

O-leading □ □ □ □ □ □

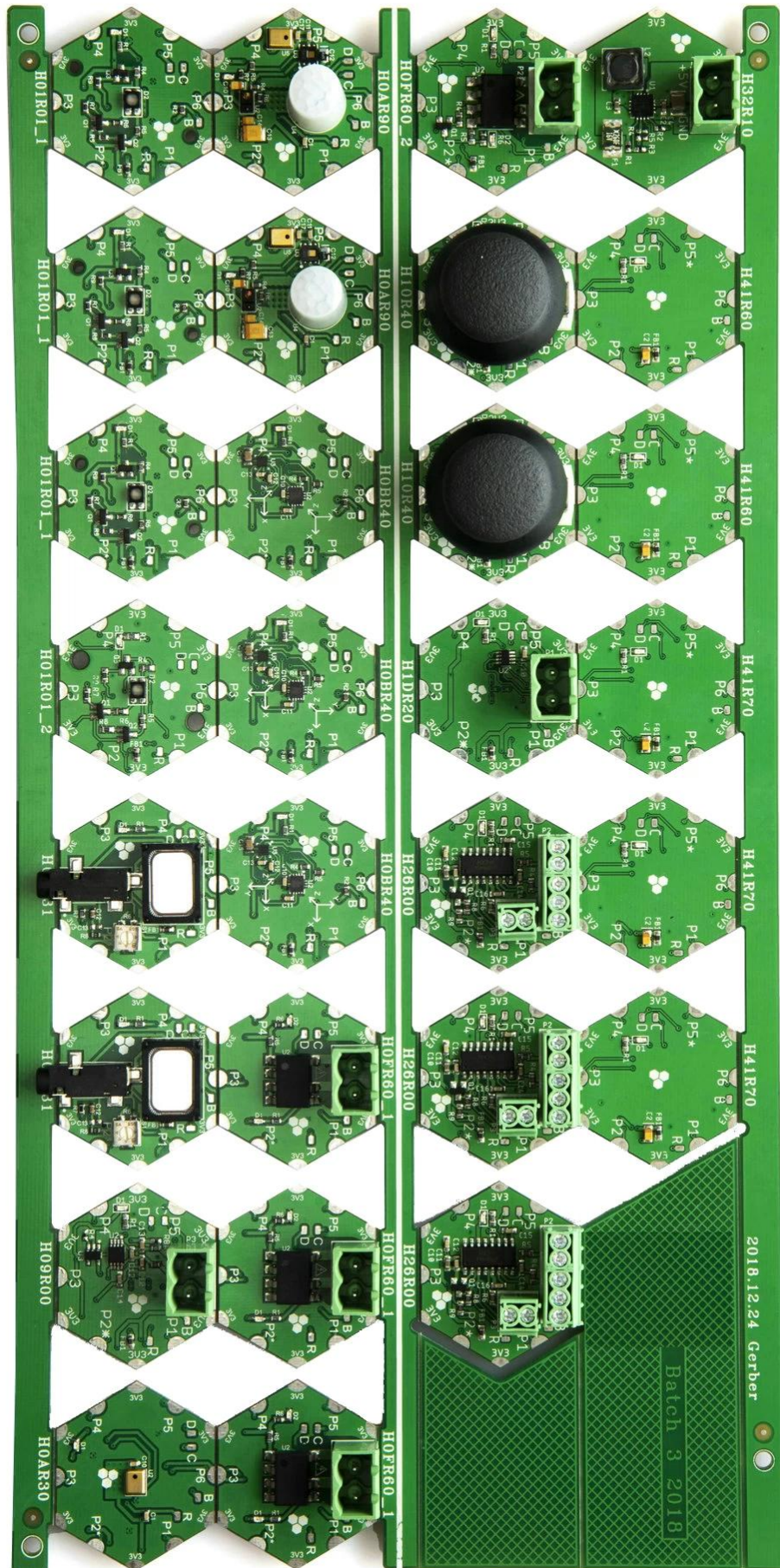
O-Leading PCB 製造, PCB 設計 及 PCB 組裝 (PCBA) 的 專業 EMS 服務商 及 全球 領先 的 製造 商. 我們 提供 HDI PCB, 剛性 PCB, Rigid-Flexible PCB 及 各種 其他 的 PCB 產品 服務. . 我們 的 專業 服務 及 製造 能力 為 您的 業務 提供 最佳 的 解決方案.

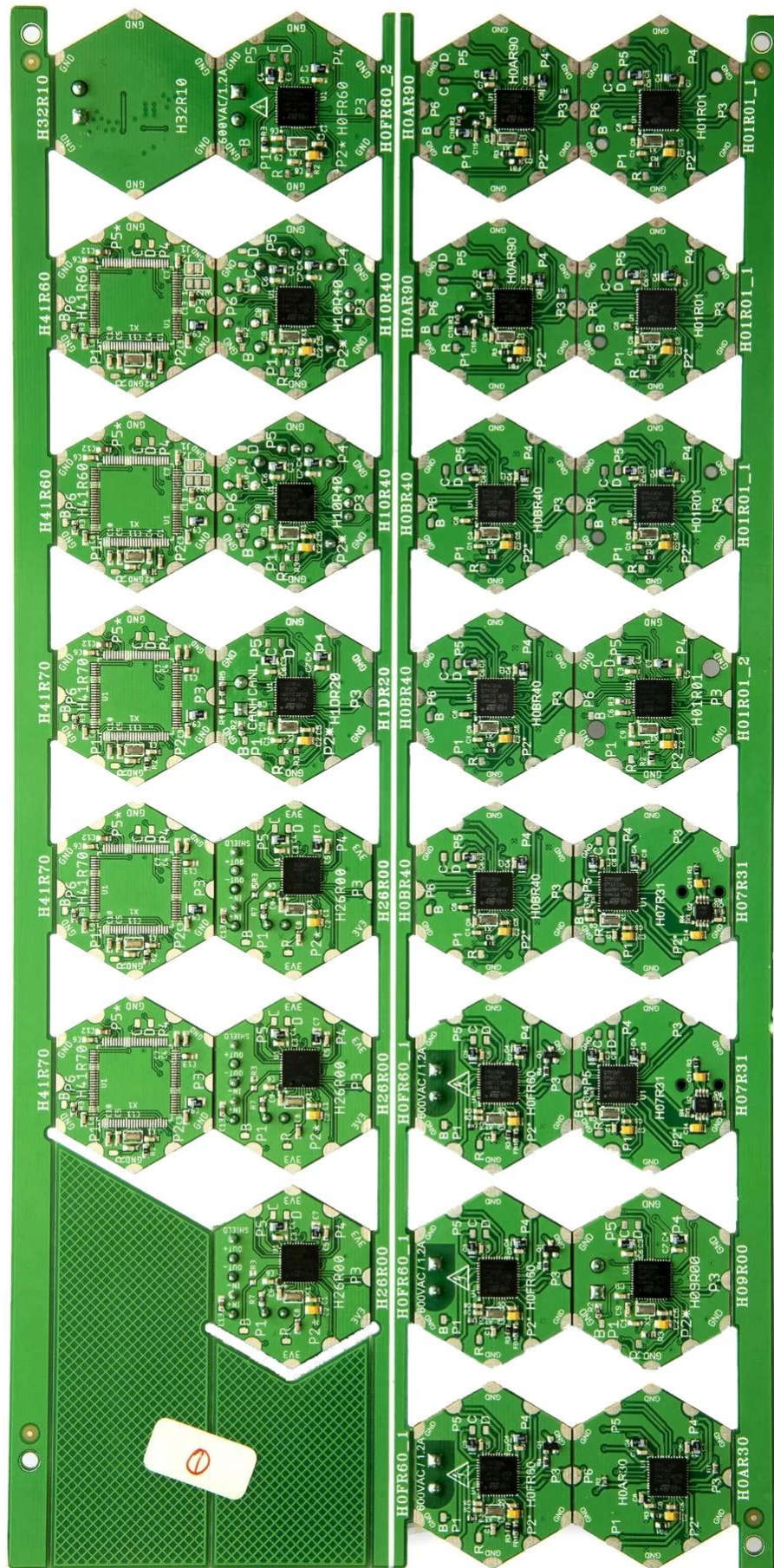
[illegible]

O-leading PCB 及 PCBA 之 鉛 質 含 量 應 符 合 國 家 標 準 之 有 關 規 定 。

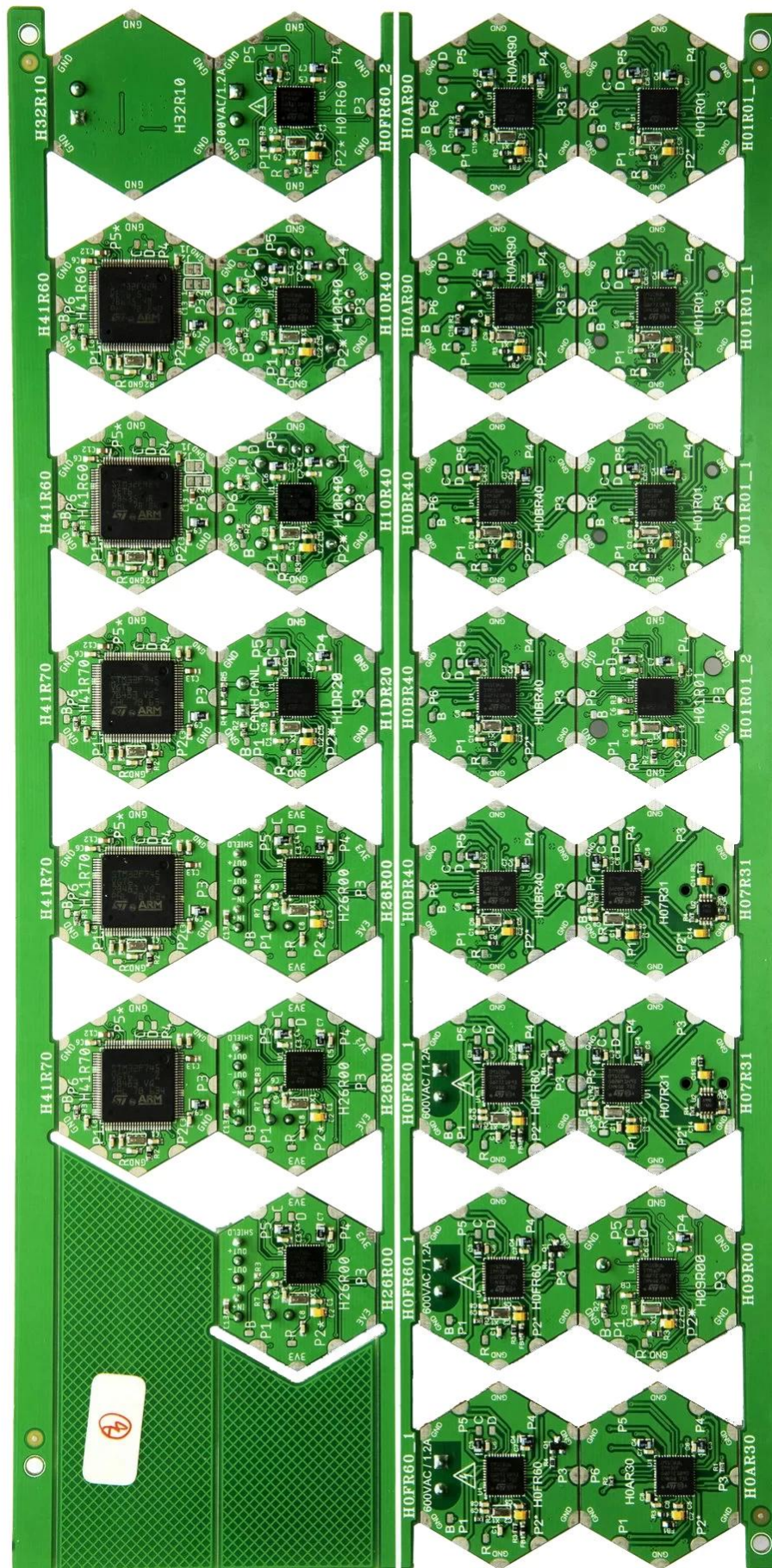
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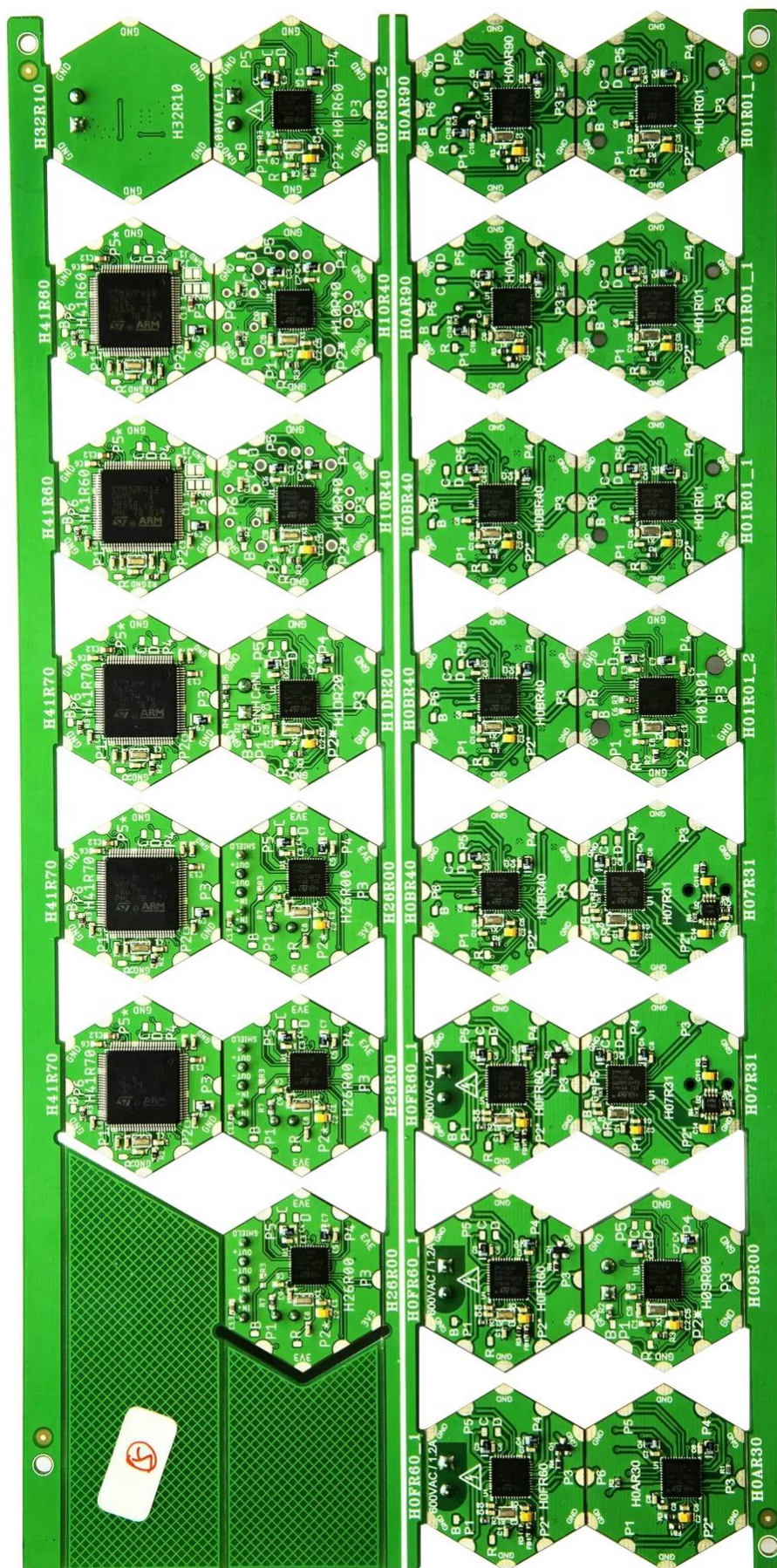
11 12



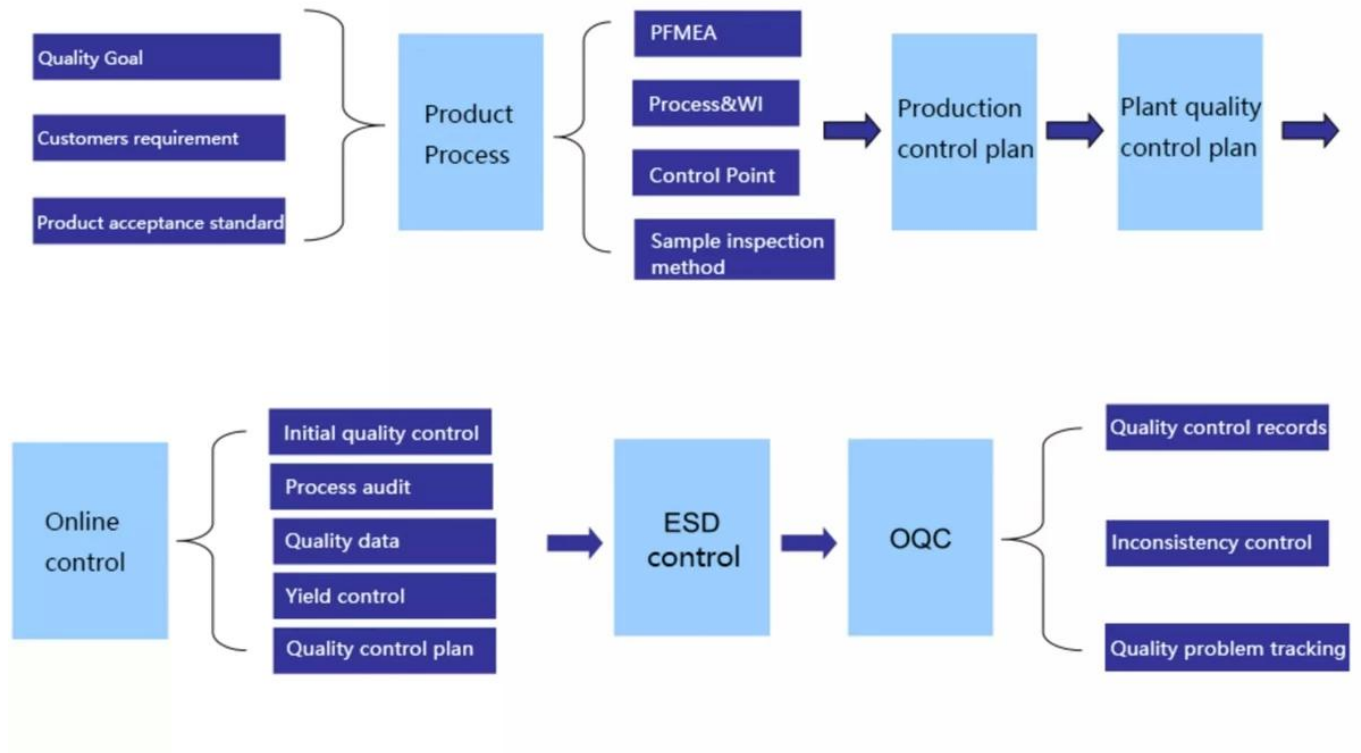












Market Share

CONSUMER ELECTRONICS

AUTOMOTIVE ELECTRONICS

INDUSTRIAL CONTROL

INTELLECTUALIZED HOUSEHOLD CONTROL

OTHER



30%
CONSUMER ELECTRONICS



18%
INTELLECTUALIZED HOUSEHOLD CONTROL

20%
AUTOMOTIVE ELECTRONICS



12%
OTHER

20%
INDUSTRIAL CONTROL





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

Tina Fan
Approved Signatory



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Test Report

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

PCB 材料	
銅厚	1 ㎛ -32 ㎛
銅箔重量	1 / 3oz-12oz
銅箔厚度 / 銅厚	3.0mil / 3.0mil
銅箔厚度 / 銅厚	4.0mil / 4.0mil
Max Aspect Ratio	10 : 1
銅厚	0.2mm ~ 5.0mm
銅箔厚度 (mm)	635 * 1500mm
銅箔厚度 (mm)	400 ㎛
Plated 銅厚	+/- 3mil
Blind / Buried Via (All 銅)	0
Via Fill (銅箔, 銅厚)	0
銅厚	FR-4, FR-4high Tg, 銅箔厚度, 銅厚, Polyimide, 銅厚
銅厚	HASL, OSP, ENIG, HAL-LF, Immersion silver,Immersion 銅, 銅厚, 銅厚

SMT 規格

PCB 材料	FR-4, CEM-1, CEM-3, 銅箔厚度 銅厚
銅 PCB 厚度	510x460mm
銅 PCB 厚度	50x50mm
PCB 厚度	0.5mm-4.5mm
銅厚	0.5-4mm
銅厚 銅厚 銅厚	0201
銅厚 銅厚 銅厚 銅厚	0603 銅厚
銅厚 銅厚 銅厚	15mm
銅厚 銅厚	0.3mm
銅 BGA 銅厚	0.4mm
銅厚	+/- 0.03mm

PCB 規格

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 品質管理 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- 品質管理, AOI (品質管理 何をしますか？) 品質管理 ICT (品質管理 何をしますか？).

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？

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3. O-Leading 品質管理 何をしますか？

品質管理 FR4, 品質管理 TG 品質管理 何をしますか？, Rogers, Arlon, Telfon, 品質管理 / 品質管理 何をしますか？, PI 品質管理

13. □□□□ □□□ □□□□□□?

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