

□□ □□□ □□□□□□ O-Leading

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مصنع لجميع لوحات الدوائر الإلكترونية ثنائي الفينيل متعدد الكلور

Page 10 of 10

Raspberry Pi 3 Model A + (1 GB RAM) vs Raspberry Pi 3B + (1 GB RAM) vs Raspberry Pi 4 (4 GB RAM) vs Raspberry Pi 400 (4 GB RAM) vs Raspberry Pi 5 (8 GB RAM)

1111

512 GB SSD, 4 GB RAM, 2x USB 3.0 ports, Ethernet port, Raspberry Pi 3 Model A +

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Raspberry Pi 3 Model A +
 Raspberry Pi 3B +
 :

ARM Cortex-A53 64 1.4

□□□□ □□□□ 512 * LPDDR2 SDRAM

* LAN 802.11 無線 LAN 標準 IEEE 802.11ac 4.2 / BLE

* □□ □□□□□□ □□□□□□ □□□□ □□□□ USB

* □□□□□□□□ □□□□□□□□ □□□□□□

[illegible]

TOP QUALITY PCBA

0-LEADING
To Be Reliable, To Be Valuable



MAKE YOUR IDEA COME TRUE

產品特點

- * Broadcom BCM2837B0 4核 Cortex-A53 (ARMv8) 64 位 SoC @ 1.4 GHz 四核處理器
- 512 MB LPDDR2 SDRAM
- * 2.4 GHz 無線電 5 天 24 小時 IEEE 802.11.b / g / n / ac 無線 LAN 無線電 藍牙 4.2 / BLE
- * 40 針 GPIO 擴展接口
- * HDMI 接口 支持 1080p 60Hz
- * USB 2.0 接口
- * CSI 接口 支持 Raspberry Pi 相機
- * DSI 接口 支持 Raspberry Pi 觸摸屏
- * 支持 Micro SD 卡擴展存儲
- 5V / 2.5A 電源輸入 DC

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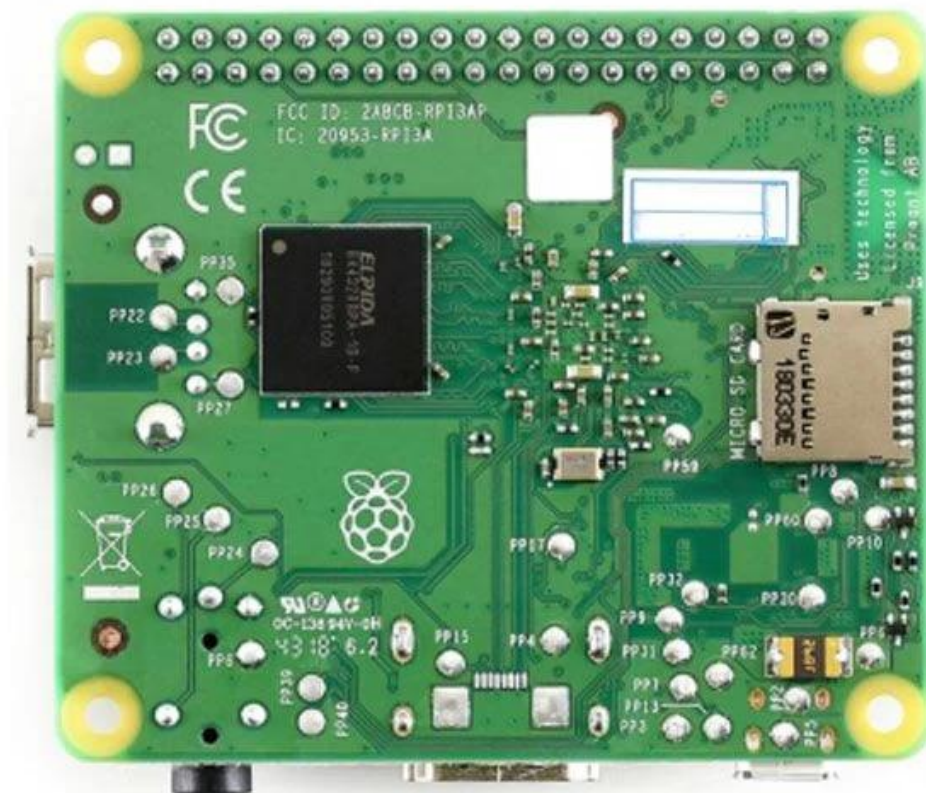
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فریقنا

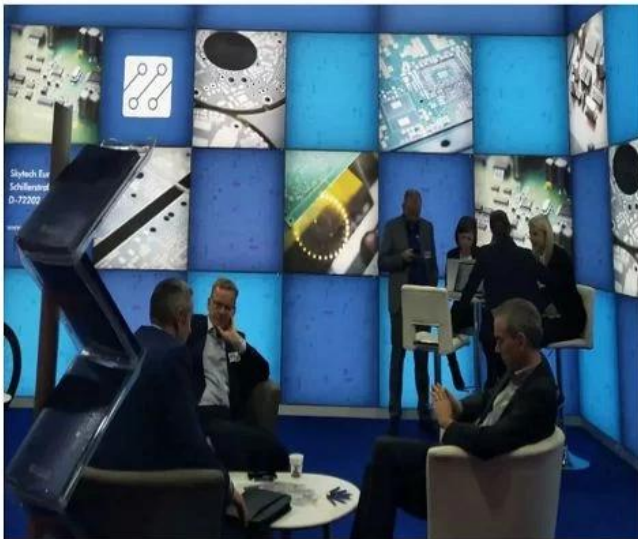
O-LEADING *CUSTOMER*

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

Hardware Dispenser Application Not

Automatic Dispenser Application Not

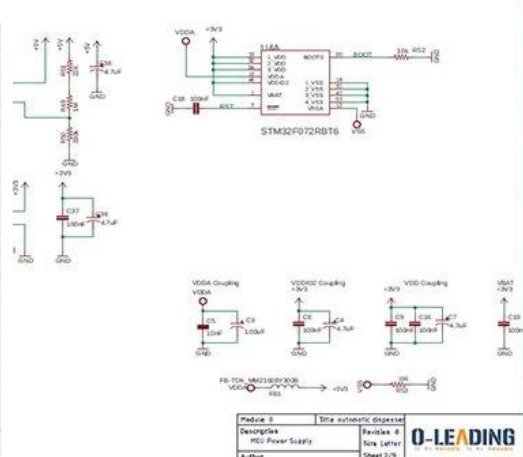
Voltage Table

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

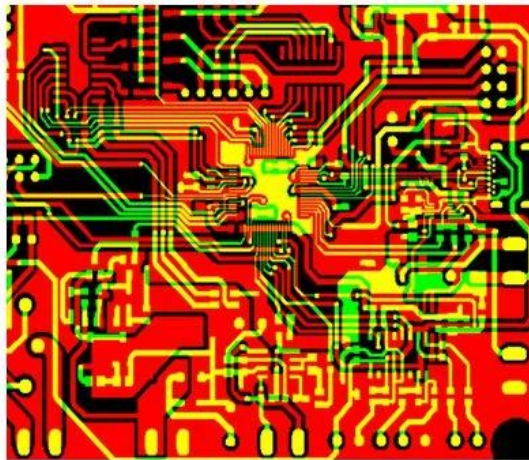
Wire Name	Description	DIO	Mode	Note
SHTN_TOF	Shutdown Time of flight sensor		Output	Logic '0' to shutdown
I2C_SCL_TOF	I2C communication with time of flight sensor		I2C1_SCL	
I2C_SDA_TOF	I2C communication with time of flight sensor		I2C1_SDA	
I2C_SCL_IR	I2C communication with thermopile sensor		I2C2_SCL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

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To Be Reliable, To Be Available

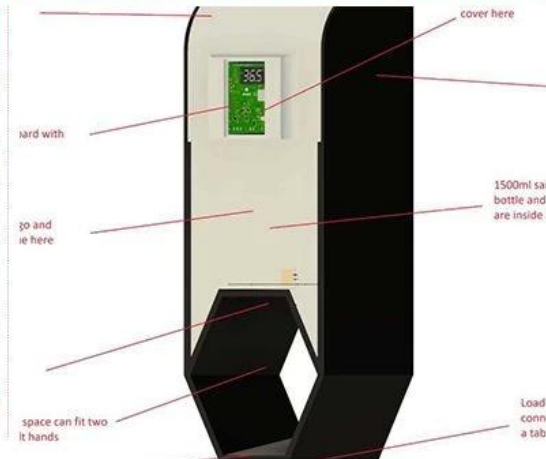


HARDWARE schematics

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	124114	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	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

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: 4093862301024670

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: 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 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!

 **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 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

 **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.**

الشهادات

O-LEADING *TRAINING*



Keep *LEARNING*

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

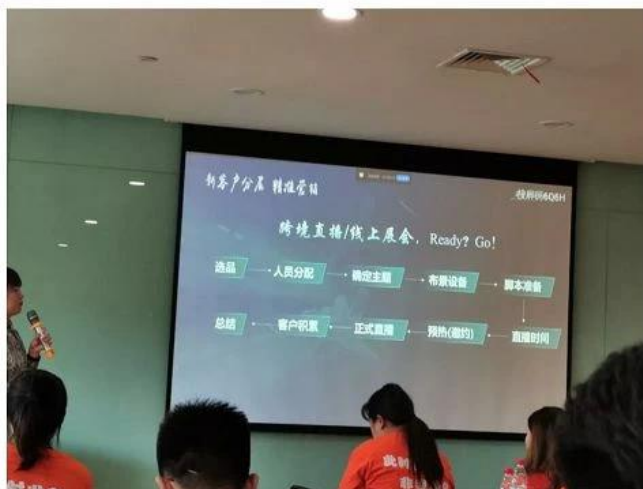
It's wonderful to have a beginner's mind

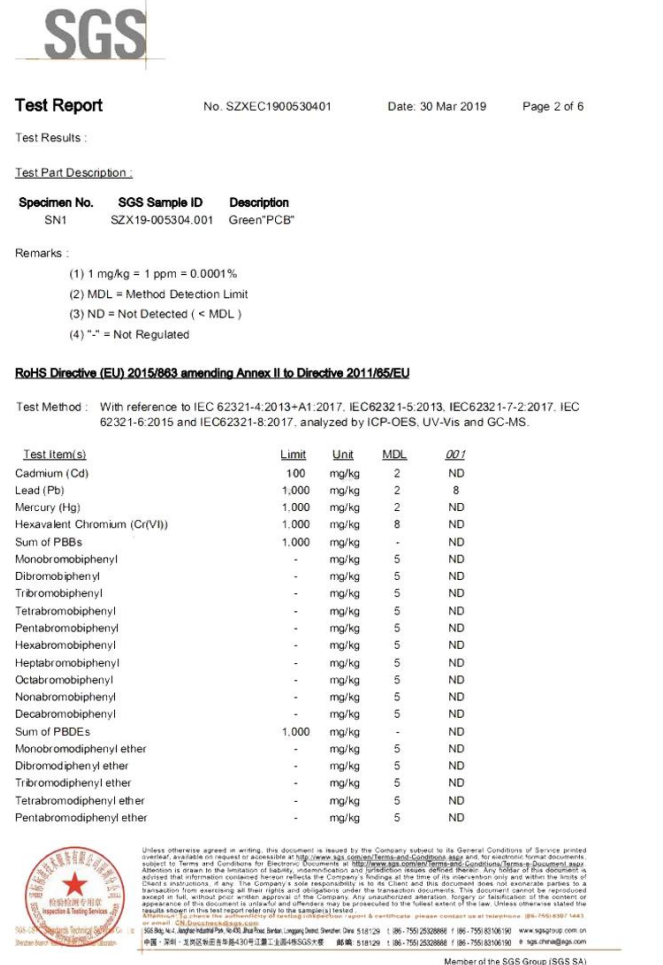
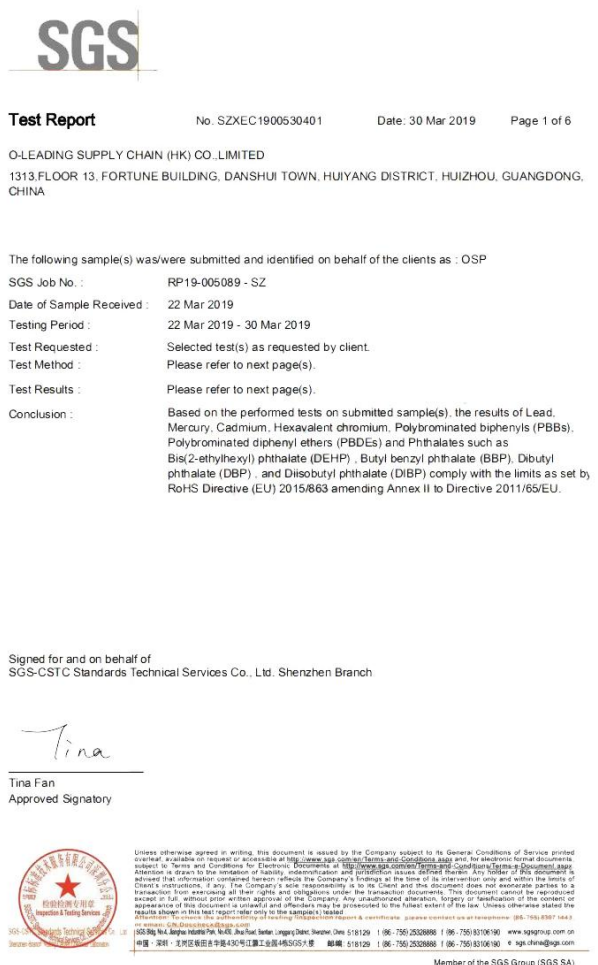
WE HAVE A *DREAM*

Keep *RUNNING*

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

----Bacon







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		C
	Min	Min			Area	Solder	Oper	Flame	UL796		
	mm(in)	mm(in)			Diam	Limits	Temp	Class	DSR		
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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القدرة العملية

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SMT

ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ ପଦାର୍ଥ	FR-4 ଓ CEM-1 ଓ CEM-3 ଓ ପ୍ରଯୋଗ୍ୟପଦାର୍ଥ ପଦାର୍ଥ ପଦାର୍ଥ ଓ FPC
ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ ପଦାର୍ଥ ପଦାର୍ଥ	510x1500 ମିମି
ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ ପଦାର୍ଥ ପଦାର୍ଥ ପଦାର୍ଥ	50 × 50 ମିମି
ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ ପଦାର୍ଥ ପଦାର୍ଥ	0.5 ମିମି 4.5 - ମିମି
ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ	0.5-4 ମିମି
ପ୍ରଯୋଗ୍ୟପଦାର୍ଥ ପଦାର୍ଥ ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ	0201
ପ୍ରଯୋଗ୍ୟପଦାର୍ଥ ପ୍ରଯୋଗ୍ୟପଦାର୍ଥ ପଦାର୍ଥ ପଦାର୍ଥ	0603 ପ୍ରଯୋଗ୍ୟ
ପ୍ରଯୋଗ୍ୟ ପ୍ରଯୋଗ୍ୟ ପଦାର୍ଥ	15 ମିମି
ପ୍ରଯୋଗ୍ୟ ପ୍ରଯୋଗ୍ୟ ପ୍ରଯୋଗ୍ୟ	0.3 ମିମି
ପ୍ରଯୋଗ୍ୟ ପ୍ରଯୋଗ୍ୟ ପ୍ରଯୋଗ୍ୟ ପ୍ରଯୋଗ୍ୟ	0.4 ମିମି
ପ୍ରଯୋଗ୍ୟପଦାର୍ଥ ପଦାର୍ଥ	+/- 0.03 ମିମି

التعبئة والتغليف والتسليم

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

التعليمات

1. اختبار O-Leading

الهدف من اختبار O-Leading هو التحقق من جودة المنتج النهائي قبل تسليمه للعميل. يتم إجراء الاختبار وفقًا لمعايير ISO 9001: 2008. 1.1
 1.2 يتم إجراء الاختبار باستخدام أجهزة اختبار مختلفة مثل Flying Probe و X-ray Inspection و AOI (Automated Optical Inspector) و ICT (In-Circuit Test). 1.3
 1.4 يتم إجراء الاختبار في بيئة خاضعة للرقابة مع درجة حرارة مناسبة. 1.4
 1.5 يتم إجراء الاختبار في بيئة خاضعة للرقابة مع درجة حرارة مناسبة. 1.5

2 O-Leading

الهدف من اختبار O-Leading هو التحقق من جودة المنتج النهائي قبل تسليمه للعميل. يتم إجراء الاختبار وفقًا لمعايير ISO 9001: 2008. 1.1
 1.2 يتم إجراء الاختبار باستخدام أجهزة اختبار مختلفة مثل Flying Probe و X-ray Inspection و AOI (Automated Optical Inspector) و ICT (In-Circuit Test). 1.3
 1.4 يتم إجراء الاختبار في بيئة خاضعة للرقابة مع درجة حرارة مناسبة. 1.4
 1.5 يتم إجراء الاختبار في بيئة خاضعة للرقابة مع درجة حرارة مناسبة. 1.5

3. اختبار O-Leading

[illegible]

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00000000 00000000 00000000 000000 00 00 **.12 rigid-flex** 0000 00 **O-**0000000000
 0000 000000 PCB 0000 00 00000000 00000000 O-00 00 00000000 00000000 FPC 0 PCB 0 00 0000000000 0000 0000
 0000000000 00000000 000000 00 000000 00 0000 0 000 000000 000000 000000 000 0000 .00000000 0000000000 0000
 .00000000 00000000 00000000 000 00000000 0 00000000

000000000 000000 0000 000 .13
 000000000 00000000 000 0000000000 00 0000000 00000 00000 0000 0 SI6000 soft 0000000 CITS 500s 00
 POLAR INSTRUMENTS.
 000000000 000000 00000 0000000 00000 00000000000 0000000 000000 000000 0000 0000000000 0000000 0000
 000.