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11111111 11111

H0BR4x 32-bit ARM Cortex-M4F 32KB SRAM 512KB Flash (IMU) 3.3V 1.5mm pitch 8-pin package

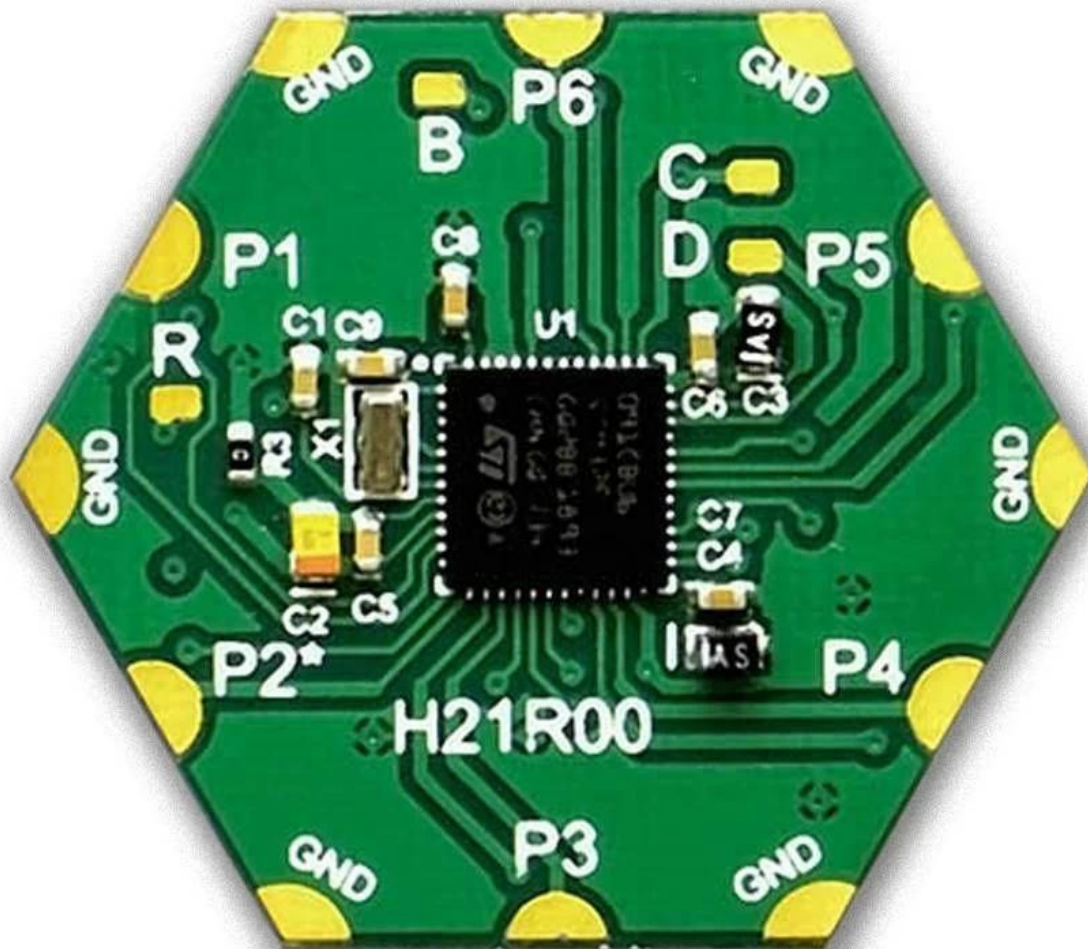
* 2 x 3. □□□□□□ □□□□□□ □□□□□ □□□□□ □□□ □□□□ □□□□

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• 00000000 0000 0000 000000 0000000 0000000 0000 000000 000000 0000 000000 0000 000000 *

000000 * H0BR4x 00000000 IMU 000000 00000000 0000 0000 00000000 00 00000000 0000000 0000000
0000000.



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.....

* SRAM の読み込みは CLI

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00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 * SRAM 00000000 00 0000000000 CLI 00 000000 0000 00
 000000 .000000 000000 000000

.()

Hexabitz !!!!!!!!!

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100 101

□□□□ * STSM6DS3 iNEMO : (□□□□□□ □□□□□ □□□□□□□□□□ □□□□□□□ □□□□□ □□□□□ □□□□□) □□□□□□ □□□□□□□□

.□□□□ □□□□□ □□□□□ □□□□□ 16 ± / 8 ± / 4 ± / 2 ± *

2000 ± / 1000 ± / 500 ± / 250 ± / 125 ± * dps □□□□□□ □□□□ □□□□□□□□.

* ODR .□□□□ □□□□ 6 □□□

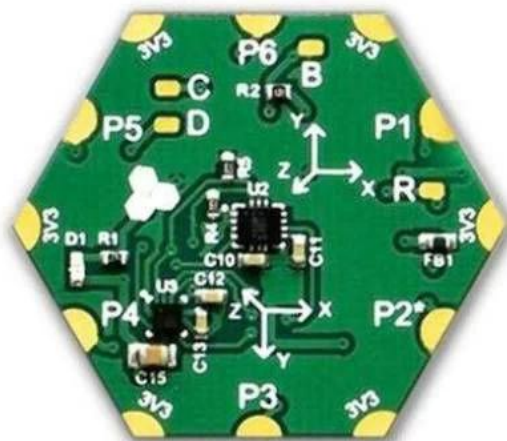
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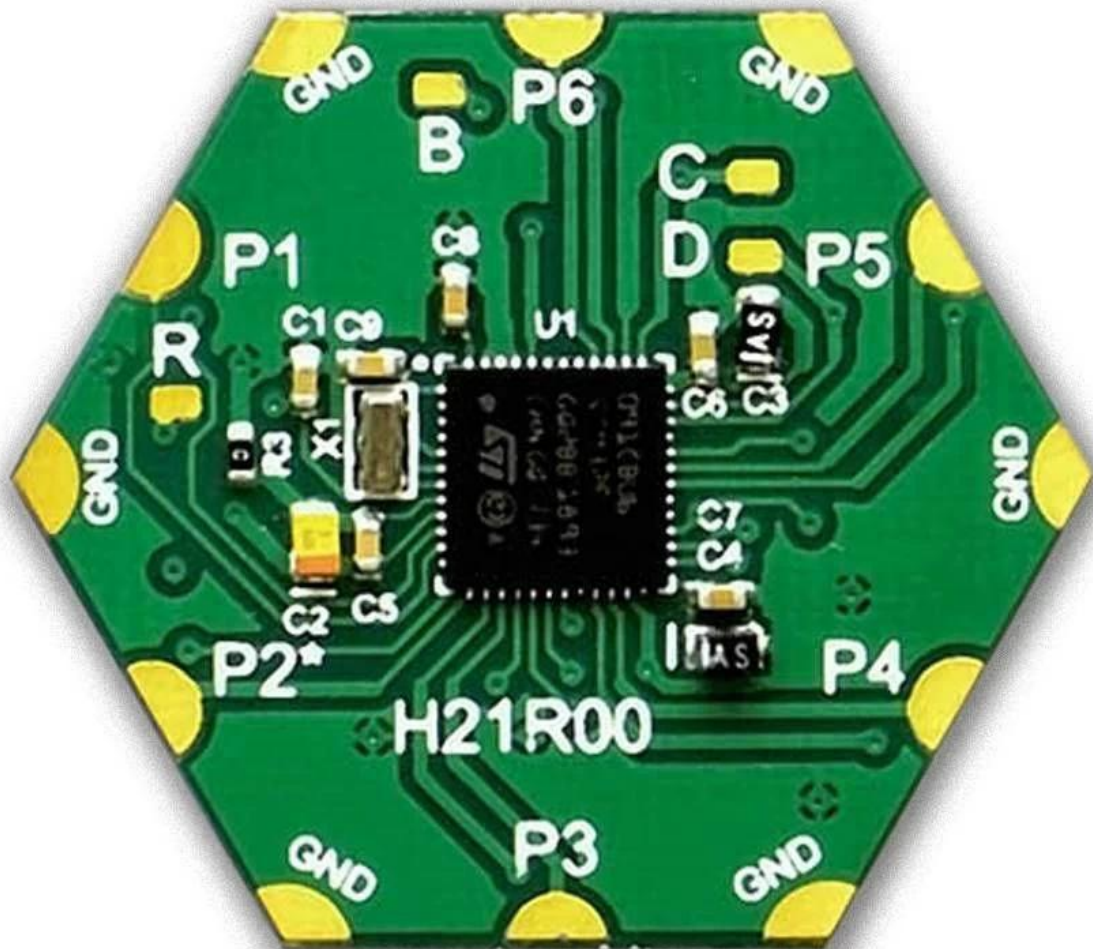
* ST LSM303AGR (3-Axis Digital Accelerometer and 3-Axis Digital Compass) (3-Axis Digital Accelerometer and 3-Axis Digital Compass)
 :(3-Axis Digital Accelerometer and 3-Axis Digital Compass)
 .3-Axis Digital Accelerometer and 3-Axis Digital Compass 50 ± *
 .3-Axis Digital Accelerometer and 3-Axis Digital Compass 16 ± / 8 ± / 4 ± / 2 ± *
 3-Axis Digital Accelerometer and 3-Axis Digital Compass 150 * ODR.

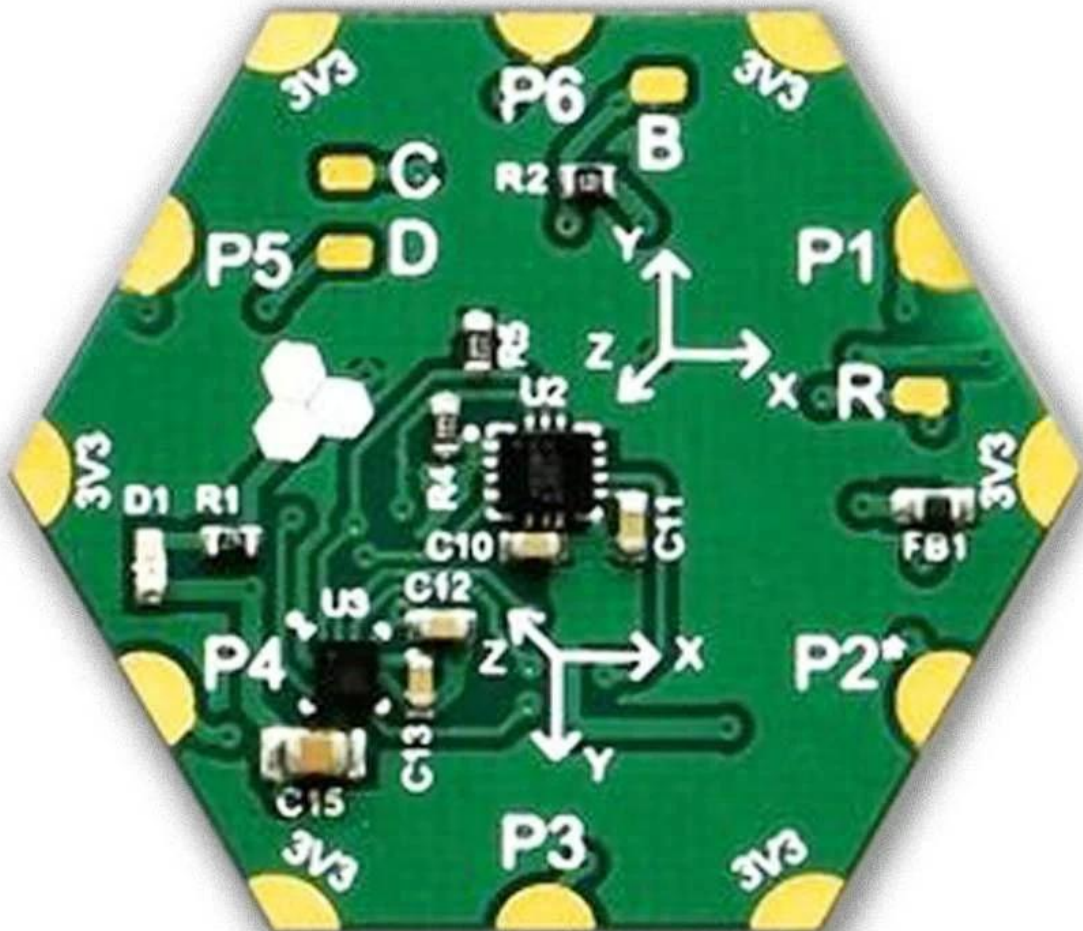
3-Axis Digital Accelerometer and 3-Axis Digital Compass

* STM32F091CBU6 32 ARM Cortex-M0 MCU.
 * .3-Axis Digital Accelerometer and 3-Axis Digital Compass 8 * GND).
 3-Axis Digital Accelerometer and 3-Axis Digital Compass 3.3 +) 3-Axis Digital Accelerometer and 3-Axis Digital Compass * GND).
 * 6 3-Axis Digital Accelerometer and 3-Axis Digital Compass xUART 2 xI2C SWD BOOT0 RESET.

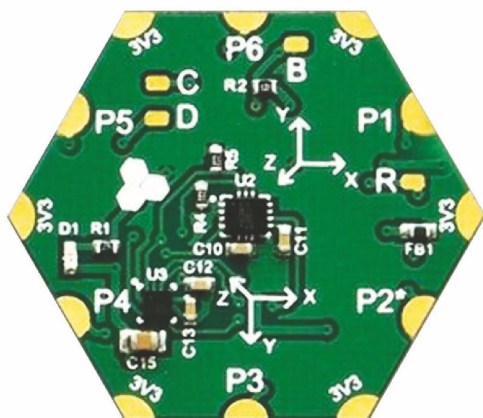
3-Axis Digital Accelerometer and 3-Axis Digital Compass	
3-Axis Digital Accelerometer and 3-Axis Digital Compass:	3-Axis Digital Accelerometer and 3-Axis Digital Compass
3-Axis Digital Accelerometer and 3-Axis Digital Compass:	3-Axis Digital Accelerometer and 3-Axis Digital Compass 17.32 3-Axis Digital Accelerometer and 3-Axis Digital Compass 30 3-Axis Digital Accelerometer and 3-Axis Digital Compass
3-Axis Digital Accelerometer and 3-Axis Digital Compass:	7.8 2 ^ 3-Axis Digital Accelerometer and 3-Axis Digital Compass
3-Axis Digital Accelerometer and 3-Axis Digital Compass:	3 3-Axis Digital Accelerometer and 3-Axis Digital Compass
3-Axis Digital Accelerometer and 3-Axis Digital Compass:	3-Axis Digital Accelerometer and 3-Axis Digital Compass
3-Axis Digital Accelerometer and 3-Axis Digital Compass:	ENIG (3-Axis Digital Accelerometer and 3-Axis Digital Compass HASL-LF (3-Axis Digital Accelerometer and 3-Axis Digital Compass))







HEXABITZ QUICK START GUIDE



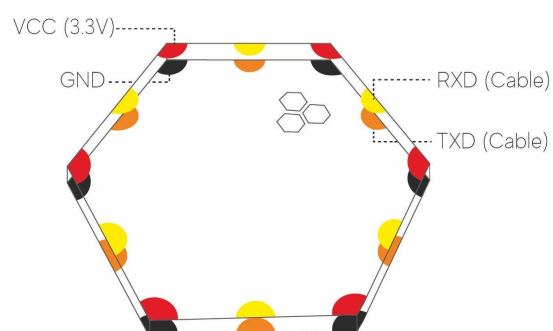
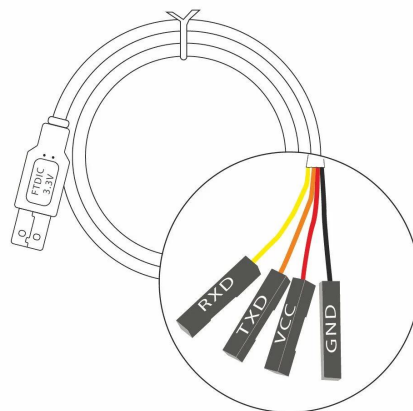
H0BR4x

IMU & Digital Compass

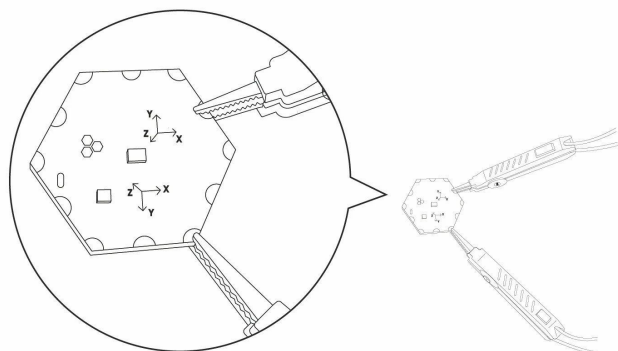
link



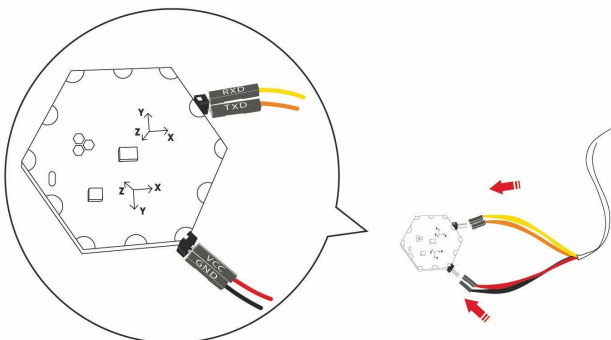
Re-48-19



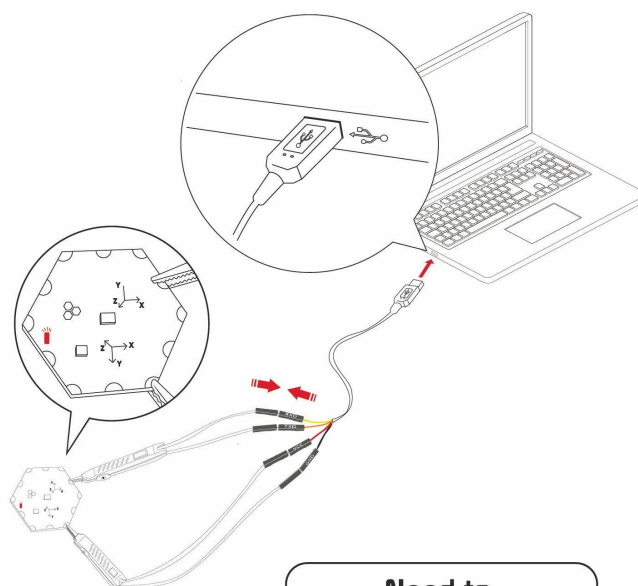
1



OR



2



**Need to
update firmware?**



link

3



RealTerm
[Windows]



Putty
[Windows/Mac/Linux]



SecureCRT
[Windows/Mac/Linux]

Use your favorite terminal software with these settings:

- o Baudrate: 921600
- o Display Format: Ansi
- o Parity: none
- o Data Bits: 8
- o Stop Bit: 1
- o Hardware Flow Control: none

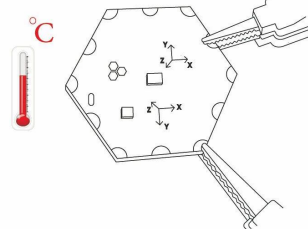
Open the virtual COM port and hit the ENTER key.
Module will respond with a welcome message.

4

Try some CLI commands:

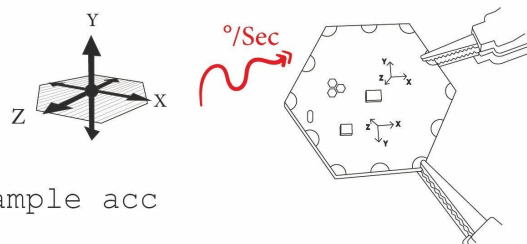
```
>> sample temp
```

Temp (Celsius) | 25.23



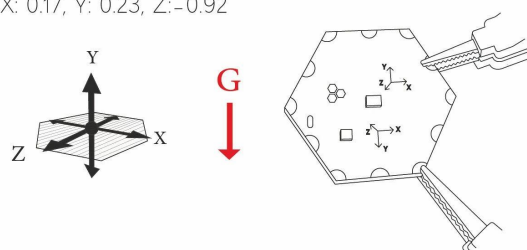
```
>> sample gyro
```

Gyro (DPS) | X: 3.27, Y: 1.12, Z: -0.71



```
>> sample acc
```

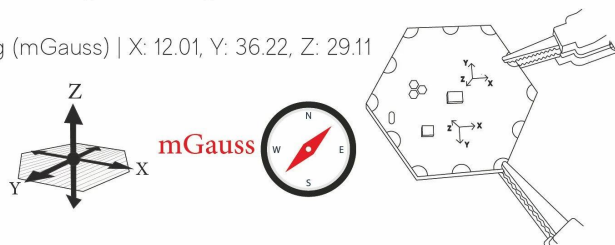
Acc (G) | X: 0.17, Y: 0.23, Z: -0.92



5

```
>> sample mag
```

Mag (mGauss) | X: 12.01, Y: 36.22, Z: 29.11



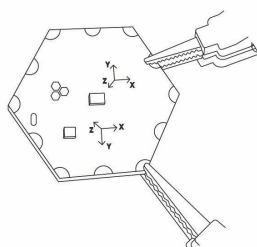
```
>> stream temp 500 inf
```

Temp (Celsius) | 25.23

Temp (Celsius) | 25.23

Temp (Celsius) | 25.23

```
>> stop (or ENTER key)
```



6

Type `>> help` for more CLI commands.

Check module documentation, schematics, firmware and design files in the Resources tab.



Resources



Related Projects

7



فريقنا



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





الشهادات





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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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, 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/T
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		Meets UL796 Class	C T DSR	I
	Min	Min			Area	Solder	Oper	Flame			
	mm(in)	mm(in)			Diam	Limits	Temp	Temp			
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。

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القدرة العملية

PCB 板厚	1.0mm 32- 36mm
PCB 板厚公差	1 / 3oz-12oz
PCB 板厚公差 / 板厚公差公差	3.0mm 3.0 / 0.1mm
PCB 板厚公差 / 板厚公差公差	4.0mm 4.0 / 0.1mm
PCB 板厚公差公差	10: 1
PCB 板厚公差	0.2mm 5.0 - 0.1mm
PCB 板厚公差公差 (板厚公差公差)	635 * 1500mm
PCB 板厚公差公差公差	4mm
PCB 板厚公差公差 Plated	+/- 3mm
Blind / Buried Vias (板厚公差 AII)	0.1mm
PCB 板厚公差公差公差 (板厚公差公差)	0.1mm
PCB 板厚公差	FR-4 或 FR-4hg Tg. 板厚公差公差 或 Rogers 或 板厚公差公差 或 板厚公差公差 板厚公差公差 板厚公差公差
PCB 板厚公差公差	HASL 或 OSP 或 ENIG 或 HAL-LF 或 Immersion silver 板厚公差公差 或 板厚公差公差 或 板厚公差公差

□□□□ □□□□ SMT

FR-4 2 CEM-1 2 CEM-3 2 2000000000 20 2000	
510x460 2000	
50x50 2000	
0.5 2000 4.5 - 2000	
0.5-4 2000	
0201	
0603 2000000	
15 2000	
0.3 2000	
0.4 2000	
+/- 0.03 2000	

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

.اختبار O-Leading هو اختبار جودة تصنيع PCB

مستند إلى معايير ISO 9001: 2008.

1.2 اختبار O-Leading هو اختبار جودة تصنيع PCB

مستند إلى معايير ISO 9001: 2008. اختبار O-Leading هو اختبار جودة تصنيع PCB

مستند إلى معايير ISO 9001: 2008. اختبار O-Leading هو اختبار جودة تصنيع PCB

مستند إلى معايير ISO 9001: 2008. اختبار O-Leading هو اختبار جودة تصنيع PCB

مستند إلى معايير ISO 9001: 2008. اختبار O-Leading هو اختبار جودة تصنيع PCB

2. اختبار O-Leading

اختبار O-Leading هو اختبار جودة تصنيع PCB

مستند إلى معايير ISO 9001: 2008. اختبار O-Leading هو اختبار جودة تصنيع PCB

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مستند إلى معايير ISO 9001: 2008. اختبار O-Leading هو اختبار جودة تصنيع PCB

مستند إلى معايير ISO 9001: 2008. اختبار O-Leading هو اختبار جودة تصنيع PCB

03 O-Leading

FR4 PCB FR4 PCB TG PCB Rogers PCB Arlon PCB Telfon PCB / PCB PI PCB

04

4.1 4.2 PCB Gerber.

4.3 PCB PCB PCBA.

4.4

4.5

05

AOI PTH AOI E / T

06 HDI

VCP LDI

LDI Screen Hitachi

07

ENIG OSP LF-HASL ENIG OSP + ENIG HDI OSP OSP + ENIG BGA PAD 0.3

08 FPC O-Leading SMT

8 2000mm * 240mm "Flex Flexability" SMT

09

10 PCB PWB FPC

PWB Wire Wire Board FPC

11 PCB

Tg CTE 250

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000 00000 000000 / 000000 00000 000 0000 0000000 000 0 00000000000 0000000 000 0000000 0 000 000000
00000000 0000000000 0000000000 000000000 00000000 00000000 0 0000000 00000 0000000 000000 00000000 000000
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.00000000

0000000 000000 000000000 000000 000000 00 00 **.12 ridid-flex** 0000000

000000 PCB 00 0000000 000000 O-00 00 00000000 00000000 FPC 0 PCB 0 0000000000 0000 00 0000000000 00000 00000
0 0000000 0000000000 00000000 000000 00 000000 00 00000 0 0000 0000000 000000 000000 0000000000 0000
.00000000 00000000 00000000 0000 00000000

00000000000 000000 00000 0000 **.13**

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

0000000000 000000 00000 00000000 00000000 00000 0000000000 00000000 000000 0000000 00000000 000000 00000.