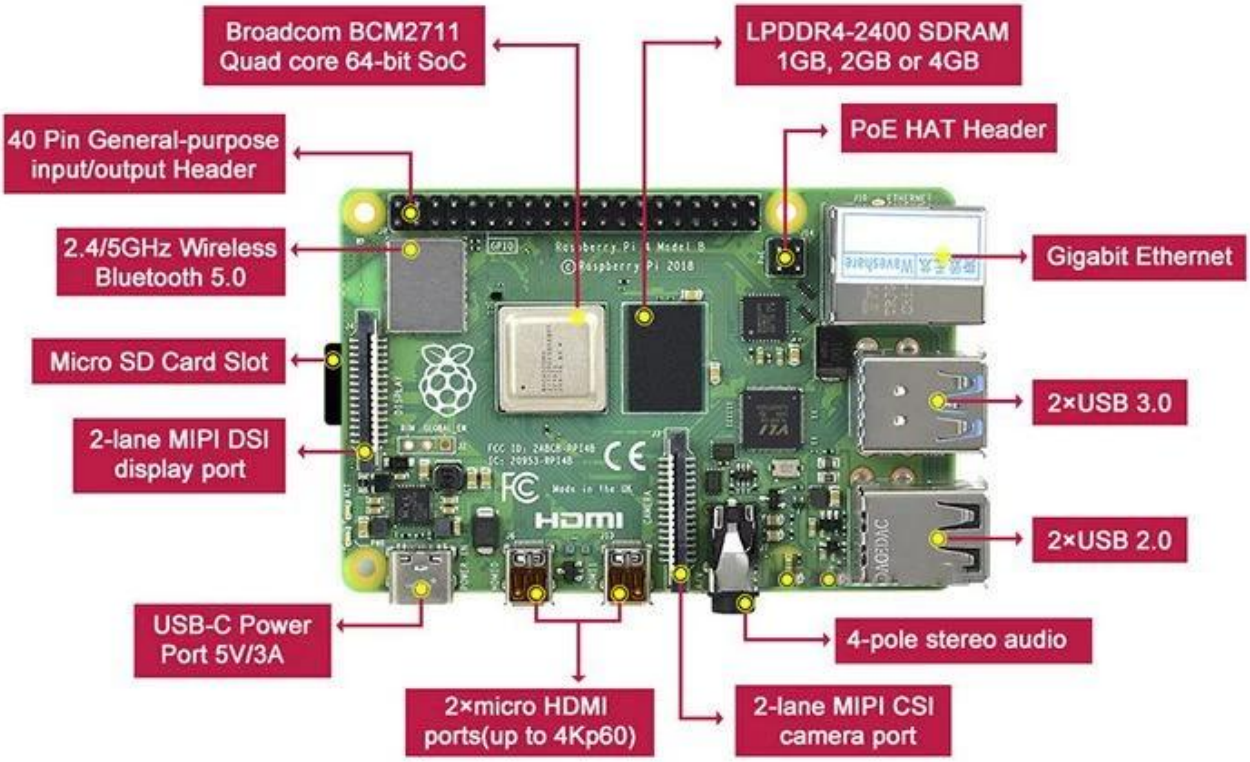
Alphabot2 wireless video smart robot alimentato da Raspberry PI 4 con PI4B-4GB

Industrie applicabili: impianti di produzione, aziende agricole, negozi di bevande, altro
Località showroom: nessuno
Nome del prodotto: robot intelligente
Utilizzo: elettronica OEM
Certificato: Rosh. ISO9001.
Maschera di saldatura: verde. Rosso. Blu. Bianca. Nero giallo
Servizio: un servizio tacchino one stop
Caratteristiche: processore quad-core, LAN wireless a doppia banda, Bluetooth 4.2 / ble

* The Raspberry Pi 4 is optional, up to your choice.

Raspberry Pi 4 Completely Upgraded

More Powerful Processor, Richer Multi-Media Capability, Faster Networking

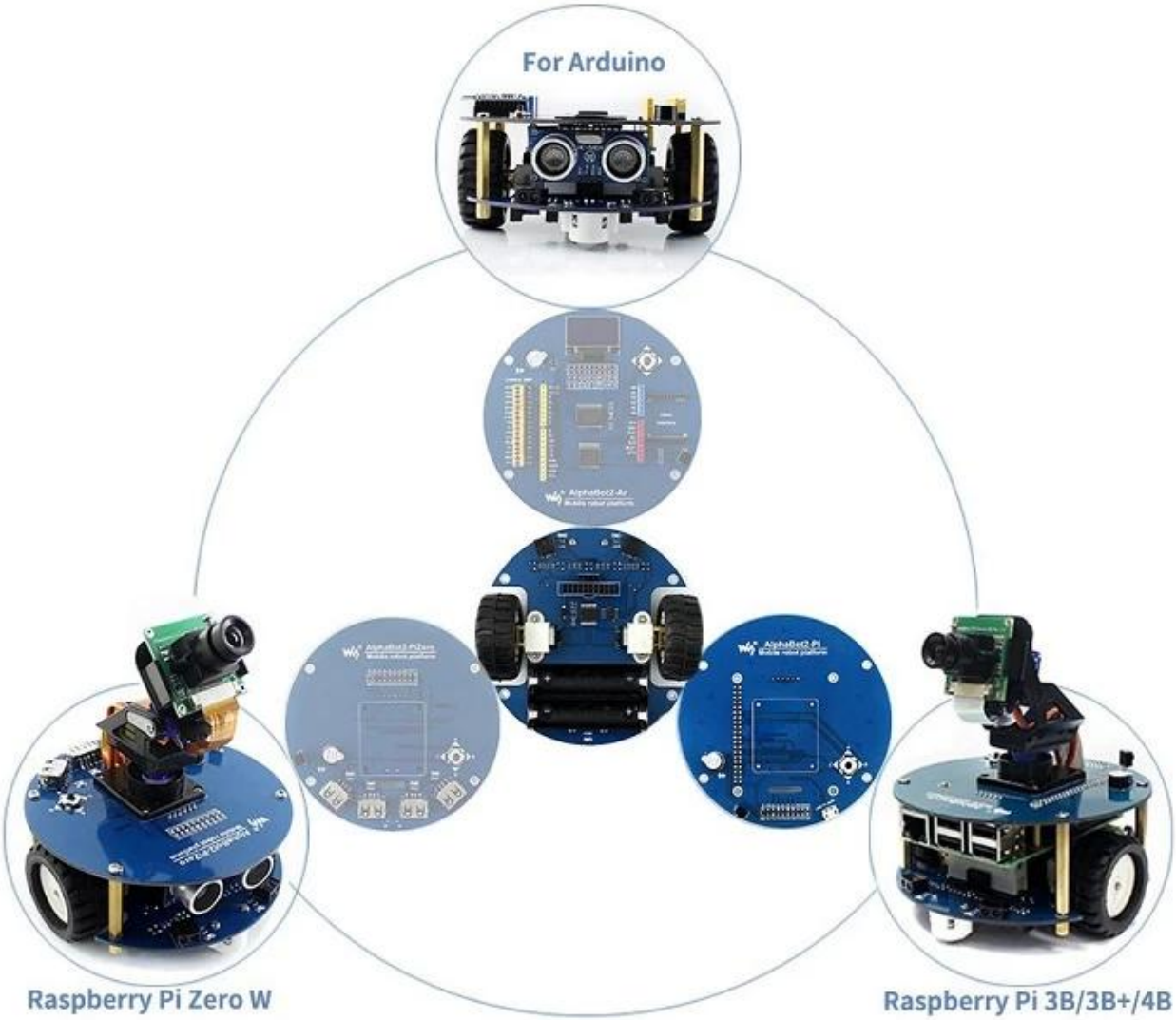


BCM2711B0 64-bit 1.5GHz Quad-core Processor	**Choice Of RAM** 2GB / 4GB / 8GB	**4K Dual HDMI** 4K High Resolution Dual Displays
Faster Networking Gigabit ETH, Bluetooth 5.0, Dual-band WiFi	**New USB3.0** 2xUSB3.0 + 2xUSB2.0	**USB-C Power** Upgraded Power Supply, More Powerful

Versatile AlphaBot2 Chassis

Compatible With Multi Controllers Via Related Adapter Boards (Purchased Separately)

Easily Turn It Into A Pi Zero / Arduino Robot



Modular Design, No More Messy Wiring

Highly Integrated AlphaBot2-Pi Adapter Board:

IR Obstacle Avoidance, 5-Ch Detector Li Tracking, Battery Charging Circuit, High Quality N20 Motor, Rubber Wheels, And Colorful RGB LED

Raspberry Pi 5MP HD Camera, 1080P

The Leading Role For Vision Applications, Like Mjpg-Streamer Video Monitoring, And OpenCV Intelligent Recognition Driving

Full Functionality, Common Examples

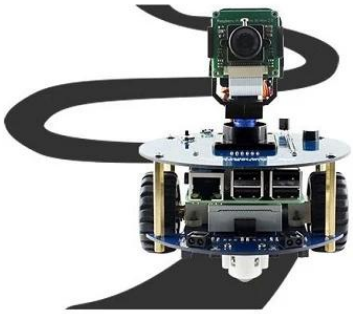
For More Possibilities, Refer To Example Code And Manual

Obstacle Avoidance

The module sends IR beam and detects objects by receiving the reflected IR beam, to easily avoid obstacles in the way.

Auto Line Tracking

Features 5-ch IR detector for sensing and analysing the black line, combined with PID algorithm for adjusting robot movement, high sensitivity, stable tracking.



Bluetooth Control

Provides mobile APP to control the robot movement and peripherals, such as RGB LED color, onboard buzzer, etc.

Infrared Control

With the IR receiver onboard, it is allowed to control the robot via IR remote controller, make it move forward or change direction...

Web control (Mobile/Tablet/PC)

Qt software control (PC)

APP control (Android phone)

WiFi Control

Supports WiFi remote control, real time video monitoring via webpage / APP / PC, also features routing function by creating WiFi hotspot.

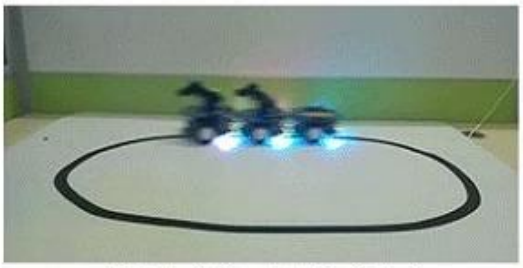
2-DOF Pan-Tilt

2-DOF pan and tilt + hardware PWM controlled servo, smoothly rotates the camera to capture omnibearing images.

AlphaBot2-Pi robot RGB LED control

AlphaBot2-Pi robot video monitoring

AlphaBot2-Pi robot Bluetooth control



multi AlphaBot2 robots line following

AlphaBot2-Pi robot obstacle avoiding

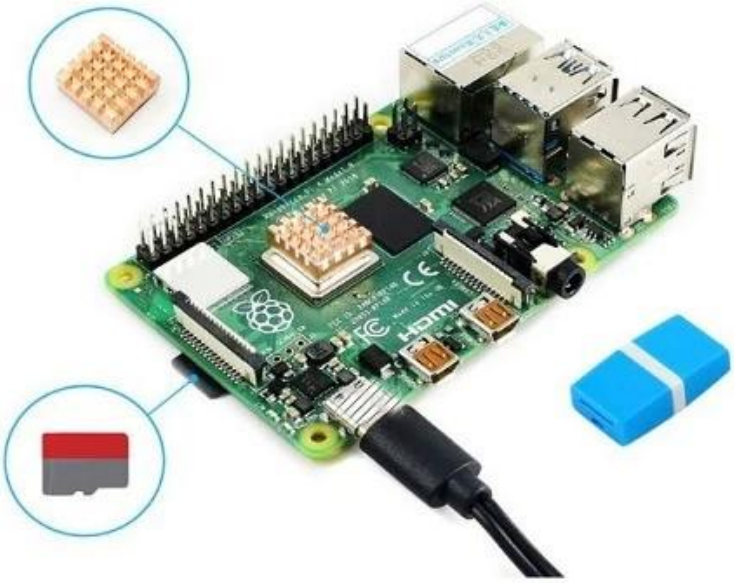
Kits Selection Guide

Various Raspberry Pi 4 Kits Are Available, Find Your Favorite One

Starter Kit

The very essential parts to get started, guaranteed compatibility and stability.

- 16GB Class10 high speed micro SD card
- 5V 3A Type-C power supply
- Cool brass heat sink
- Extra free micro SD card reader



Display Kit

Build your own all-in-one computer powered by Raspberry Pi 4, much more funny.

- 7inch wide viewing angle HD touch screen
- High quality black/white acrylic protective case
- HDMI to micro HDMI cable
- 16GB micro SD card, power supply...

Sensor Kit

Pi × Arduino

Sensors are important parts of IoT, while the Arduino is a massive ecosystem, this kit provides a way for the Pi to make use of these powerful things.
1 + 1 > 2

- Pi to Arduino adapter board
- 13x popular sensors
- 16GB micro SD card, power supply...

Robot Kit

AlphaBot

Make a Raspberry Pi smart mobile robot, easily use it for obstacle avoidance, line tracking, Bluetooth / IR / WiFi remote control, or video monitoring. Arduino compatible.

- AlphaBot driver board
- AlphaBot chassis
- Modules: Camera / Line tracking / Speed measuring...
- Raspberry Pi 4 is NOT included

Robot Kit

AlphaBot2

Make a Raspberry Pi smart mobile robot, easily use it for obstacle avoidance, line tracking, Bluetooth / IR / WiFi remote control, or video monitoring. A smaller and more flexible one.

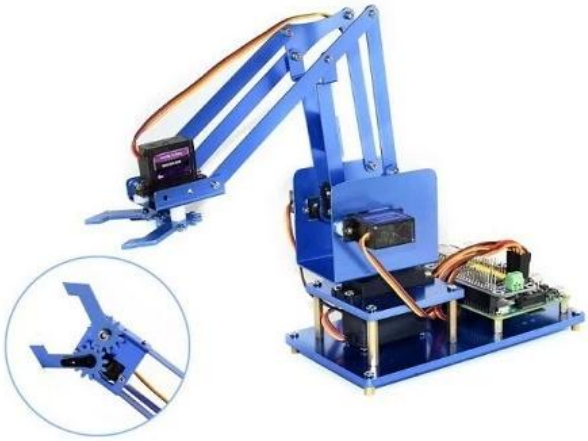
- AlphaBot2-Pi (adapter board)
- AlphaBot2-Base (base chassis)
- Modules: Camera...

Raspberry Pi

Python

C Language

C/C++



Robot Arm Kit

Flexible and stable 4-DOF metal robot arm, allows to be controlled by smart phone through Bluetooth or WiFi connection.
"Just grab it"

- Servo driver board
- Metal mechanical arm structure
- 4x servos, power supply...
- Raspberry Pi 4 is NOT included

La nostra squadra

O-LEADING CUSTOMER

To be RELIABLE

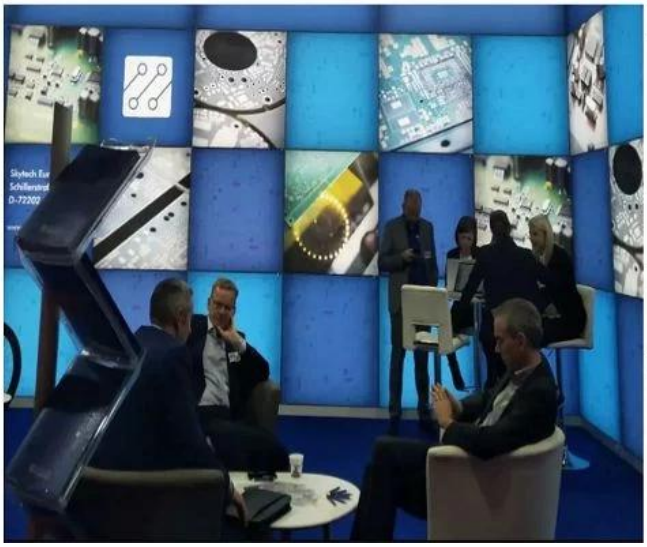
Quality first ,

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

Factory PCB

Automatic vacuum press machine

Drilling Machine

Pattern Plating Machine

Scrubbing Machine

Developing Machine

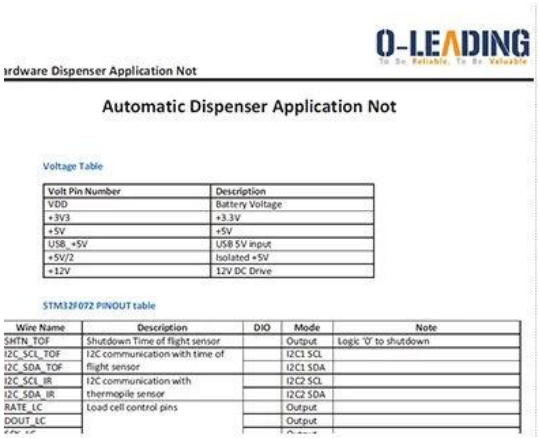
Routing Machine

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

ardware Dispenser Application Not

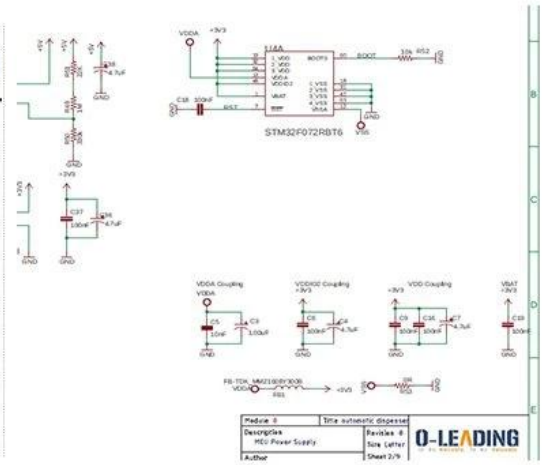
Automatic Dispenser Application Not

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

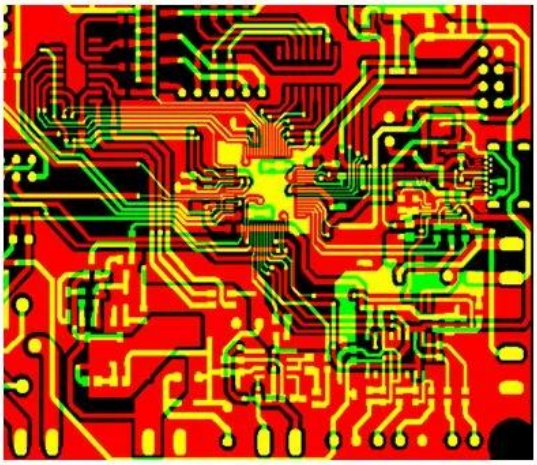
STM32F072 PINOUT table

Wire Name	Description	DIO	Mode	Note
SHTN_TOF	Shutdown Time of flight sensor		Output	Logic '0' to shutdown
I2C_SCL_TOF	I2C communication with time of		I2C1 SCL	
I2C_SDA_TOF	flight sensor		I2C1 SDA	
I2C_SCL_IR	I2C communication with		I2C2 SCL	
I2C_SDA_IR	thermopile sensor		I2C2 SDA	
RATE_LC	Load cell control pins		Output	
DOUT_LC			Output	

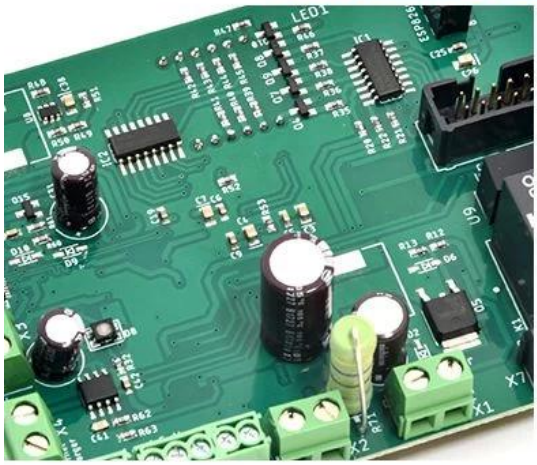


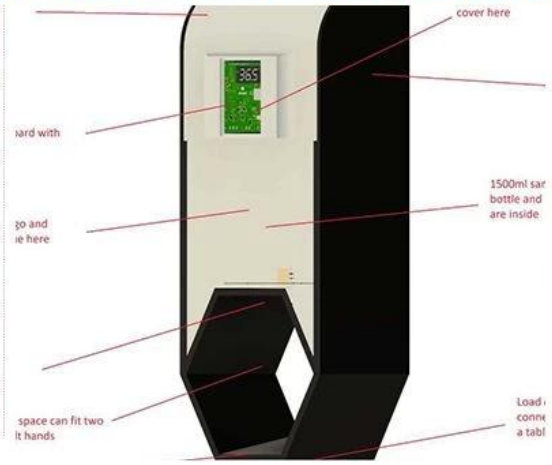
HARDWARE schematics

PCB PRODUCTION COMPONNETS 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 HEADE
1	ML10	ML10	SV4	HARTING
1	8MHZ	XTALL_CSTCE8M	X5	CSTCE8M00G52-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

合作伙伴 Customers

Skyworth 创维
H&T 和布泰 H&T 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

O-LEADING CUSTOMER REVIEW

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 exllent job, whenever we write, she answered us within 1 second, O-leading is very perfe ct 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 & e xperienced, 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, competitve price, lucky and happy to purchase from O-leading!

回复该评论

订单编号: 49224411001024670

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 p 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 su ppliers, 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: 40938622501024670

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 Manufactur...

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: 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 goo d PCBA 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: 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

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 Pi W ver...

Fantastic products!!

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

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.

Certificazioni

O-LEADING TRAINING

Keep LEARNING

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

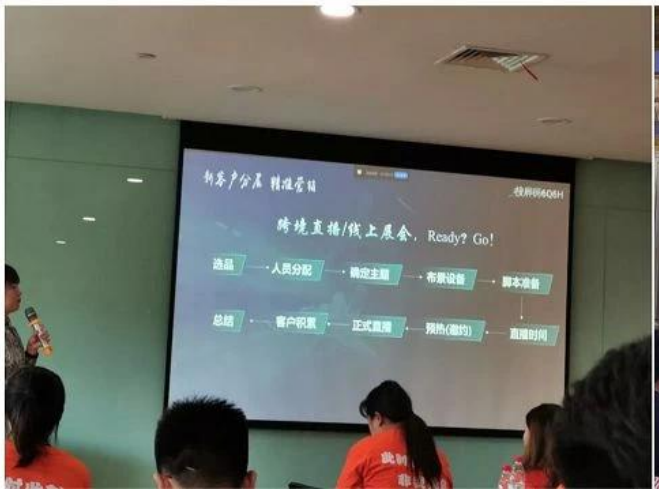
It's wonderful to have a beginner's mind

WE HAVE A DREAM

Keep RUNNING

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

----Bacon



CICC CERTIFICATION
嘉泰认证

CICC INSPECTION CERTIFICATION

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 CERTIFICATION IAF CNAS

CICC CERTIFICATION
嘉泰认证

CICC INSPECTION CERTIFICATION

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

在下列期限内，未经CICC贴防合格标贴，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-cqc.com查询。

CICC CERTIFICATION IAF CNAS

SGS

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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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 Bldg. No.2, Jianghai Industrial Park, No.68, 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号江灏工业园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)

SGS

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	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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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 E490354
ROOM 1205, 12/F
TAI SANG BANK BLDG
130-132 DES VOEUS ROAD
CENTRAL, HONG KONG

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

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Capacità di processo

Capacità di produzione PCB.	
Conteggio del livello	1Layer-32layer.
Spessore di rame finito	1 / 3OZ-12OZ
Min Larghezza linea / spaziatura interna	3.0mil / 3.0mil.
Larghezza minima linea / spaziatura esterna	4.0mil / 4.0mil.
Rapporto Max Aspect.	10: 1.
Spessore del bordo	0,2 mm-5.0mm.
Dimensione massima del pannello (pollici)	635 * 1500mm.
Dimensione minima del foro forato	4Mil
Tolleranza del foro piegata	+/- 3mil.
BIIND / Vias sepolti (tipi AII)	SÌ
Via Riempimento (conduttivo, non-conduttivo)	SÌ
Materiale di base	FR-4, FR-4High TG. MATERIALE GRATUITO FREE, ROGERS, BASE DI ALLUMINIO,Poliimmide, rame pesante
Finiture superficiali	Hasl, osp, enig, hal-lf, lmmersion argento,Tin di LMMER, dita d'oro, inchiostro del carbonio

Capacità di produzione SMT.

Materiale PCB	FR-4, CEM-1, CEM-3, scheda a base di alluminio, FPC
Dimensione max PCB.	510x1500mm.
MIN Dimensioni PCB.	50x50mm.
Spessore PCB.	0,5 mm-4.5mm.
Spessore del bordo	0,5-4mm.
Dimensione dei componenti min	0201.
Componente di dimensioni del chip standard	0603 e più grande
Componente massima altezza	15mm.
Min Pitch	0.3mm.
Min BGA Ball Pitch	0.4mm.
Precisione del posizionamento	+/- 0,03mm.

Confezione e consegna

Shipping service

DHL WORLDWIDE EXPRESS TNT FedEx Express UPS

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

FAQ

1. In che modo gli o-leader garantiscono la qualità? Il nostro standard di alta qualità è ottenuto con quanto segue.
1.1 Il processo è rigorosamente controllato secondo gli standard ISO 9001: 2008.
1.2 Ampio uso del software nella gestione del processo di produzione
1.3 Attrezzature e strumenti di test all'avanguardia. Per esempio. Sonda volante, ispezione a raggi X, AOI (ispettore ottico automatico) e TIC (test in circuito).
1.4. Team di garanzia della qualità ridotto con processo di analisi del caso fallimento
1.5. Formazione e istruzione del personaleContinuo

2. In che modo O-leader mantiene il prezzo competitivo?
Nell'ultimo decennio, i prezzi di molte materie prime (ad es. Rame, prodotti chimici) erano raddoppiati, triplicati o quadruplicati; La valuta cinese RMB aveva apprezzato il 31% sul dollaro USA; E anche il nostro costo del lavoro è aumentato in modo significativo.
Tuttavia, o-leader ha mantenuto il prezzo fisso. Questo possiede interamente alle nostre innovazioni nel ridurre i costi, evitando i rifiuti e il miglioramento dell'efficienza. I nostri prezzi sono molto competitivi nel settore allo stesso livello di qualità.
Crediamo in una partnership win-win con i nostri clienti. La nostra partnership sarà reciprocamente vantaggiosa se possiamo fornirti un costo e una qualità di Edgeon.

3. Che tipo di schede possono il processo di leader o?
Common FR4, Schede ad alte TG e alogeni, Rogers, Arlon, Telfon, alluminio / schede a base di rame, PI, ecc.

4. Quali dati sono necessari per la produzione PCB e PCBA?
4.1 BOM (Bill of Materiali) Con Designatori di riferimento: descrizione dei componenti, nome del produttore e numero di parte.
4.2 File Gerber PCB.
4.3 Disegno di fabbricazione PCB e disegno di assemblaggio PCBA.
4.4 Procedure di prova.
4.5 Eventuali restrizioni meccaniche come requisiti di altezza di assemblaggio.

5. Qual è il flusso di processo tipico per PCB multistrato?
Taglio del materiale → Film secco interno → Interiore dell'incisione → Interno Aoi → Multi-Bond → Strati Stack Up Pressatura → Foratura → PTH → Placcatura del pannello → Pellicola a secco esterno → Pellicola a secco → Placcatura del motivo → Incisione esterna → Esterno Aoi → Maschera di saldatura → Marchio del componente → Finitura superficiale → Routing → E / T → Ispezione visiva.

6. Quali sono le apparecchiature chiave per la produzione di hdi?
L'elenco delle apparecchiature chiave è il seguente: perforatrice laser, macchina per la pressatrice, linea VCP, macchina per esposizione automatica, LDI e ecc.
Le apparecchiature che abbiamo sono le migliori del settore, le perforatrici laser provengono da Mitsubishi e Hitachi, le macchine LDI sono provenienti da schermo (Giappone), anche le macchine per l'esposizione automatica sono anche da Hitachi, tutte effettuano che possiamo soddisfare i requisiti tecnici del cliente.

7. Quanti tipi di finitura superficiale o-piombo possono fare?
O-Il leader ha la serie completa di finitura superficiale, come ad esempio: enig, osp, lf-hasl, placcatura in oro (morbido / duro), argento ad immersione, stagno, placcatura d'argento, placcatura di stagno, inchiostro di immersione e ecc. OSP, enig, osp + enig Comunemente usato sull'HDI, di solito consigliamo di utilizzare un client o osps osp + ITIG se la dimensione del pad BGA è inferiore a 0,3 mm.

8. Qual è la tua capacità di FPC? L'o-leader può fornire anche un servizio SMT?
O-leader in grado di fabbricare il FPC dal singolo livello a 8layer, le dimensioni del pannello di lavoro possono essere grandi come 2000mm * 240mm, si prega di trovare i dettagli nella pagina "Capacità Flex" Forniamo anche un servizio SMT one stop al cliente.

9. Quali sono i principali fattori che influenzeranno il prezzo del PCB?
Materiale;
Finitura superficiale;
Difficoltà tecnologica;
Criteri di qualità diversi;
Caratteristiche del PCB;
Termini di pagamento;
Diversi paesi produttivi.

10. Qual è la definizione di PCB, PWB e FPC e qual è la differenza?
PCB è corto per circuito stampato;
PWB è corto per la scheda di filo stampato, stesso significato del circuito stampato;
FPC è corto per una scheda stampata flessibile.

11. Quali fattori dovrebbero essere considerati quando si sceglie il materiale per una scheda PCB?

Sotto i fattori dovrebbero essere considerati quando scegliamo il materiale per PCB:
Il valore TG del materiale dovrebbe essere maggiore della temperatura operativa;
Basso materiale CTE ha una buona prestazione della stabilità termica;
Buone prestazioni termiche resistenze: normalmente i PCB sono necessari per resistere a 250 ℃ per almeno 50 anni.
Buona piattezza; In considerazione delle proprietà elettriche, il materiale di bassa perdita / alta permontabilità è utilizzato su PCB ad alta frequenza; Substrato in fibra di vetro polimidrico utilizzato per PCB flessibile; Il nucleo in metallo viene utilizzato quando il prodotto ha requisito rigoroso della dissipazione del calore.

12. Quali sono i meriti del PCB rigido-Flex di O-Stainer?
Il PCB rigido-Flex di O-Leading ha i caratteri di FPC e PCB, quindi può essere utilizzato in alcuni prodotti speciali. Alcune parti sono flessibili mentre l'altra parte rigida, può aiutare a salvare lo spazio interno del prodotto, ridurre il volume del prodotto e migliorare le prestazioni.

13. Come fare il calcolo dell'impedenza?
Il sistema di controllo dell'impedenza viene eseguito utilizzando alcuni tagliandi di prova, il SI6000 morbido e l'apparecchiatura CITS 500S da strumenti polari.
L'attrezzatura misura l'impedenza su un coupon di configurazione del brano rappresentativo di cui il cliente ci ha dato un valore e una tolleranza determinati.