

O-leading □ □ □ □ □ □ □ □

O-Leading PCB 板, PCB 板 及 PCB 制程 (PCBA) 的 EMS 服務商。我們提供多種產品，包括 HDI PCB, 厚層 PCB, 剛-柔性 PCB 以及 多層 PCB 等各種 PCB 產品。我們擁有先進的設備和技術，為您提供最優質的服務。

[illegible]

0-leading 00 00 000 000 000 0000, 00 0000 0000 0000 0 00 000 0000 00 PCB 0 PCBA 0 00 0000 00 0000 0000 0000.

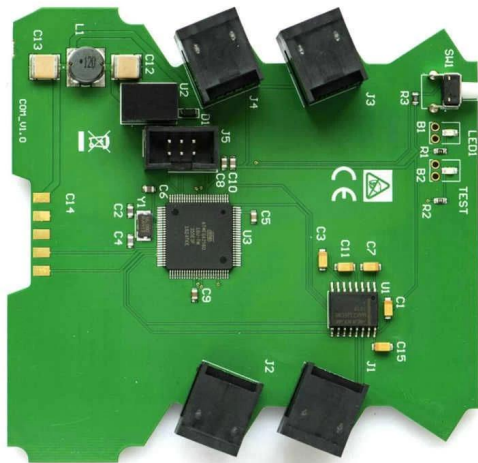
□□ □□ □□ □□□□. **PCB** □□ □□ □□ □□ □□□□

11 11

BOM

Manufacturer	Manufacturer Part Number	Designator (required)	Qty (required)	Description (required)	Case
Panasonic	ERJ-3GEYJ331V	R2	1	Thick Film Resistors 0603 330ohms 5% AEC-Q200	0603
Panasonic	ERJ-6GEYJ103V	R3	1	Thick Film Resistors 0805 10Kohms 5% AEC-Q200	0805
Vishay	CRCW06031K00FKEAC	R1	1	Thick Film Resistors - SMD 1/10Watt 1Kohms 1% Commercial Use	0603
ON Semiconductor	SZMMSZ4690T3G	D1	1	5.6 V Low Current Zener Diode Voltage Regulator	SOD-123-2
TDK	CGA9N3X7S2A106K230KB	C12,C13	2	10µF ±10% 100V Ceramic Capacitor X7S 2220 (5750 Metric)	2220
KEMET	T491A105K016AT7280	C1, C3, C7, C11, C15	5	1µF Molded Tantalum Capacitors 16V 1206 (3216 Metric) 10Ohm	1206
KEMET	C0805J104K5RACAUTO	C5, C8, C9, C10	4	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50volts 0.1uF 10% X7R AUTO	0805
KEMET	C0805C220J4GACTU	C2,C4,C6	3	Multilayer Ceramic Capacitors MLCC - SMD/SMT 16V 22pF COG 0805 0.05	0805

O-LEADING
TOP BY INNOVATION TOP BY SUPPORT



**Recom Switching
Regulator,
8 42V Input,
5V Output, 1A**

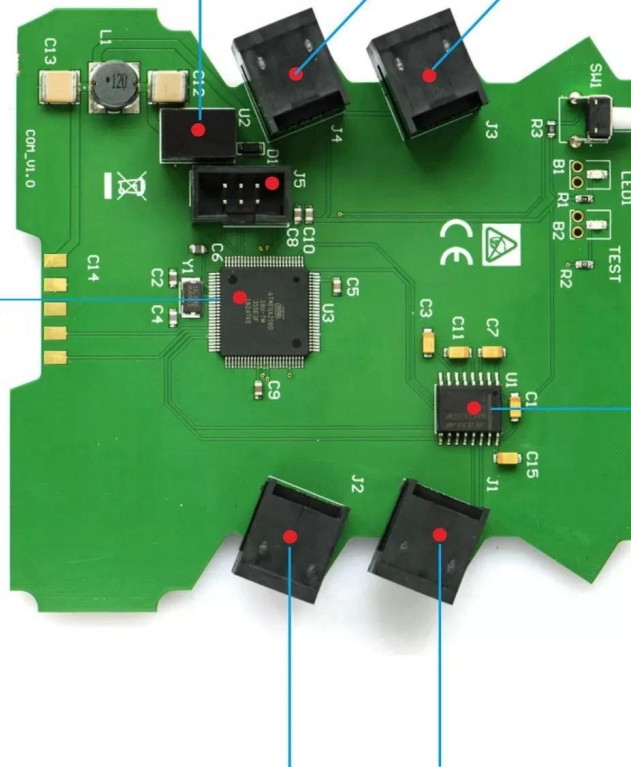
**Jack Modular Connector 8p8c
(RJ45, Ethernet) 90° Angle
(Right) Unshielded**

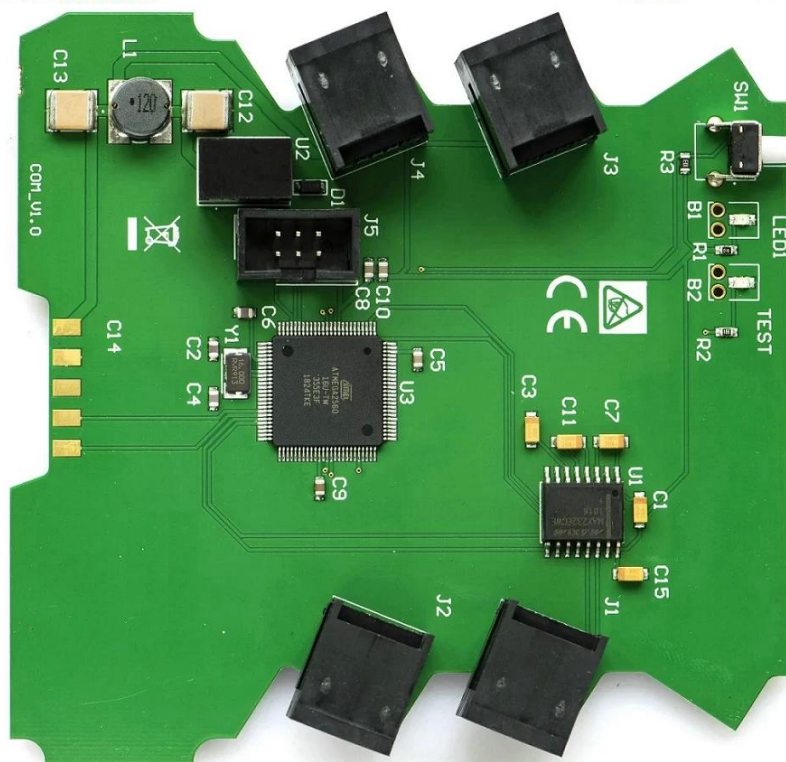
O-LEADING
To Be Reliable, To Be Valuable

**Atmega
2560-16AU**

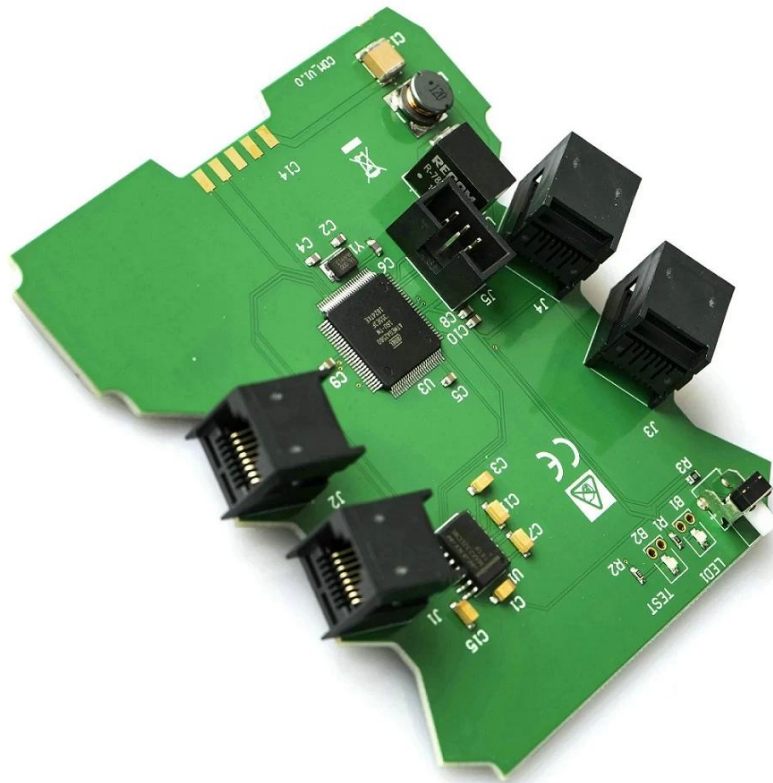
**IC TRANSCEIVER
FULL 2/2 16SOIC**

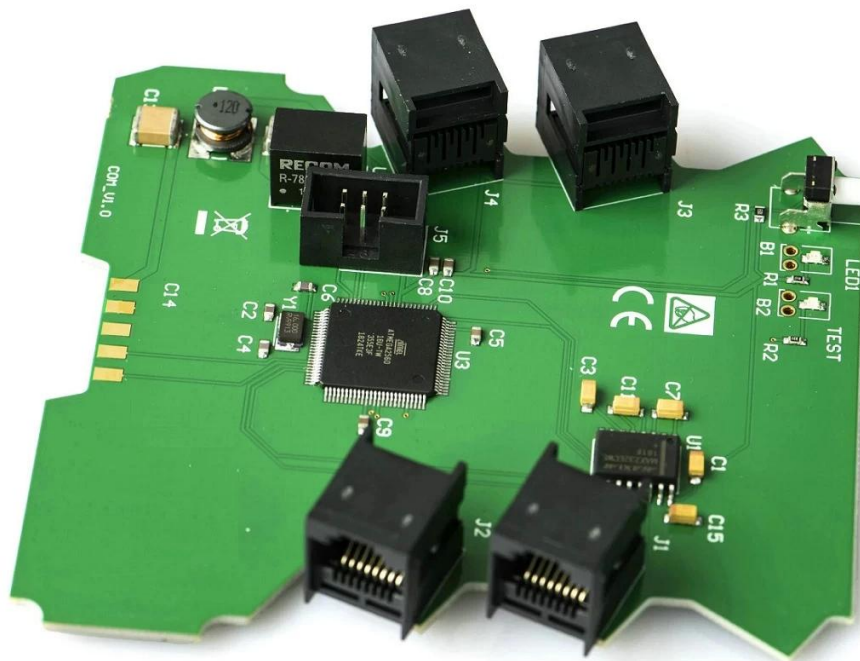
**Jack Modular Connector 8p8c
(RJ45, Ethernet) 90° Angle
(Right) Unshielded**











www.o-leading.com





PCB

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







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 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	Meets	C		
	Edge	Thk			Diam	Limits	Temp	Flame	UL796	T	
mm(in)	mm(in)			mm(in)	C	sec	C	Class	DSR	I	
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 SMT

PCB 規格		SMT 規格	
PCB 厚度	1.0-3.2mm	PCB 厚度	FR-4, CEM-1, CEM-3, 其他材料
PCB 板面尺寸	1 / 3oz-12oz		
PCB 板面尺寸 / 厚度	3.0mil / 3.0mil	PCB 板面尺寸	510x460mm
PCB 板面尺寸 / 厚度	4.0mil / 4.0mil	PCB 板面尺寸	50x50mm
PCB 厚度	10 : 1	PCB 厚度	0.5mm-4.5mm
PCB 厚度	0.2mm-5.0mm	PCB 厚度	0.5-4mm
PCB 板面尺寸 (mm)	635 * 1500mm	PCB 板面尺寸	0201
PCB 板面尺寸	4mil	PCB 板面尺寸	0603 以下
Plated 厚度	+/- 3mil	PCB 板面尺寸	15mm
Blind / Buried Vias (All 规格)	0	PCB 板面尺寸	0.3mm
PCB 板 (铜箔, 铜箔)	0	PCB BGA 厚度	0.4mm
PCB 板	FR-4, FR-4high Tg, 其他材料, 铜箔, 铜箔, 铜箔, 铜箔	PCB 厚度	+/- 0.03mm
PCB 板	HASL, OSP, ENIG, HAL-LF, 其他材料, 铜箔, 铜箔, 铜箔		

Shipping service

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

品質管理

1. O-Leading 品質管理 何をしますか？

品質管理 何をしますか？

1.1 ISO 9001 : 2008 品質管理 何をしますか？

1.2 品質管理 何をしますか？

1.3 品質管理 何をしますか？ : 品質管理, X-ray 検査, AOI (Automated Optical Inspector) 検査 ICT (in-circuit testing).

1.4 品質管理 何をしますか？

1.5. 品質管理 何をしますか？

2. O-Leading 品質管理 何をしますか？

品質管理 10 年 品質管理 (品質 : 品質, 品質管理) 品質管理 品質管理. 品質管理 品質管理 品質管理 31 % 品質管理. 品質管理 品質管理.

品質管理 O-Leading 品質管理 品質管理. 品質管理 品質管理, 品質管理 品質管理 品質管理 品質管理 品質管理. 品質管理 品質管理 品質管理 品質管理 品質管理.

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3. O-Leading 品質管理 何をしますか？

品質 FR4, 品質 TG 品質管理 品質管理, Rogers, Arlon, Telfon, 品質管理 / 品質管理 品質管理, PI 品質管理

□□□□ □□ □□□□ □□ □□□□ □□, SI6000 soft □ POLAR INSTRUMENTS□ CITS 500s □□□□ □□□□□□.
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