

Oooooooooo

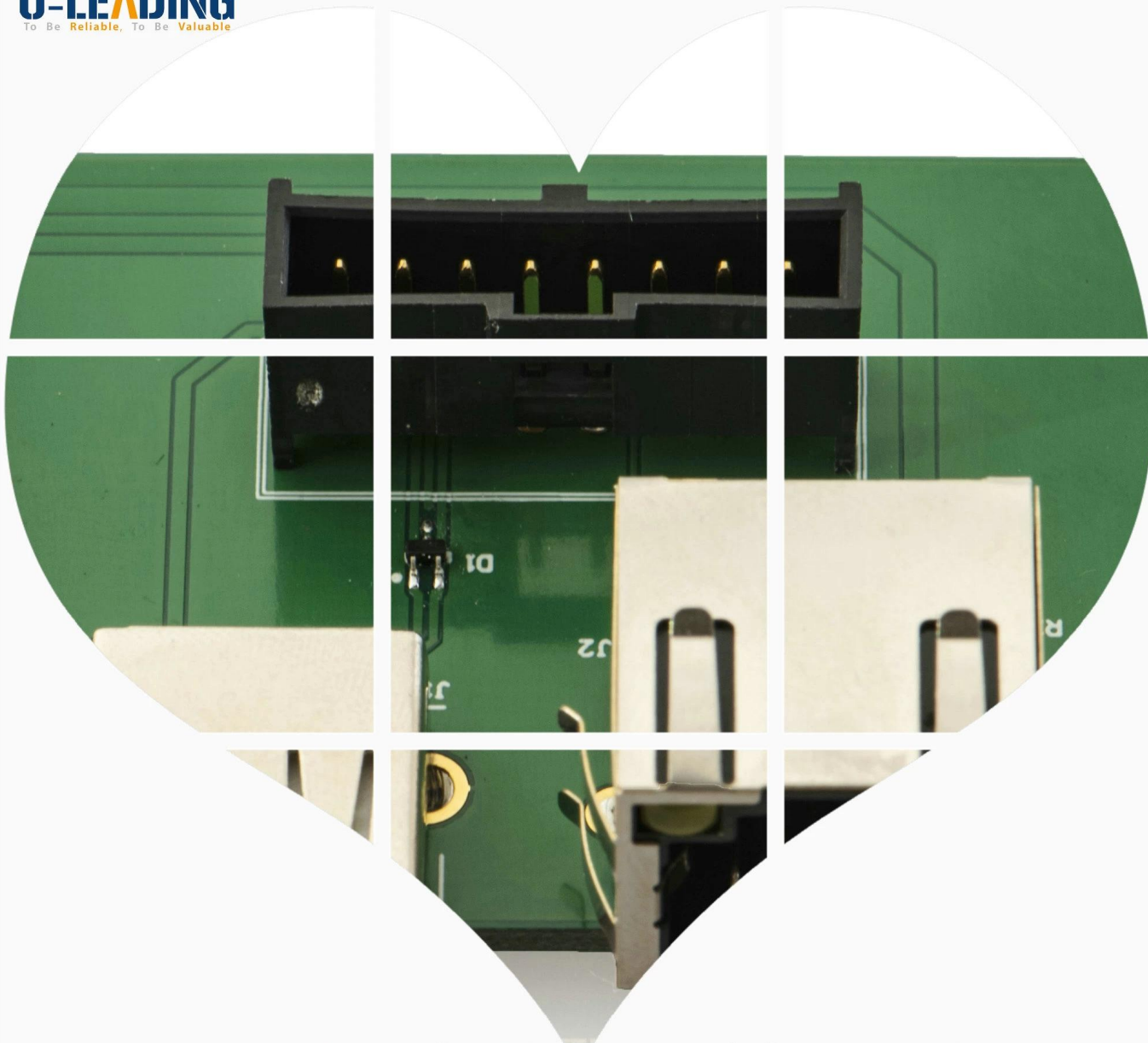
O-Leading PCB PCB PCB PCBA EMS

[illegible]

0 PCB PCBA

A diagram of a 16-bit register. The first 12 bits are white, and the last 4 bits are orange. The orange field is labeled "PCB" in blue text.

00000000



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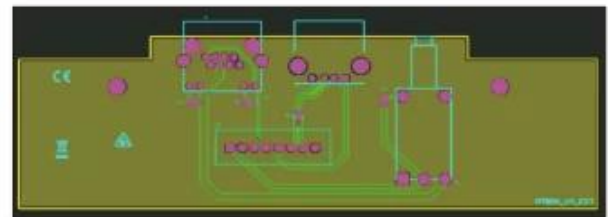
BOM

Manufacturer	Manufacturer Part Number	Designator (required)	Qty (required)	Description (required)
Molex	90136-1208	J1	1	Conn Shrouded Header (4 Sides) HDR 8 POS 2.54mm
Würth Elektronik	615008137421	J2	1	ular Jack WR-MJ, Tab Up, Shielded, with LED and EMI Panel Finger, Horiz
Panasonic	ERJ-3EKF5100V	R1,R2	2	Res Thick Film 0603 510 Ohm 1% 1/10W
Würth Elektronik	61400416021	J3	1	Conn USB 2.0 Type A F 4 POS Solder RA Thru-Hole 4 Terminal 1 Port Tray
Semtech	RCLAMP0502BATCT	D1	1	LAMP Series 25 V 1 pF SMT Uni/Bi-Directional TVS ESD/CDE Protection - SC
&K Componen	ELUMEETHQ6C22	S1	1	Switch Push Button ON ON SPDT Square Plunger 0.25A 50VDC 3.5VA

O-LEADING
To Be Reliable, To Be Valuable

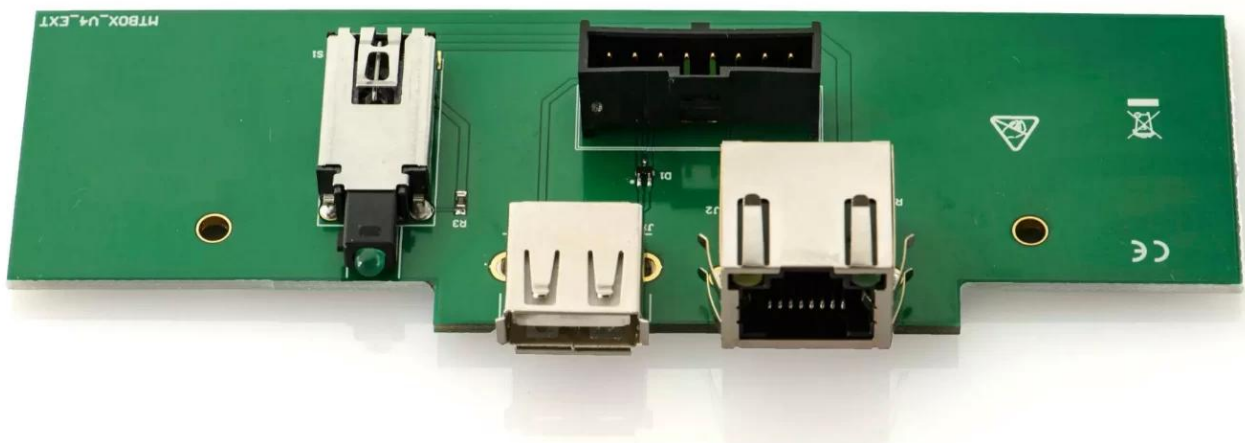
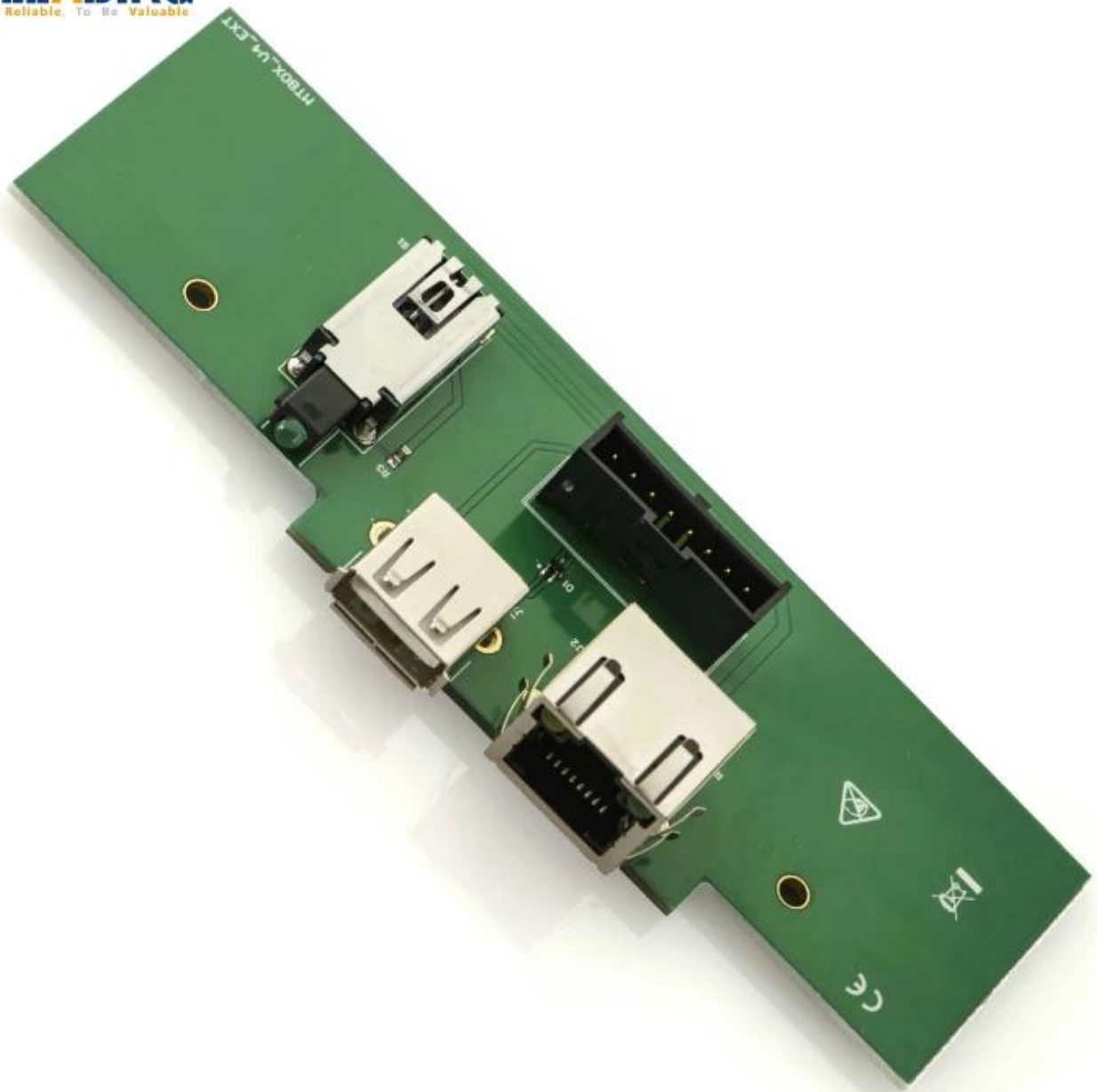


PCBA



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

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PCB SMT

PCB		SMT	
PCB	1~32	PCB	FR-4 CEM-1 CEM-3
PCB	1 / 3oz-12oz		
PCB/PCB	3.0mil / 3.0mil	PCB	510x460mm
PCB/PCB	4.0mil / 4.0mil	PCB	50x50mm
PCB	10~1	PCB	0.5mm-4.5mm
PCB	0.2mm-5.0mm	PCB	0.5-4mm
PCB	635 * 1500mm	PCB	0201
PCB	4mil	PCB	0603
Plated Hole Tolerance	+/- 3mil	PCB	15mm
Blind / Buried Vias	PCB	PCB	0.3mm
Via Fill	PCB	PCB BGA	0.4mm
PCB	FR-4 FR-4high Tg	PCB	+/- 0.03mm
PCB	HASL OSP ENIG HAL-LF		

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

1.1

1.2

1.3

1.4

1.5

2. O

10

O

Win-Win

Win-Win

3. O-Leading

FR4

4. PCB

4.1 BOM

4.2 PCB Gerber

4.3 PCB PCBA

4.4

4.5

5. PCB

→ → AOI → → PTH → → → → AOI → → → E / T →

6. HDI

VCP LDI

LDI Screen

7. O

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

8. FPC O-Leading SMT

O-Leading FPC 8 2000mm * 240mm SMT

9. PCB

; ; ; ; PCB ; ;

10. PCB PWB FPC

PCB Printed Circuit Board PWB Printed Wire Board FPC Flexible Printed Board

11. PCB

PCB Tg CTE PCB 50 250°C PCB ; PCB

12. O Igid-flex PCB

O-leading PCB FPC PCB

13.

SI6000 POLAR INSTRUMENTS CITS 500s

