

O-leading PCB 專業 製造 服務

O-Leading PCB 專業, PCB 製造 PCB 組裝 (PCBA) 專業 EMS 服務 專業 專業 專業 專業 專業 HDI PCB, 專業 PCB, 專業-專業 PCB 專業 專業 PCB 專業 專業. 專業 專業 專業 專業 專業 專業 專業 專業 專業 專業.

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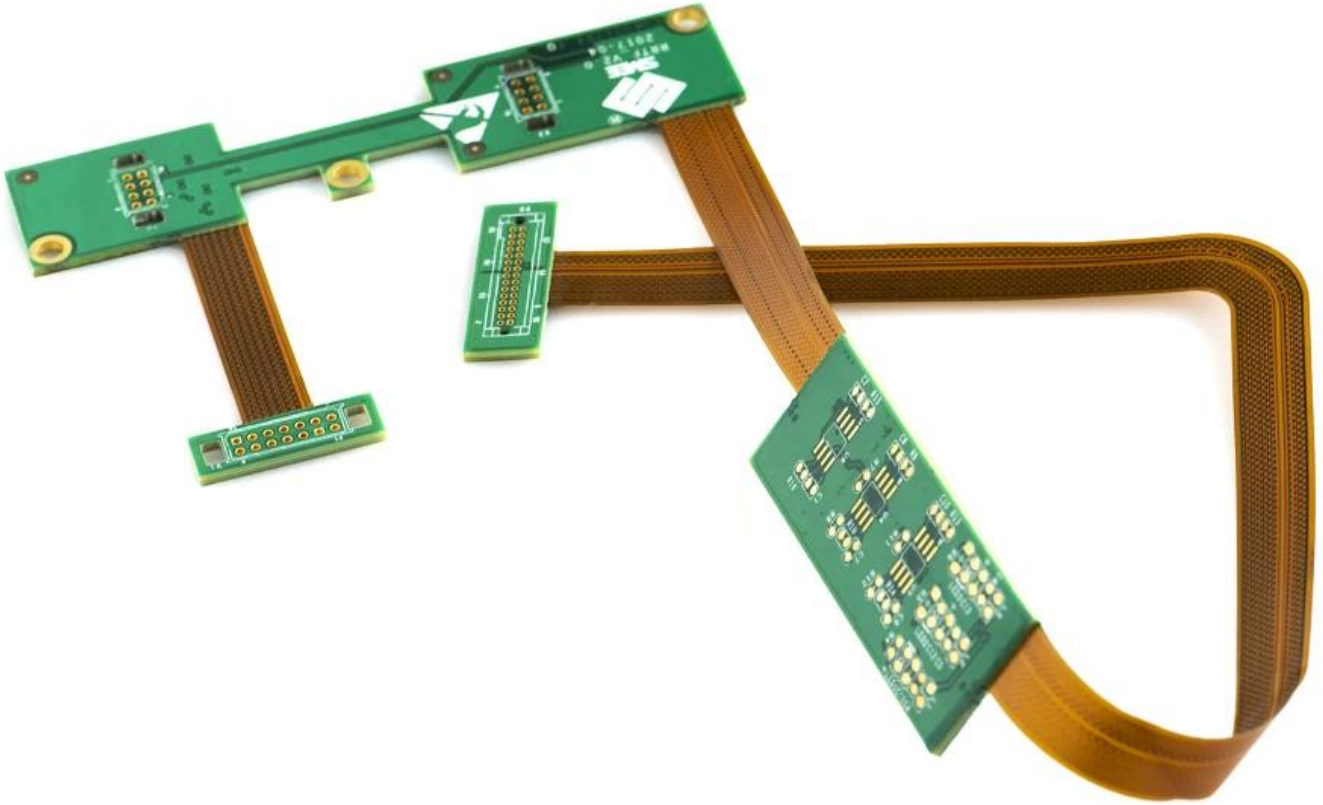
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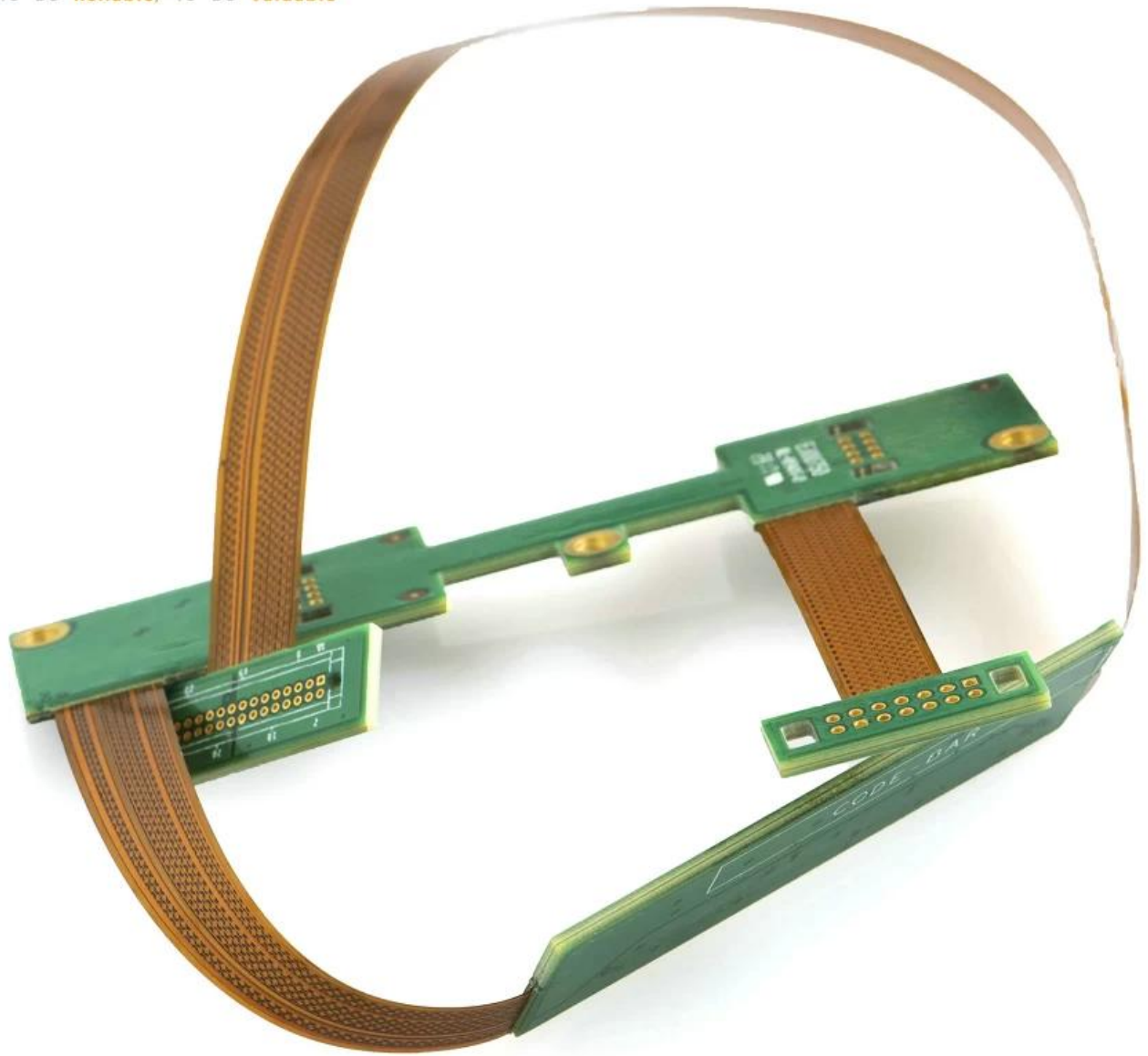


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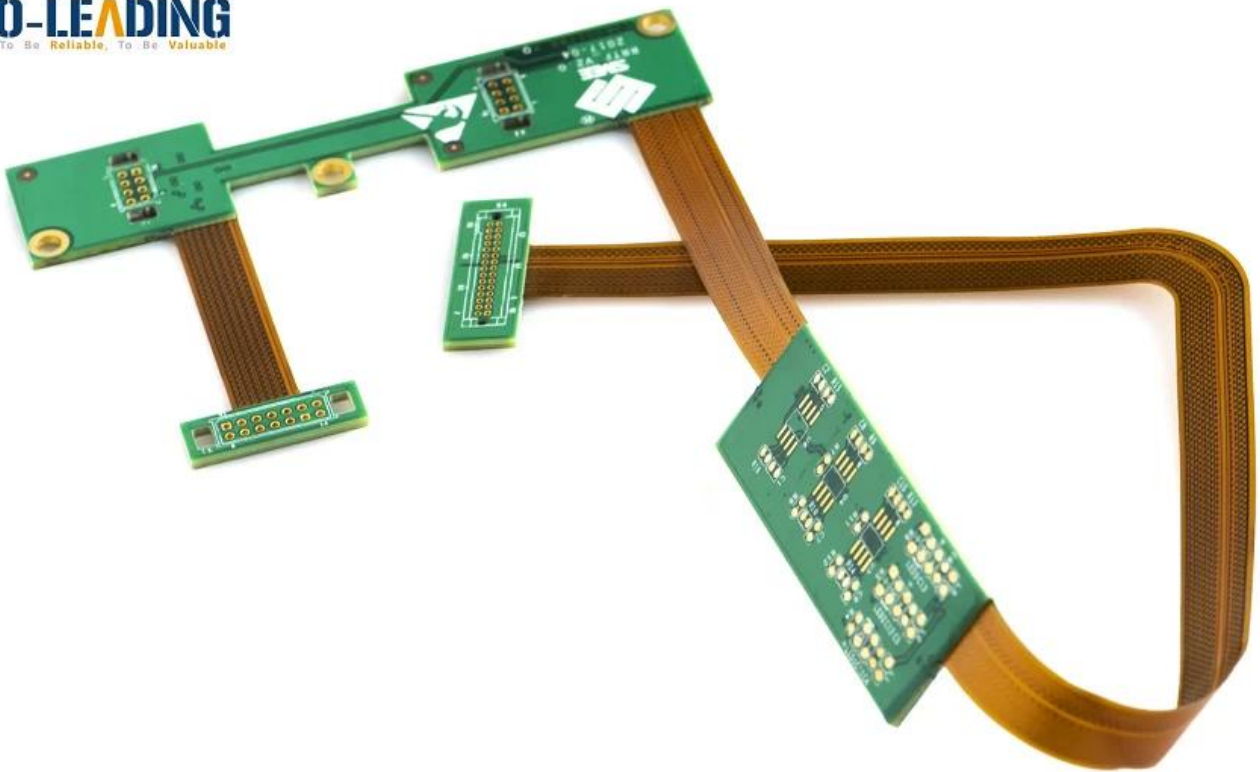
O-LEADING
To Be Reliable, To Be Valuable

China Rigid-Flexible PCB Expert



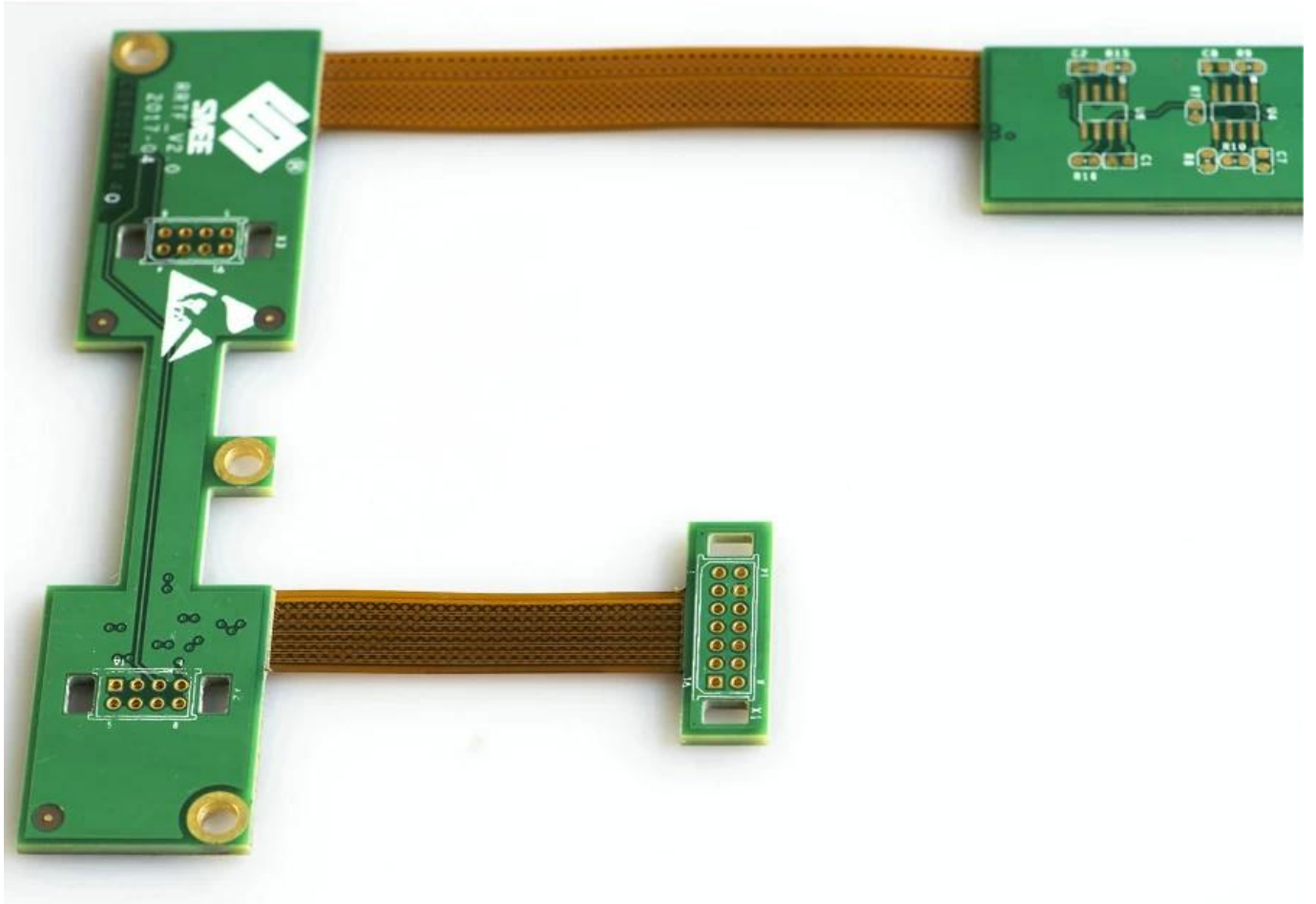


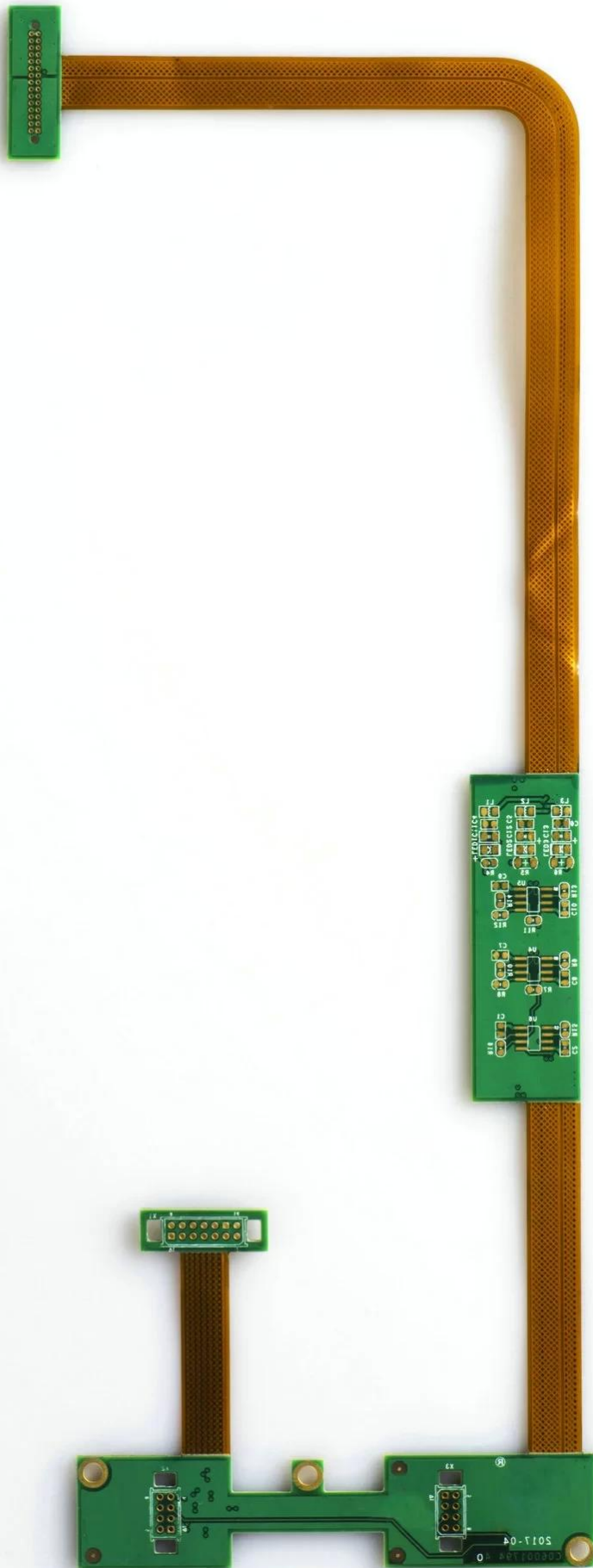
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Production Process

18 years experience in one-stop PCB and PCBA, we can make your idea come true,



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



Skyworth 创维

HET 和而泰
HET INTELLIGENT CONTROL

dongweikeji
东威科技

美的 Midea

STAR-NET
星网锐捷

FORYOU
ADAYO 华阳集团

EDIFIER®

Cultraview 金锐显

3nod 三诺

T&W

TCL

AcBel 康舒科技
ACBEL POLYTECH INC.

Honeywell

Schneider
Electric

ZTE 中兴

EMERSON

BYD

PHILIPS

TE
connectivity

VIDEOTON



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 tests(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 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, 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	0/1
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			SS/ DS/ DSO	Max	Max		Meets UL796	C T	
	Min	Cond	Area		Solder	Oper	Flame			
	mm(in)	Edge mm(in)	Thk mic(mil)		Diam mm(in)	Limits C sec				Temp C
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 规格	
层数	1-32
铜厚	1 / 3oz-12oz
外层 / 内层	3.0mil / 3.0mil
外层 / 内层	4.0mil / 4.0mil
孔径	10 : 1
板厚	0.2mm-5.0mm
板宽 (mm)	635 * 1500mm
表面处理	4mil
Plated 厚度	+/- 3mil
Blind / Buried Vias (All)	□
盲孔 (mm, 直径)	□
材料	FR-4, FR-4high Tg. 其他材料, 铜, 铝, 不锈钢, 钛, 其他
表面处理	HASL, OSP, ENIG, HAL-LF, 其他, 其他, 其他

SMT 规格	
PCB 材料	FR-4, CEM-1, CEM-3, 其他材料
PCB 尺寸	510x460mm
PCB 尺寸	50x50mm
PCB 厚度	0.5mm-4.5mm
孔径	0.5-4mm
孔径	0201
孔径	0603
孔径	15mm
孔径	0.3mm
孔径 BGA	0.4mm
孔径	+/- 0.03mm



Shipping service



4. PCB 及 PCBA 的製造過程是什麼?

- 4.1 物料清單 BOM (Bill of Materials) : 物料清單, 物料清單表 及 物料清單.
- 4.2 PCB Gerber 檔案.
- 4.3 PCB 的製造及 PCBA 的製造.
- 4.4 物料清單.
- 4.5 物料清單 及 物料清單 的製造過程.

5. PCB 的製造過程是什麼?

物料清單 → 物料清單表 → 物料清單 → PCB AOI → 物料清單 → 物料清單 → PTH → 物料清單 → 物料清單 → 物料清單 → 物料清單 → PCB AOI → 物料清單 → 物料清單 → 物料清單 → 物料清單 → E / T → 物料清單.

6. HDI 的製造過程是什麼?

物料清單 物料清單 : 物料清單, VCP 物料, 物料清單, LDI 物料清單 物料清單 物料清單, 物料清單 物料清單 Mitsubishi Hitachi, LDI 物料清單 Screen (Japan), 物料清單 Hitachi 物料清單, 物料清單 物料清單 物料清單 物料清單.

7. O-lead 的製造過程是什麼?

O-lead 物料清單 ENIG, OSP, LF-HASL, 物料清單 (物料 / 物料), 物料清單, 物料清單, 物料清單 物料清單, 物料清單 物料清單 物料清單 物料清單 物料清單. HDI 物料清單 物料清單 OSP, ENIG, OSP + ENIG, BGA PAD 物料清單 0.3 mm 物料清單 物料清單 物料清單 物料清單 OSP OSP + ENIG 物料清單 物料清單.

8. FPC 的製造過程是什麼? O-Leading 及 SMT 的製造過程是什麼?

O-Leading 物料清單 8 物料清單 FPC 物料清單 物料清單, 物料清單 物料清單 2000mm * 240mm 物料清單. 物料清單 "Flex Capability" 物料清單 物料清單. 物料清單 物料清單 SMT 物料清單 物料清單 物料清單.

9. PCB 的製造過程是什麼?

- 物料清單;
- 物料清單;
- 物料清單;
- 物料清單 物料清單;
- PCB 物料清單;
- 物料清單;
- 物料清單 物料清單.

10. PCB, PWB 及 FPC 的製造過程是什麼?

PCB 物料清單 物料清單 物料清單.
PWB 物料清單 物料清單 物料清單 物料清單 物料清單.
FPC Flexible Printed Board 物料清單.

11. PCB 的製造過程是什麼?

PCB 物料清單 物料清單 物料清單 物料清單.
物料清單 Tg 物料清單 物料清單 物料清單.
物料清單 CTE 物料清單 物料清單 物料清單 物料清單;
物料清單 物料清單 : 物料清單 PCB 物料清單 50 物料清單 250 °C 物料清單.
物料清單; 物料清單 物料清單 物料清單 / 物料清單 物料清單 PCB 物料清單. 物料清單 PCB 物料清單 物料清單 物料清單 物料清單; 物料清單 物料清單 物料清單 物料清單 物料清單 物料清單.

12. O-leading 的製造過程是什麼?

O-leading 物料清單 物料清單 PCB FPC PCB 物料清單 物料清單 物料清單 物料清單 物料清單. 物料清單 物料清單 物料清單 物料清單 物料清單 物料清單 物料清單 物料清單 物料清單 物料清單.

13. 物料清單 物料清單 物料清單?

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