

## O 服务

O-Leading 提供 PCB 设计、PCB 制造及 PCB 组装 (PCBA) 服务。EMS 服务包括 24 小时技术支持、快速交货、HDI PCB、多层 PCB、柔性 PCB、刚柔 PCB 及 PCB 测试服务。我们拥有专业的工程团队，为您提供从设计到生产的全方位服务。

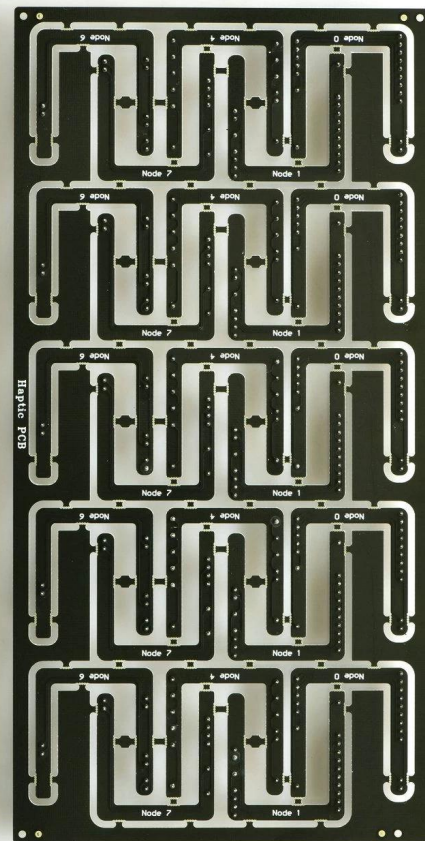
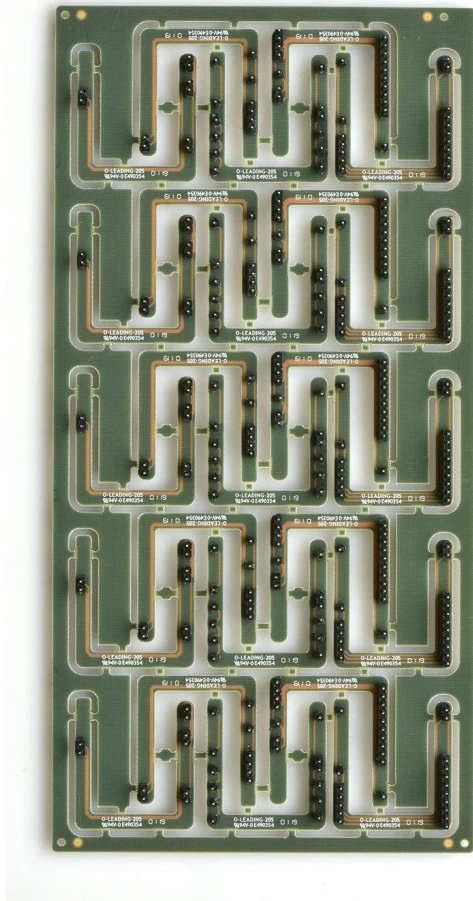
我们的服务包括：设计、制造、测试、组装、物流。我们拥有先进的生产设备，确保您的产品能够按时、按质交付。O 服务，让您的产品更具竞争力。

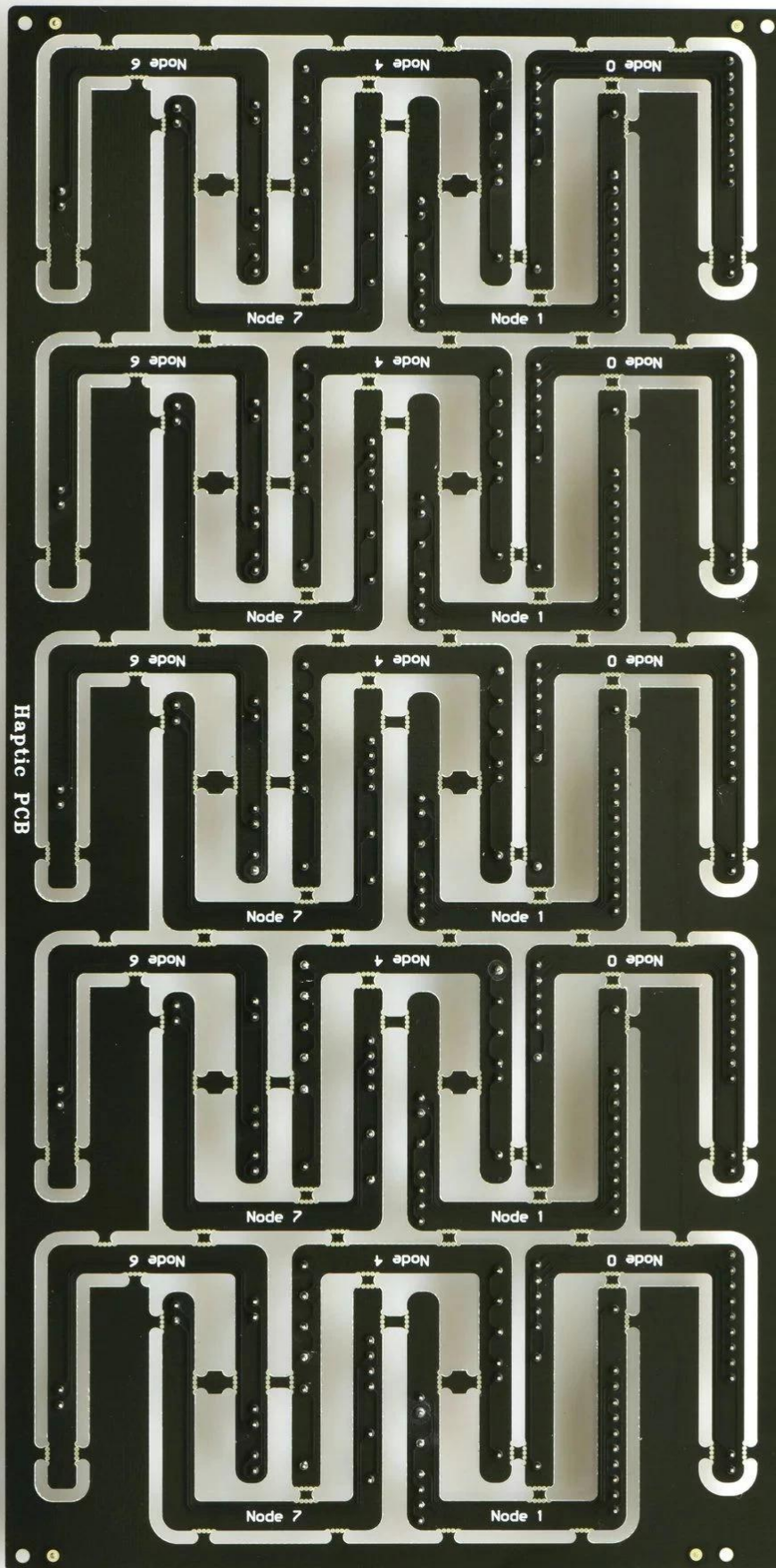
我们 O-leading 拥有专业的工程团队，为您提供从设计到生产的全方位服务。我们拥有先进的生产设备，确保您的产品能够按时、按质交付。O 服务，让您的产品更具竞争力。

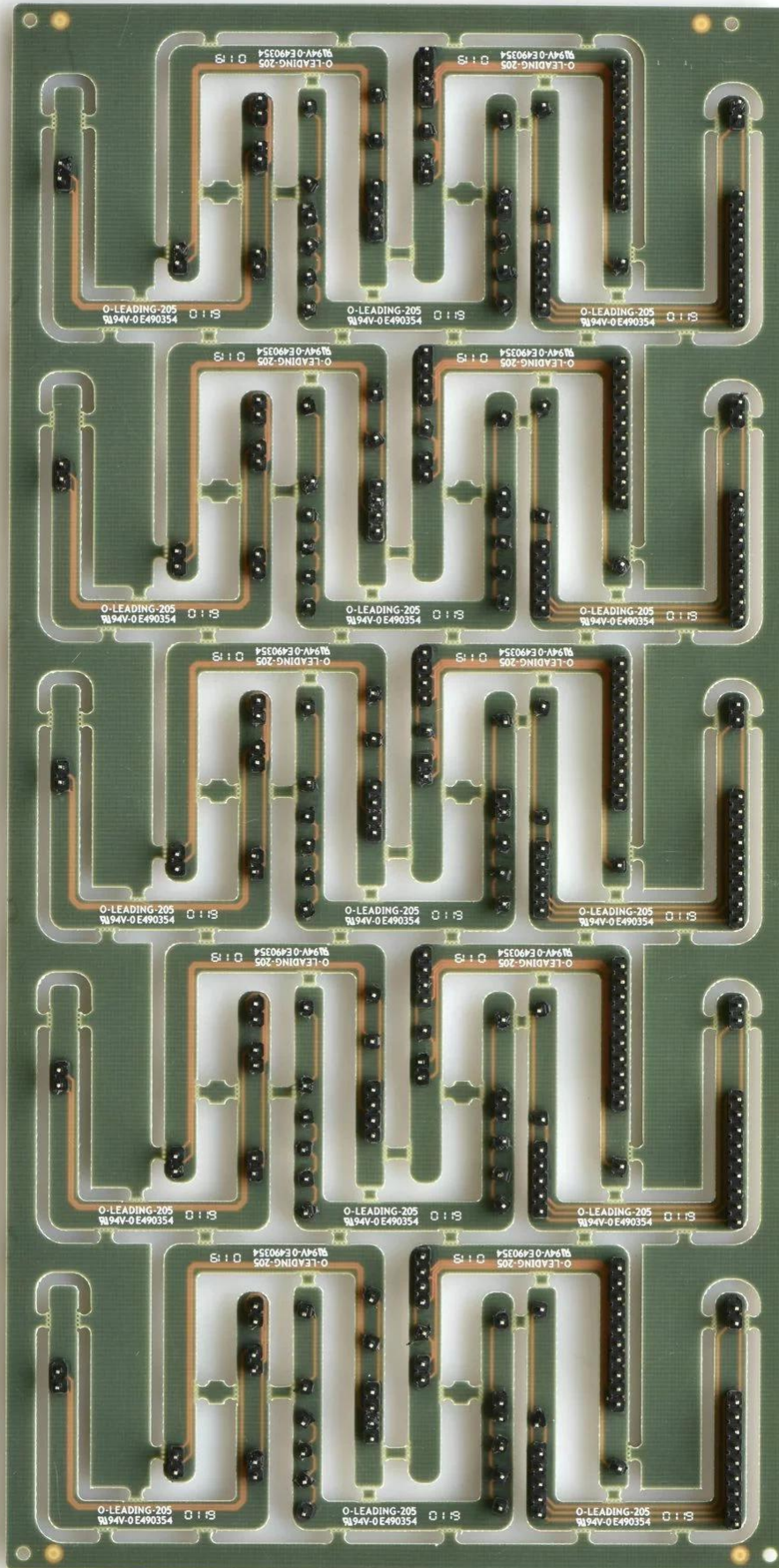
我们拥有专业的工程团队，为您提供从设计到生产的全方位服务。[OEM](#) 服务、[PCBA](#) 服务、[PCB](#) 服务。

## 服务

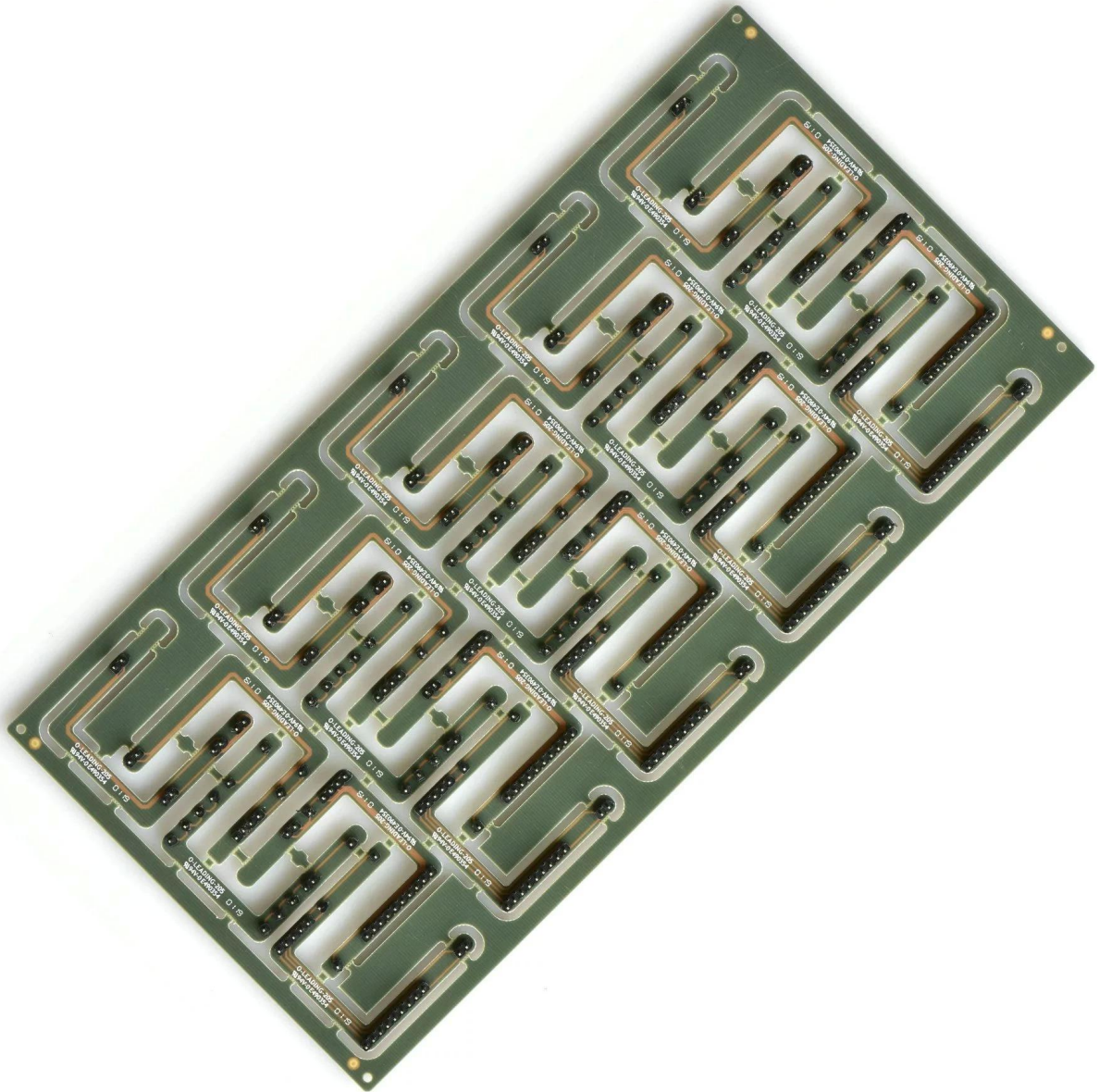
**O-LEADING**  
To Be Reliable, To Be Valuable

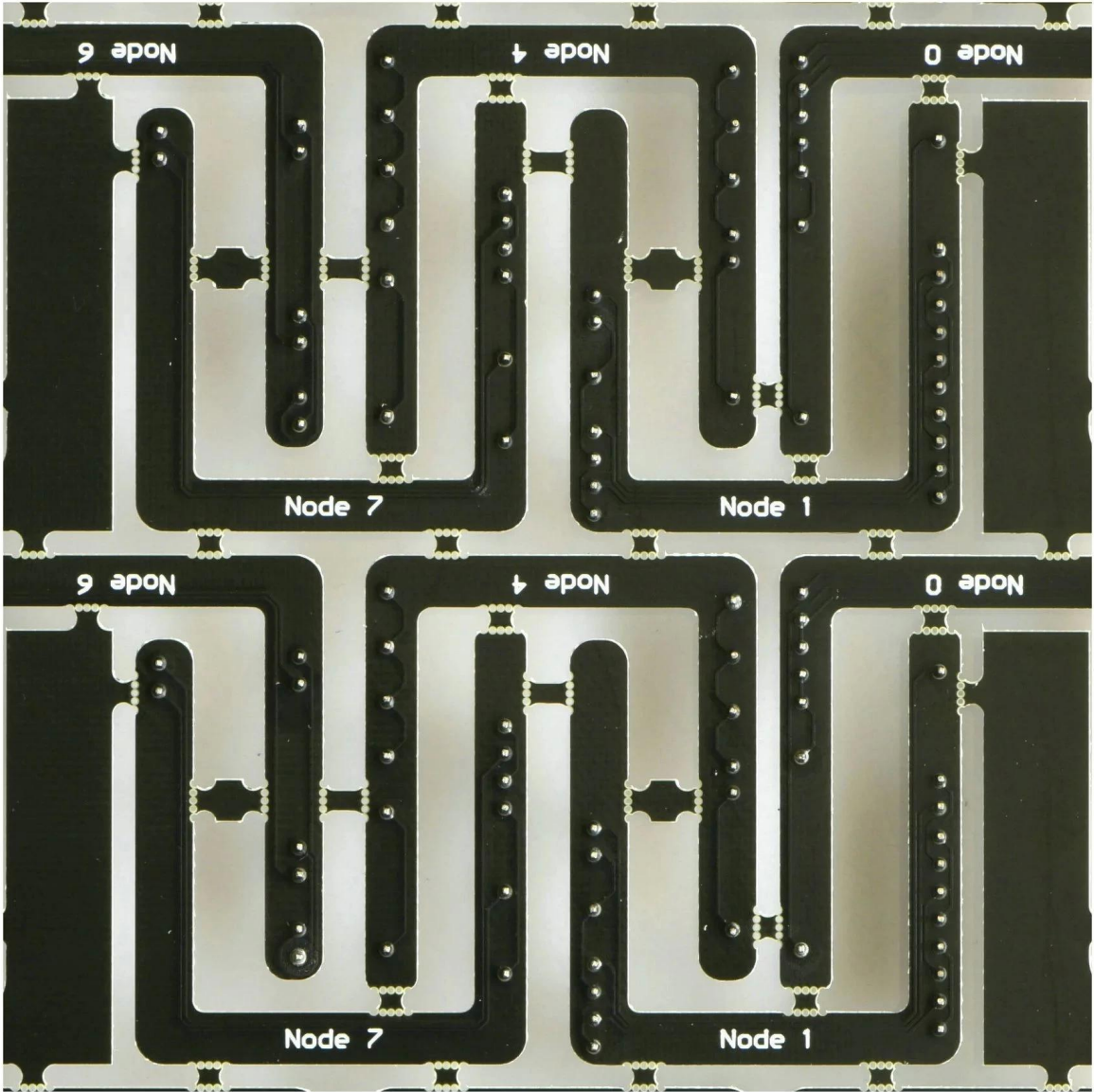


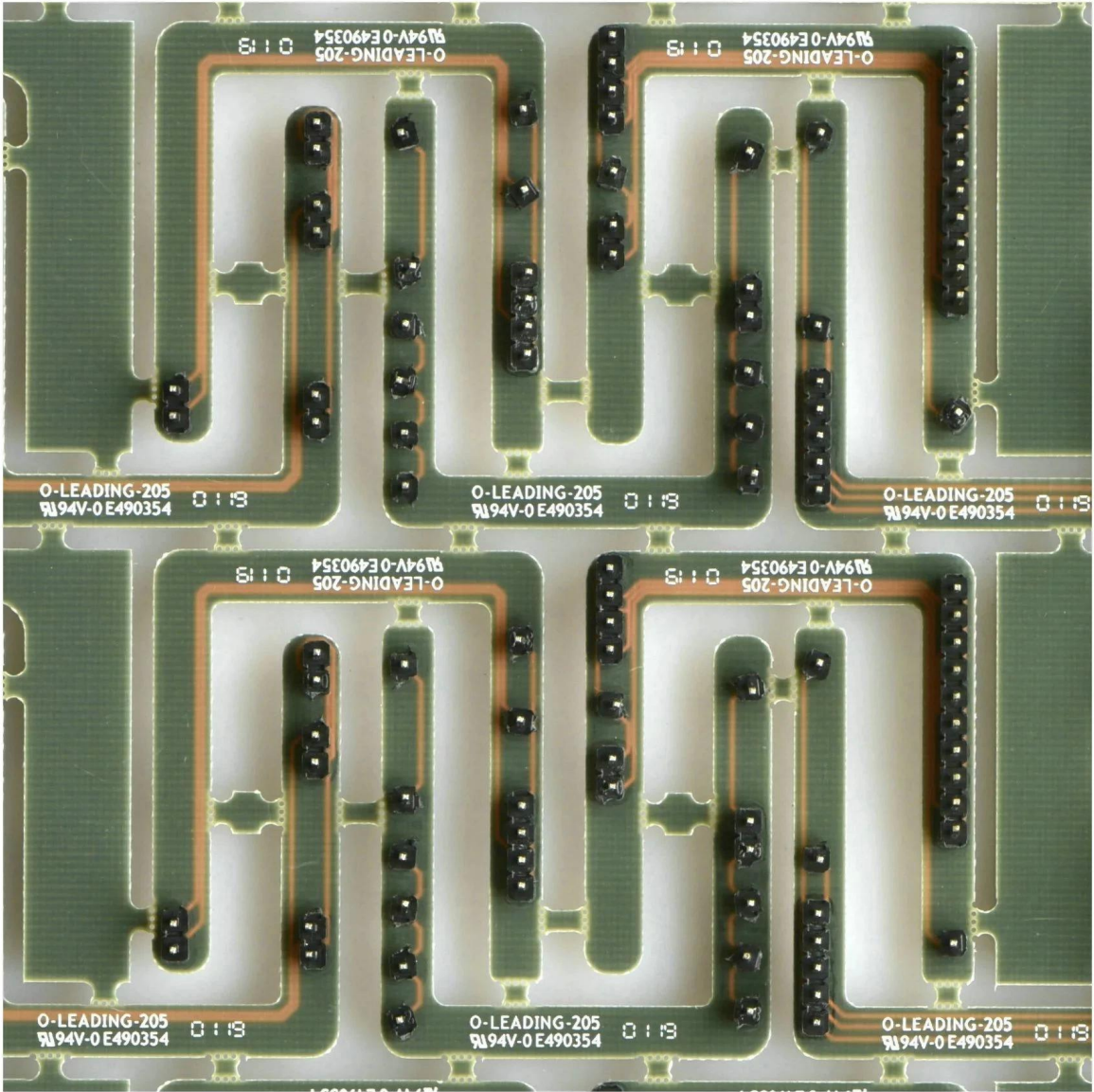


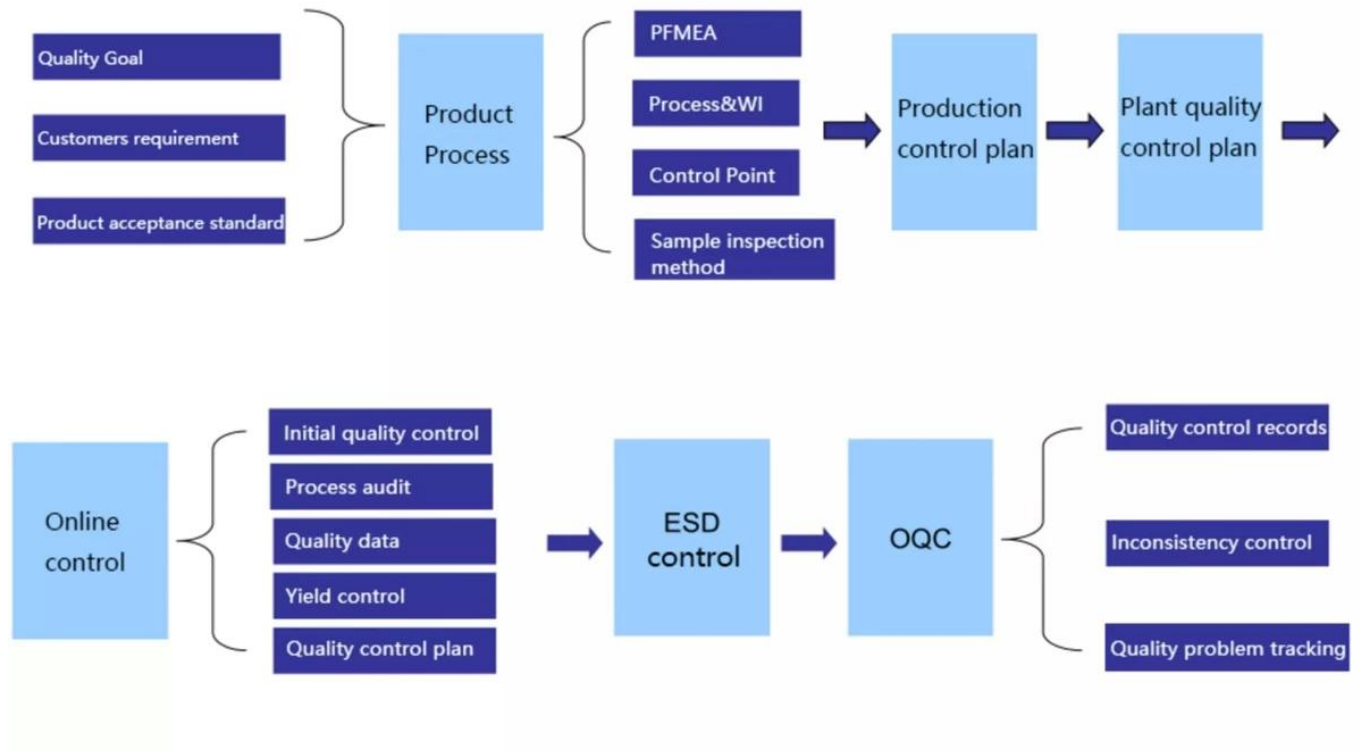












# Market Share

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

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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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For more information, please contact our sales representative. Please contact us at telephone: (86-755) 8307 1442 or email: [CHN.Sales@sgs.com](mailto:CHN.Sales@sgs.com)

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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  |
| 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<br>Thk<br>mic(mil) | SS/<br>DS/<br>DSO | Max        |        | Max  |       | Meets<br>UL796<br>Class | C<br>T<br>DSR | I |
|---------------------------------------------------|---------------|---------------|-------------------------|-------------------|------------|--------|------|-------|-------------------------|---------------|---|
|                                                   | Min           | Min           |                         |                   | Area       | Solder | Oper | Flame |                         |               |   |
|                                                   | mm(in)        | mm(in)        |                         |                   | Diam       | Limits | Temp | 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)<br>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

|                      |              |              |           |    |            |     |   |     |     |     |   |
|----------------------|--------------|--------------|-----------|----|------------|-----|---|-----|-----|-----|---|
| <b>O-LEADING-S02</b> | 0.2 (0.008)  | 0.2 (0.008)  | 17 (0.67) | SS | 25.4 (1.0) | 260 | 4 | 130 | HB  | ▲   | * |
| <b>O-LEADING-S03</b> | 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 種類                      |                                              |
| 層数                          | 1Layer-32Layer                               |
| 銅厚 (mm)                     | 1 / 3oz-12oz                                 |
| 銅厚 (mil) / 銅厚 (mm)          | 3.0mil / 3.0mil                              |
| 銅厚 (mil) / 銅厚 (mm)          | 4.0mil / 4.0mil                              |
| 銅厚 (mm)                     | 10 : 1                                       |
| 銅厚 (mm)                     | 0.2mm-5.0mm                                  |
| 銅厚 (mm) (最小)                | 635 * 1500mm                                 |
| 銅厚 (mm) (最大)                | 4mil                                         |
| Plated 銅厚                   | +/- 3mil                                     |
| Blind / Buried Vias (All 銅) | 銅                                            |
| 銅厚 (銅厚, 銅厚)                 | 銅                                            |
| 銅厚                          | FR-4, FR-4high Tg. 銅厚 銅厚, 銅厚, 銅厚銅厚銅厚銅厚銅厚, 銅厚 |
| 銅厚                          | HASL, OSP, ENIG, HAL-LF, 銅厚銅厚銅厚, 銅厚銅厚銅厚銅厚    |

SMT 規格

|             |                            |
|-------------|----------------------------|
| PCB 種類      | FR-4, CEM-1, CEM-3, 銅厚銅厚銅厚 |
| 銅厚 PCB 種類   | 510x460mm                  |
| 銅厚 PCB 種類   | 50x50mm                    |
| PCB 種類      | 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                      |
| 銅厚 BGA 銅厚   | 0.4                        |
| 銅厚 銅厚       | +/- 0.03mm                 |

銅厚 銅厚 銅厚

# 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 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, Rogers, Arlon, Telfon, 品質管理 / 品質管理 品質, PI 品質



0000 00 0000 00 000 00, SI6000 soft 0 POLAR INSTRUMENTS0 CITS 500s 000 0000 00000.  
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