

O-leading □ □ □ □ □ □ □ □

O-Leading PCB 板, PCB 板 及 PCB 电路板 (PCBA) 的 服务 EMS 服务 在 我们 服务 的 范围 之内 HDI PCB, 多层 PCB, 刚-塑料 PCB 板 及 柔性 PCB 板 均 在 服务 范围 之内. 我们 在 我们 服务 范围 之内 有 许多 服务 的 选项.

[illegible]

O-leading 係指 O-ring 密封件，而 PCB 及 PCBA 則分別指印刷電路板及印刷電路板組件。

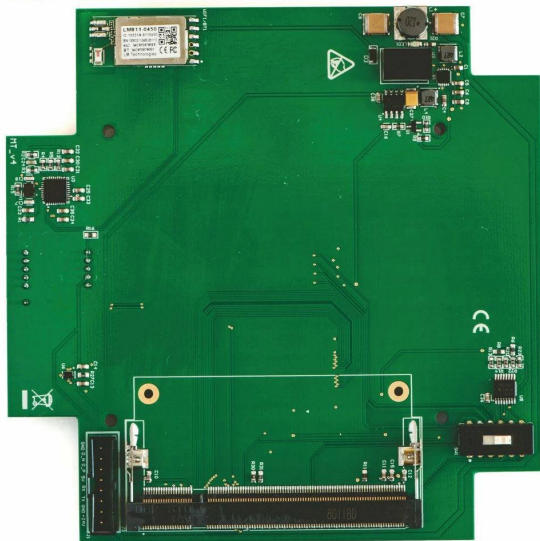
0000 0000 0000 0000 0000. **HDI PCB** 0000 00

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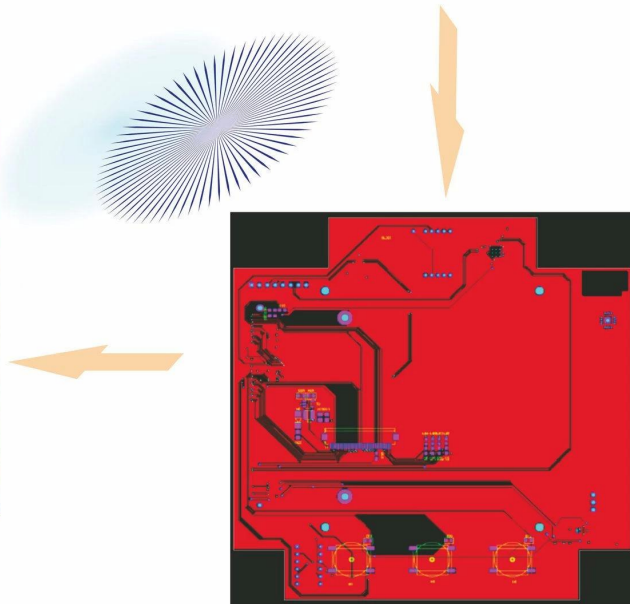
BOM

Manufacturer	Manufacturer_Part_Number	Designator	Quantity	Description
LM TECHNOLOGIE	LM811-0450	WIFI/BT1	1	WiFi and Bluetooth USB Module, 4.0 Dual Mode Class 1, onboard antenna
RECOM Power	R-78C5.0-1.0	U2	1	Recom Switching Regulator, 8 42V Input, 5V Output, 1A
Apem	5GSH935	PG,PR,PB	3	Tactile Switches 50mA 24VDC 3.5N SMT IP67
id-innovations	ID-12LA	RFID1	1	125 kHz RFID READER
Molex	90136-1208	J1	1	Conn Shrouded Header (4 Sides) HDR 8 POS 2.54mm
TE Connectivity	1473005-4	J3	1	200 Position 0.6 mm Pitch Right Angle Double Data Rate DIMM Socket Surface Mount
Murata	GRM188R61C106MA73D	C1, C4, C6, C9	4	0603 10 uF 16 V ±20% Tolerance X5R SMT Multilayer Ceramic Capacitor
KEMET	C0603C475K9PACTU	C10	1	Multilayer Ceramic Capacitor MLCC 6.3V 4.7µF
KEMET	C0603C104K3RACTU	C5, C11, C12, C13, C14, C15, C23,	15	Multilayer Ceramic Capacitor, C Series, 0.1 - F, - 10%, X7r, 25 V
KEMET	C0603C180J5GACTU	C17, C18	2	KEMET 0603 (1608M) 18pF Multilayer Ceramic Capacitor MLCC 50V

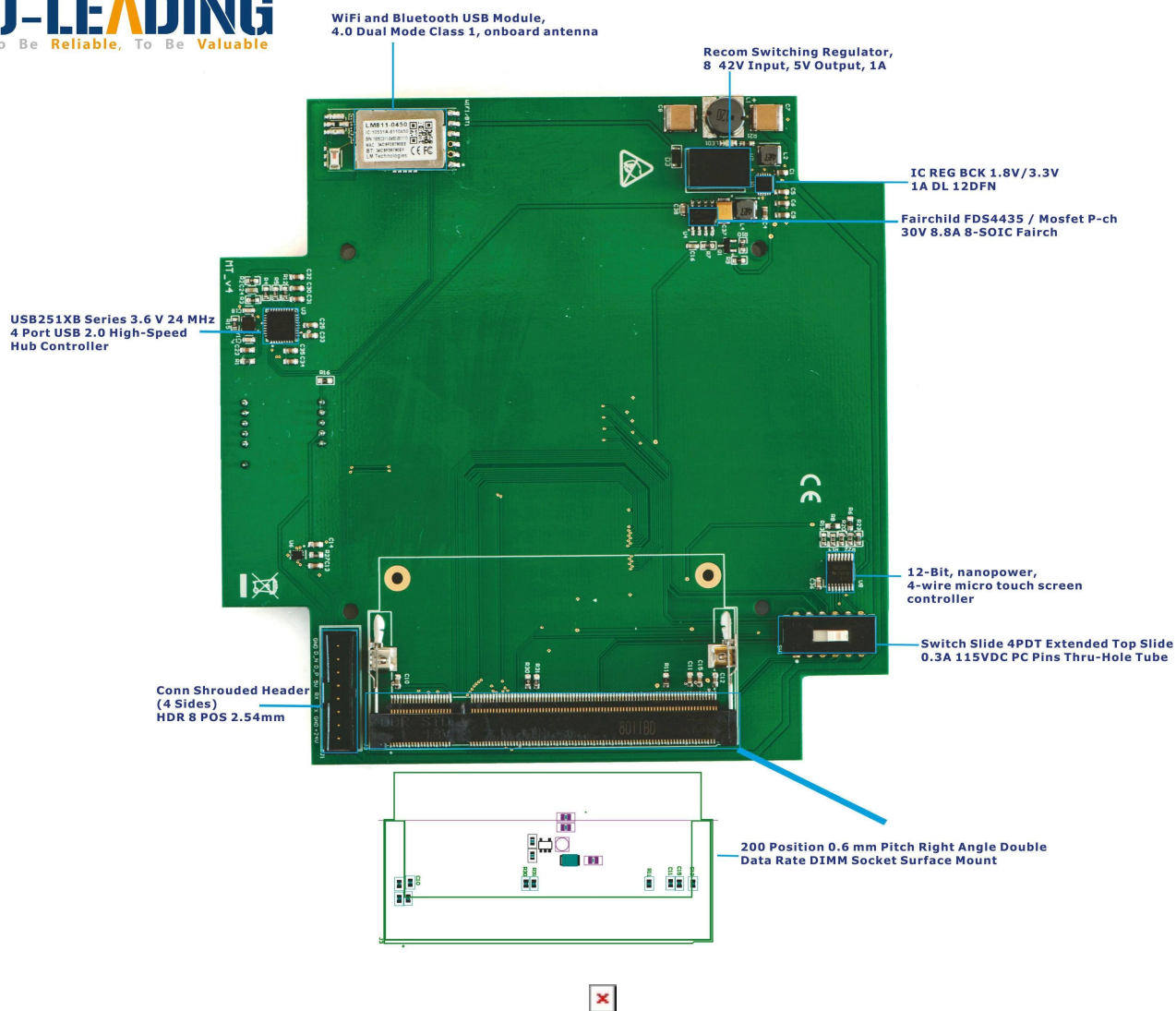
O-LEADING
We Do. Relocate. To. U.S. Fulfillment.

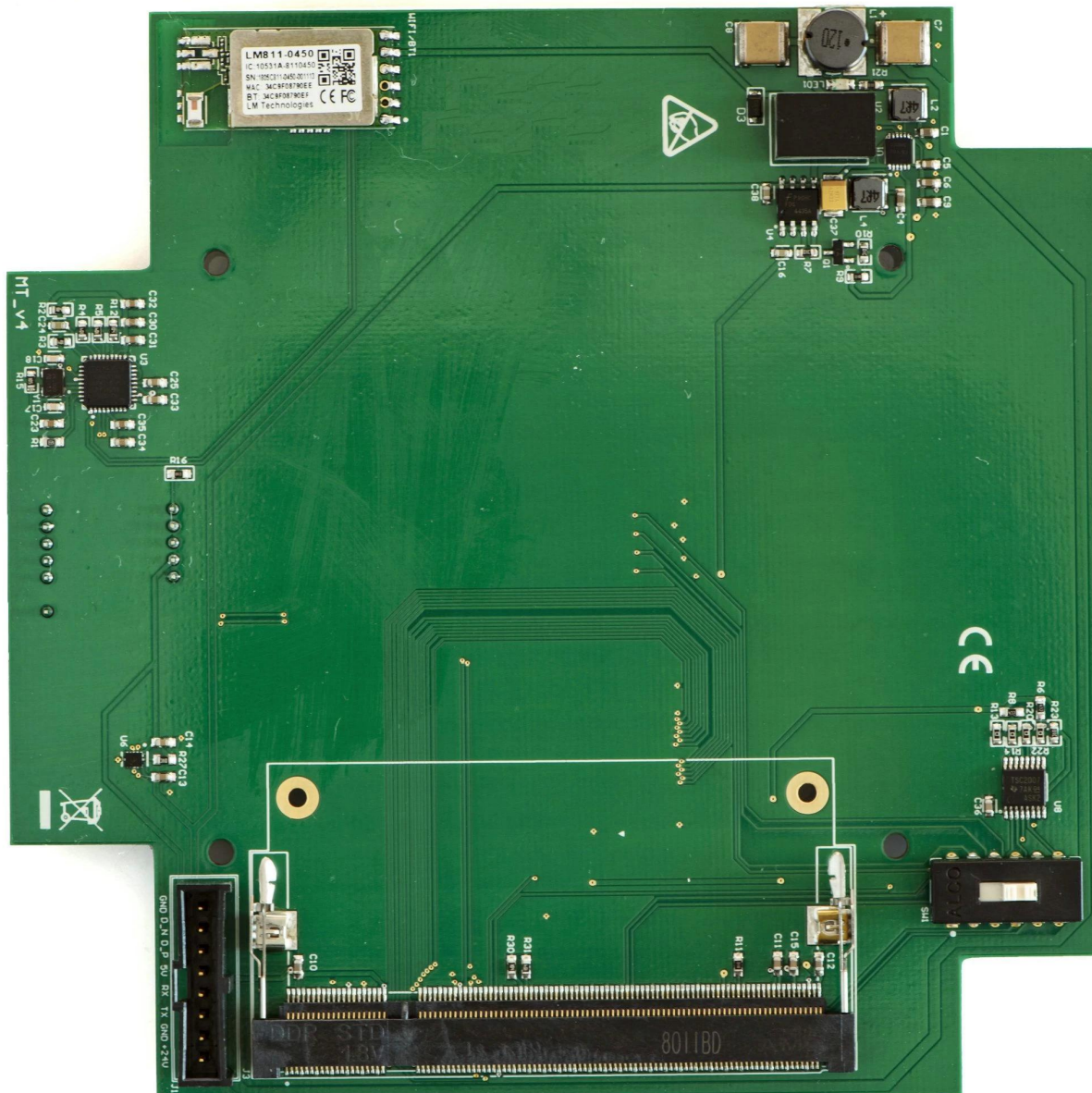


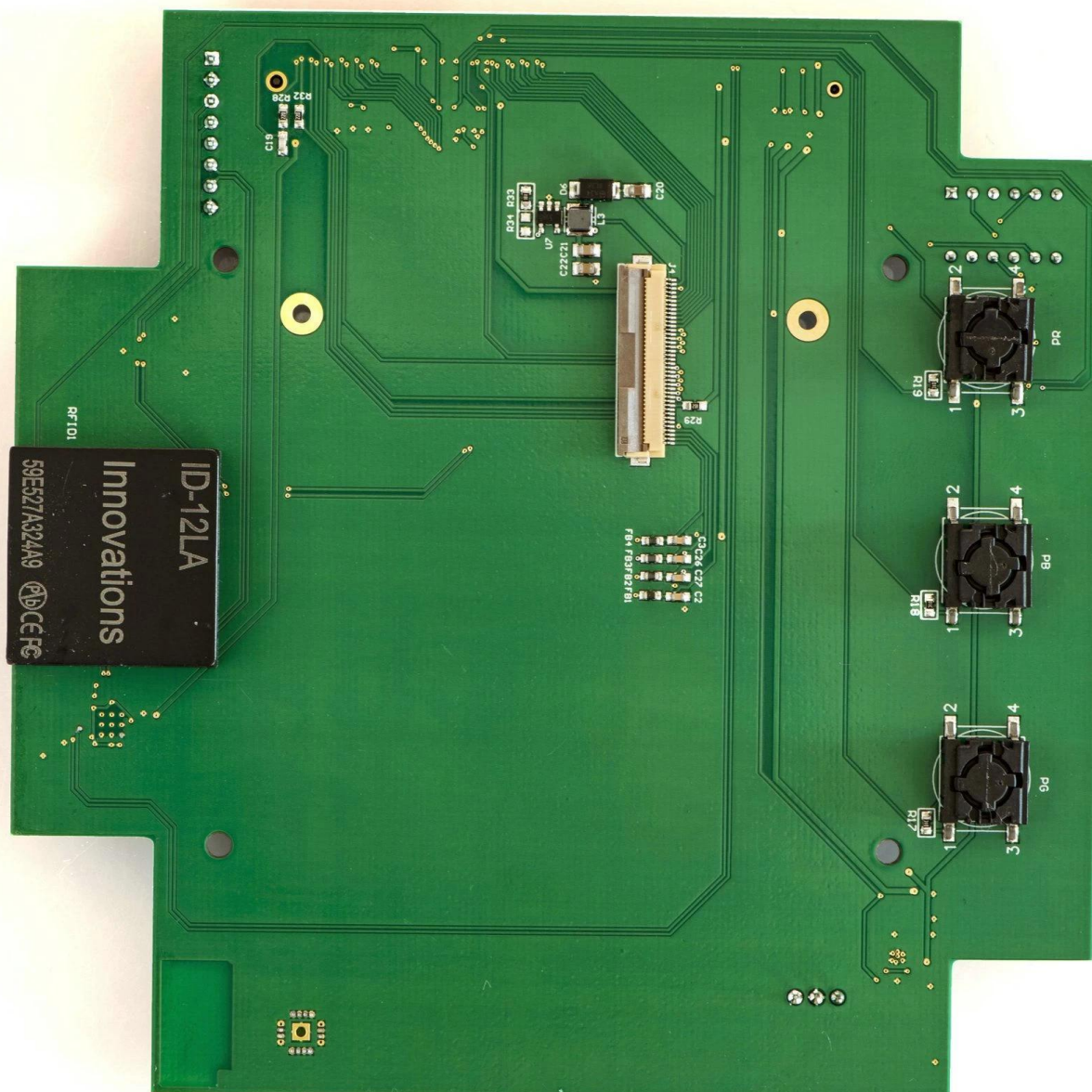
PCBA

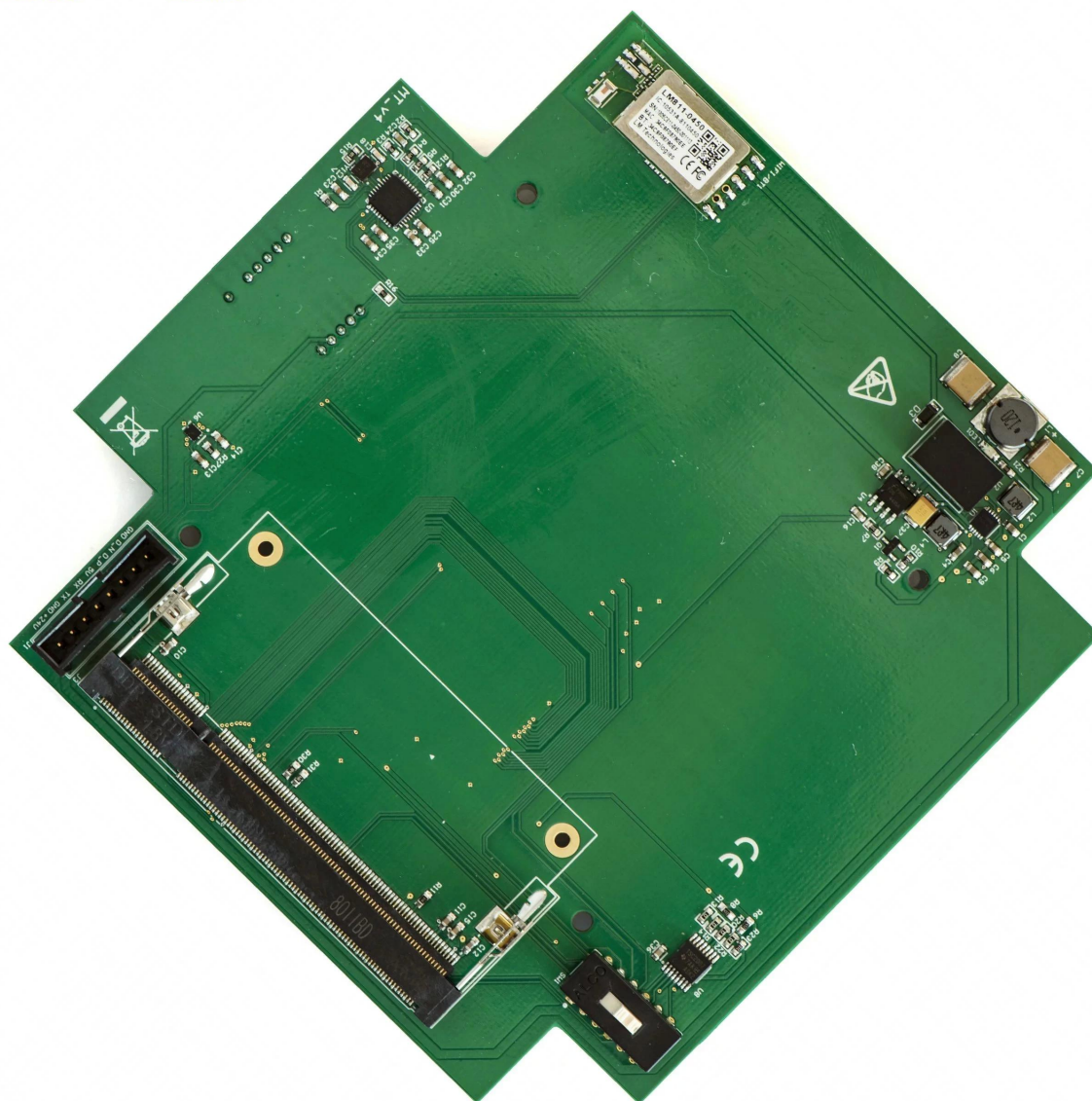


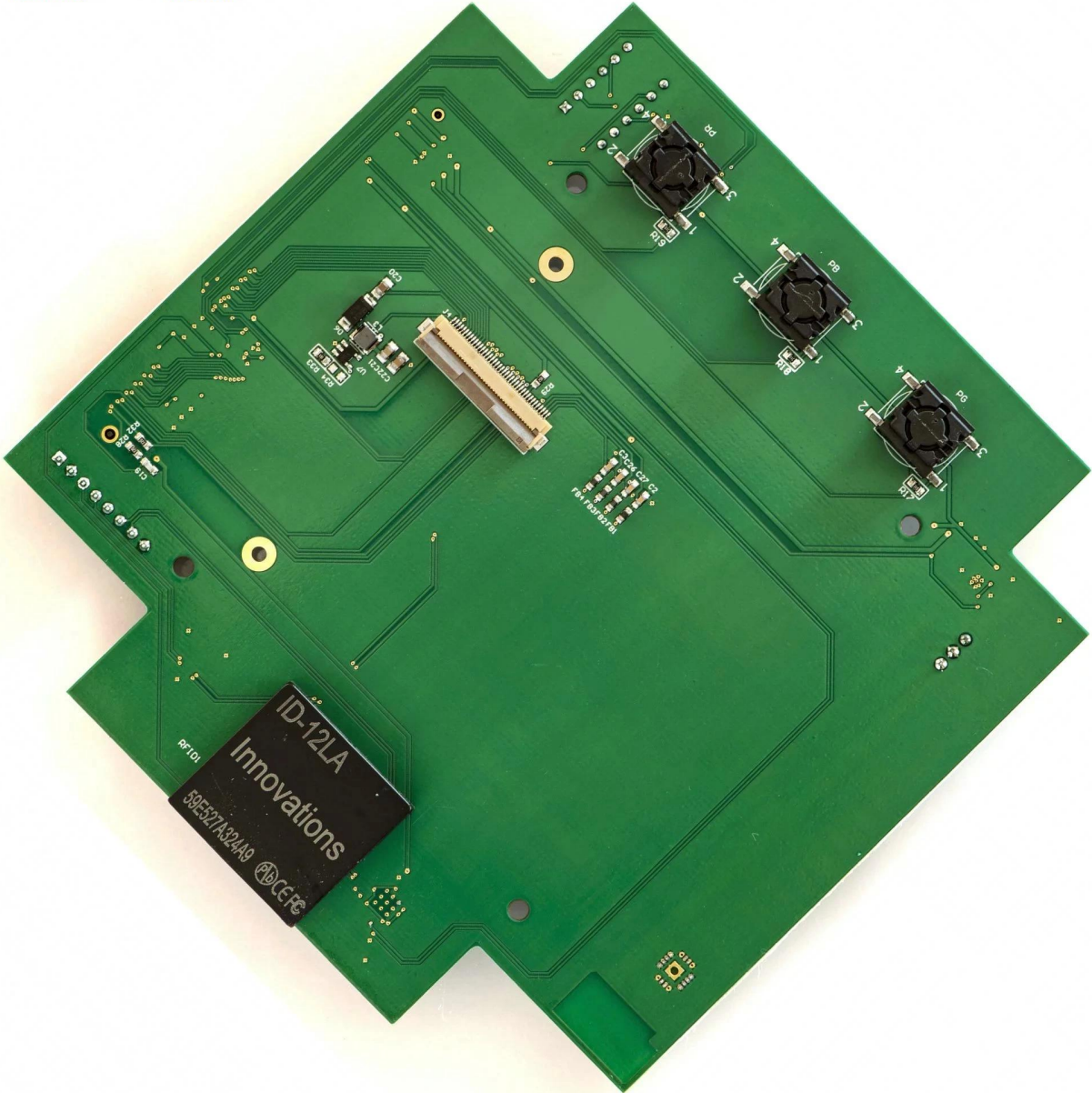
PCB











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







No. SZXEC1900530401

Date: 30 Mar 2019

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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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No. SZXEC1900530401

Date: 30 Mar 2019

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Test Results :

Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	SZX19-005304.001	Green™PCB

Remarks :

(1) $1 \text{ mg/kg} = 1 \text{ ppm} = 0.0001\%$

(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	Q27
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
Tri bromobiphenyl	-	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
Tri bromodiphenyl 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		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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PCB SMT

PCB 項目		SMT 項目	
PCB 層數	1 ~ 32 層	PCB 材料	FR-4, CEM-1, CEM-3, 其他材料
PCB 板厚	1 / 3oz-12oz	PCB 尺寸	510x460mm
PCB 板厚 / 公差	3.0mil / 3.0mil	PCB 板厚	50x50mm
PCB 板厚 / 公差	4.0mil / 4.0mil	PCB 板厚	0.5mm-4.5mm
PCB 板厚	10 : 1	PCB 板厚	0.5-4mm
PCB 板厚	0.2mm-5.0mm	PCB 板厚	0201
PCB 板厚 (mm)	635 * 1500mm	PCB 板厚	0603 尺寸
PCB 板厚	4mil	PCB 板厚	15mm
Plated 厚度	+/- 3mil	PCB 板厚	0.3mm
Blind / Buried Vias (All 尺寸)	0	PCB 板厚	0.4mm
PCB 板 (厚度, 公差)	0	PCB 板厚	+/- 0.03mm
PCB 板	FR-4, FR-4high Tg, 其他材料, 其他材料, 其他材料	PCB 板厚	
PCB 板	HASL, OSP, ENIG, HAL-LF, 其他材料, 其他材料, 其他材料	PCB 板厚	

Shipping service

Shipping service



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