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〇〇〇〇 O-Leading 〇〇〇〇〇 〇〇〇〇〇 〇〇 〇〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇 EMS 〇 〇〇〇〇〇 〇〇〇〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇 〇〇〇 〇〇 〇〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇 〇 〇〇〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇 〇 〇〇〇〇〇〇〇 (PCBA) 〇 〇〇〇〇 〇〇〇〇 〇〇〇 〇〇 〇〇〇 〇 〇〇〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇 〇〇〇〇 〇〇〇〇〇〇 HDI PCBs 〇 〇 PCB 〇 〇 〇〇〇〇〇〇〇〇 〇〇〇〇〇 PCBs 〇〇〇〇〇〇〇〇 〇〇〇〇〇〇〇〇 〇〇〇 〇〇〇〇〇〇〇〇〇 〇〇〇〇〇〇〇 〇〇 〇〇〇〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇. 〇〇〇〇〇〇〇 〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇.

SMD Led Light PCB Factory for Led Grow Light

በሚከተለው ምሳሌ ውስጥ የተሰጠውን የፋይል ድንጋጌ ይጻፉ፡ የፋይል ድንጋጌው የሚጠቀሙትን የፋይል ስራዎች በፋይል ድንጋጌው ውስጥ ይጻፉ፡

[illegible]

000000_000000_00000000_000000_00000000_000000:0000000000 00 000000 0000 0000 000000 0000
00000000_000000 **pcba** 00000000_00000000_00000000

The image is a composite of two promotional banners for O-LEADING. The top banner features a dark blue background with a glowing network of white lines. On the right, a large green high-density interconnect PCB is shown. Below it, a row of seven different types of interconnect components is displayed. On the left, the O-LEADING logo is at the top, followed by the tagline 'To Be Reliable, To Be Valuable' and a dark blue button with the text 'WE ALWAYS PROVIDE YOU'. Below this is a dark blue rounded rectangle containing the text 'BEST HIGH DENSITY INTERCONNECT PCB'. The bottom banner has a space-themed background with a blue sky, stars, and planets (Mars and Jupiter). A hand is holding a green rigid-flexible circuit board. Two red laser lines point to specific components on the board. On the left, the O-LEADING logo and tagline are repeated, followed by a dark blue button with 'WE ALWAYS PROVIDE YOU'. Below this is a dark blue rounded rectangle with the text 'BEST RIGID-FLEXIBLE CIRCUIT'.

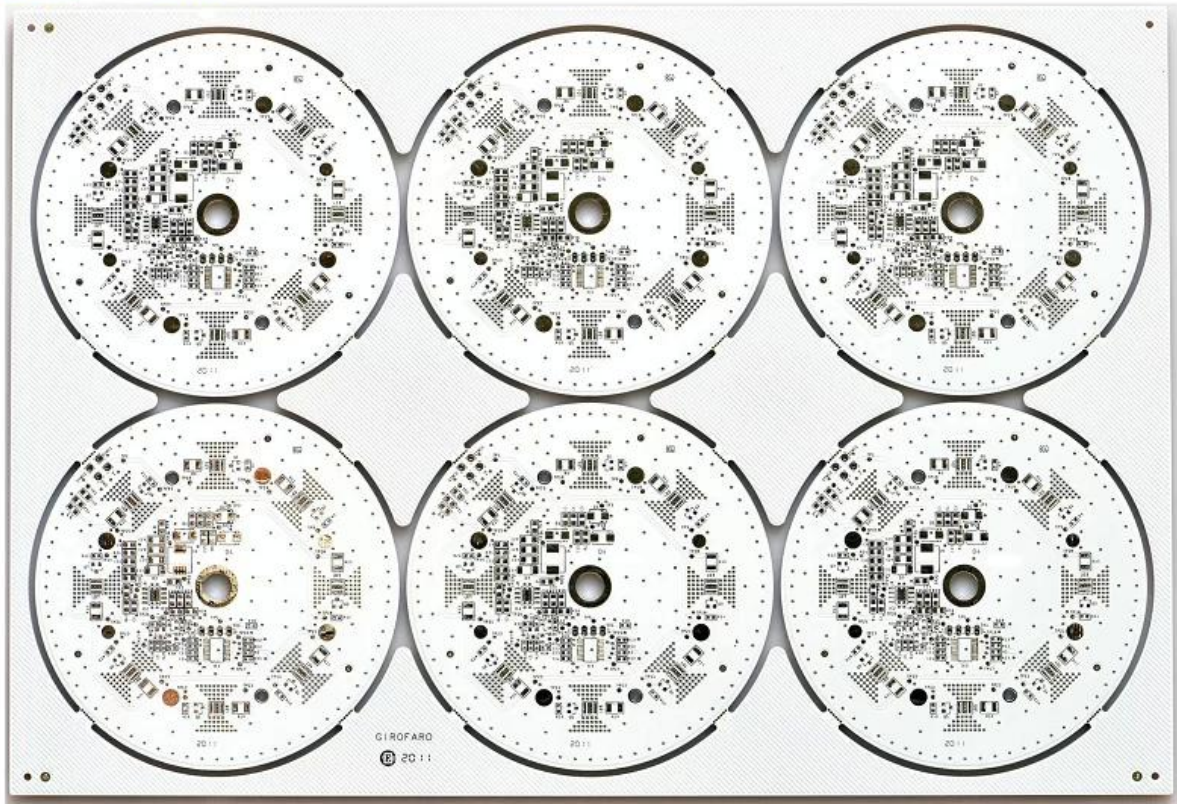
11111111 11111

O-LEADING
To Be Reliable, To Be Valuable

QUALITY IS OUR CULTURE

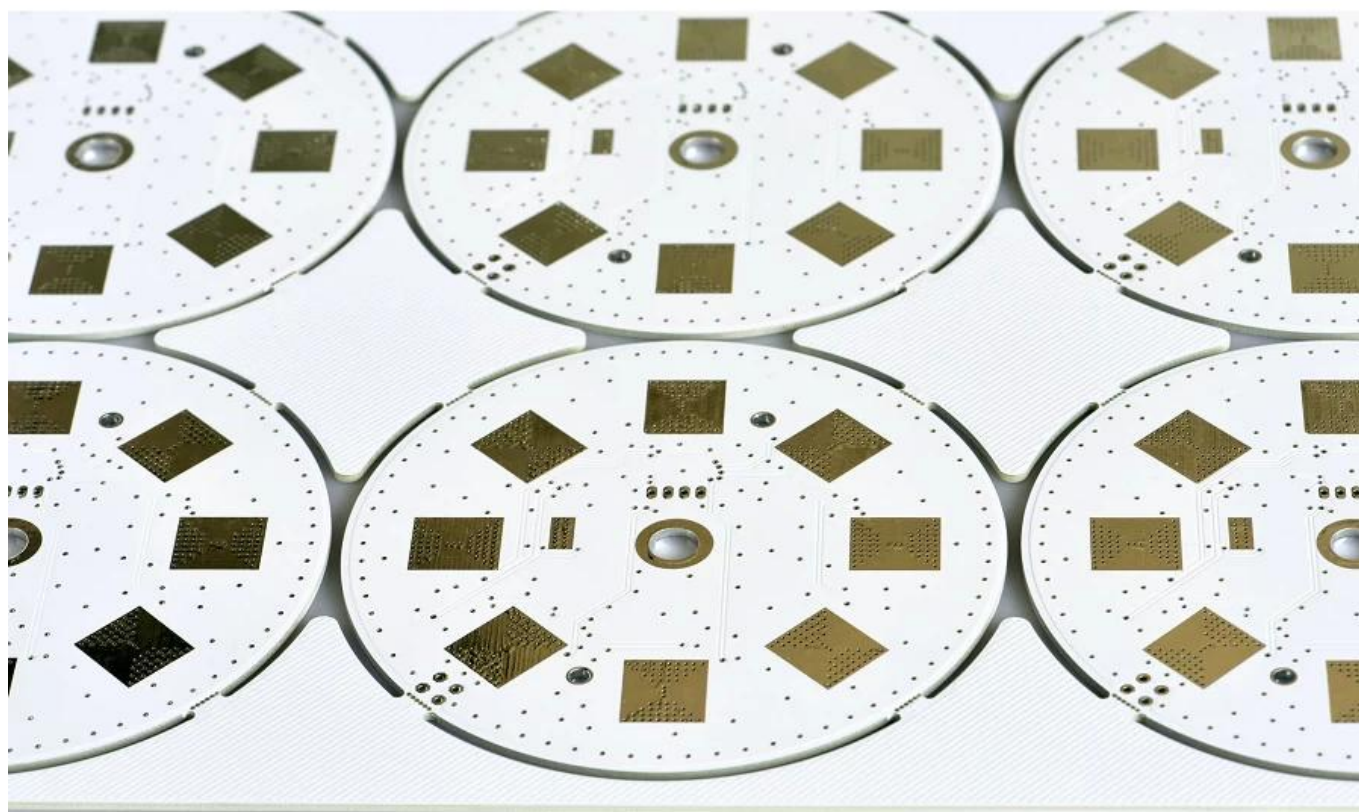
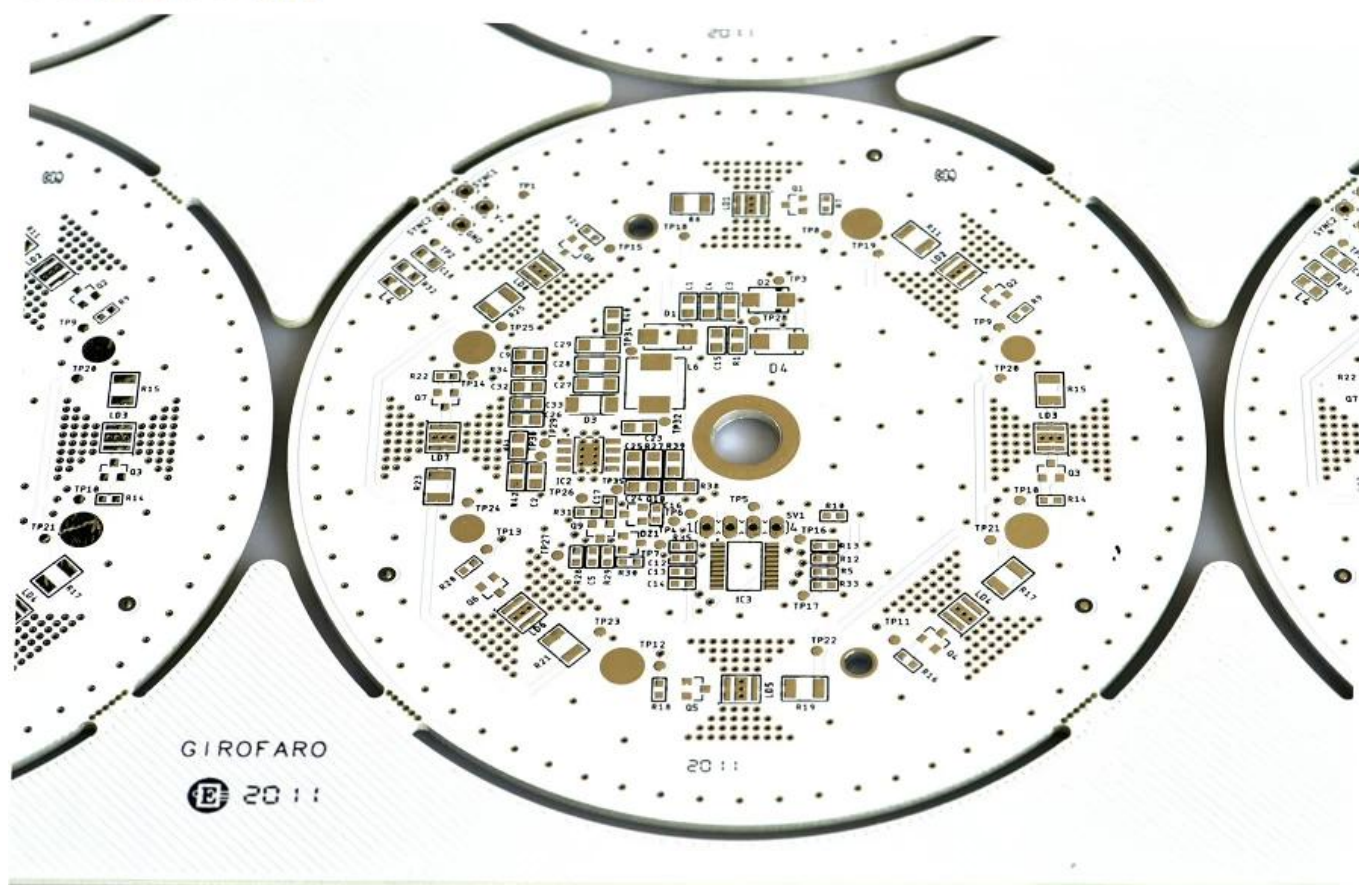


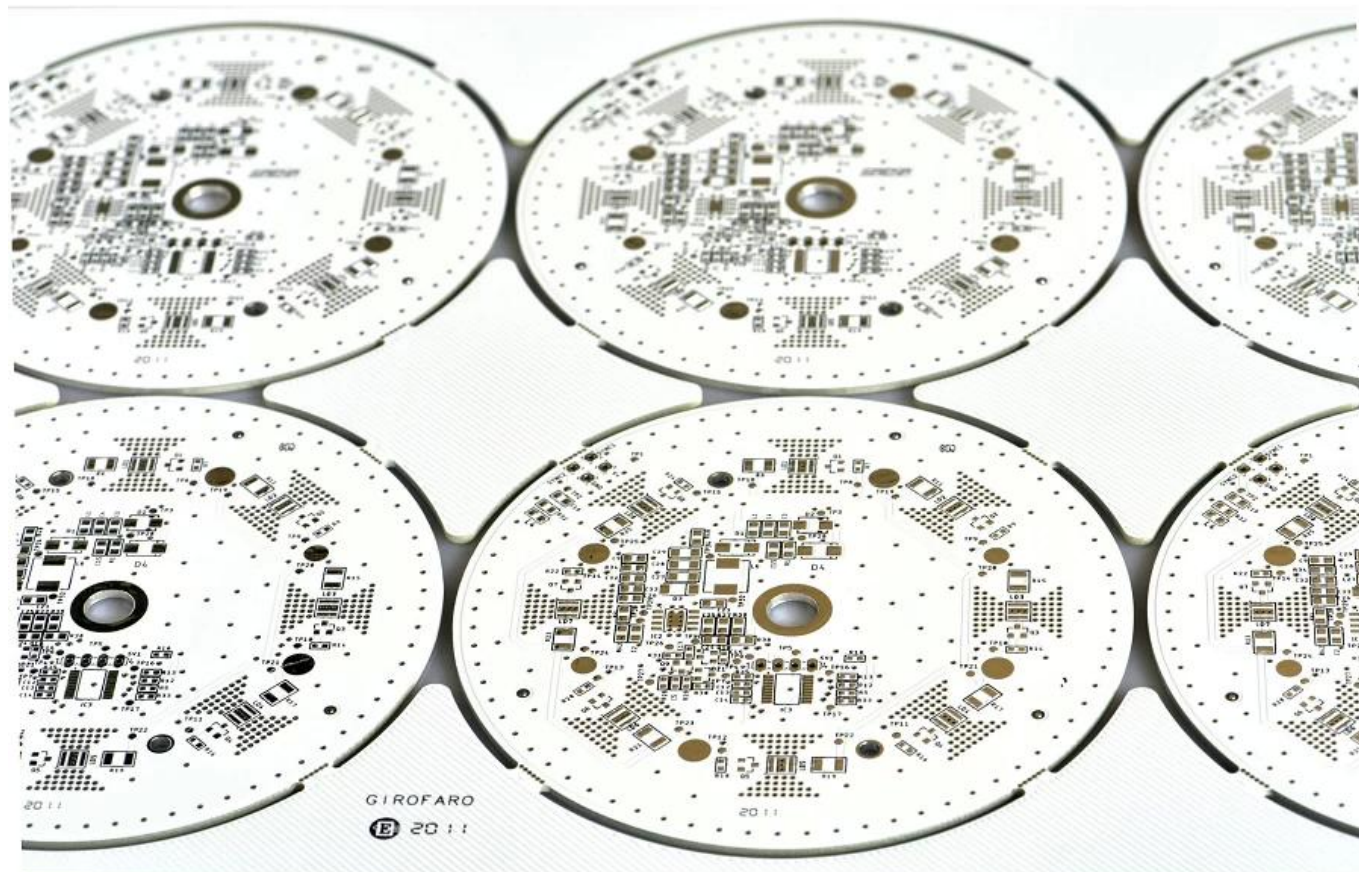
O-LEADING
To Be Reliable, To Be Valuable











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



12%
OTHER



20%
INDUSTRIAL CONTROL

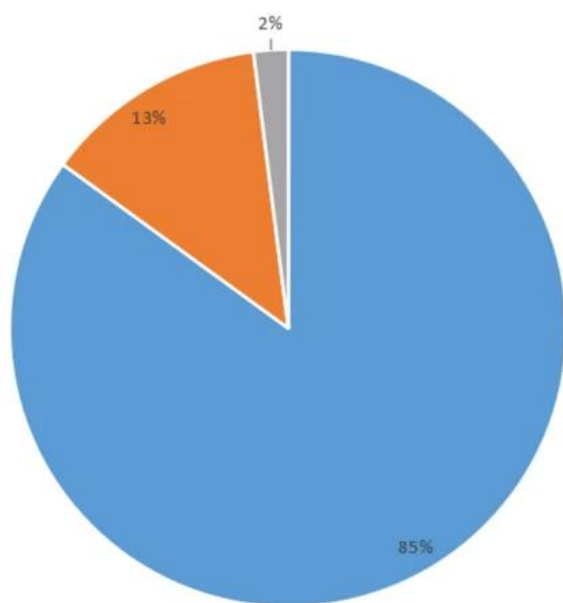


18%
INTELLECTUALIZED HOUSEHOLD CONTROL

20%
AUTOMOTIVE ELECTRONICS



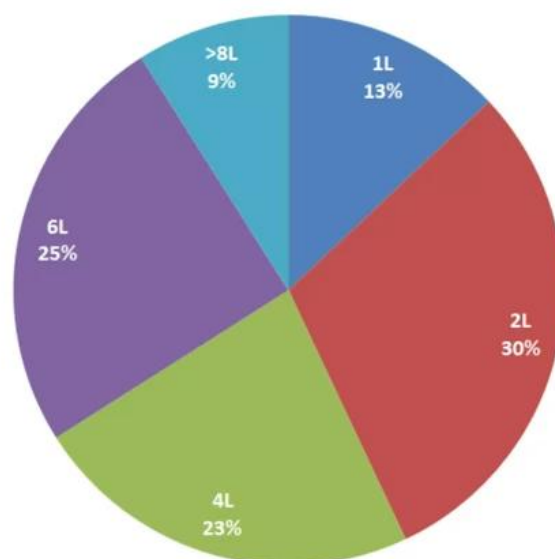
Product types



■ FR-4 PCB ■ MC PCB ■ rigid-flexible PCB

Product layers

■ 1L ■ 2L ■ 4L ■ 6L ■ >8L



فريقنا



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



الشهادات





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		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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القدرة العملية

الخصائص العامة للمنتج	
الوزن	1 كجم 32 كجم
القدرة	1 / 3oz-12oz
السرعة	3.0 / 3.0 / 3.0
الوقت	4.0 / 4.0 / 4.0
الوقت	10: 1
الوقت	0.2 5.0 - 5.0
الوقت	635 * 1500
الوقت	4
الوقت	Plated +/- 3
Blind / Buried Vias (All)	
الوقت	
الوقت	FR-4 FR-4hg Tg. Rogers
الوقت	HASL OSP ENIG HAL-LF Immersion silver Immersion

الوقت SMT	
الوقت	FR-4 CEM-1 CEM-3
الوقت	510x460
الوقت	50x50
الوقت	0.5 4.5 - 4.5
الوقت	0.5-4
الوقت	0201
الوقت	0603
الوقت	15
الوقت	0.3
الوقت	0.4
الوقت	+/- 0.03

التعبئة والتغليف والتسليم

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

التعليمات

1. اختبار O-Leading

.اختبار O-Leading هو اختبار جودة

مستند إلى معيار 1.1 ISO 9001: 2008.

1.2 اختبار O-Leading هو اختبار جودة

مستند إلى معيار 1.3 AOI

(.اختبار O-Leading هو اختبار جودة

مستند إلى معيار 1.4

مستند إلى معيار 1.5

2 O-Leading

هو اختبار جودة

.اختبار O-Leading هو اختبار جودة

.اختبار O-Leading هو اختبار جودة

.اختبار O-Leading هو اختبار جودة

.اختبار O-Leading هو اختبار جودة

.اختبار O-Leading هو اختبار جودة

.اختبار O-Leading هو اختبار جودة

000000 00000 00 00000 00000 000000000 000000 00 00 **.3 O-Leading**

000000 FR4 000000 0 000000000 TG / 00000000000 000000 0 0000000 0 0000000 0 0000000 0 00000000000 00 0000000
0000000 0 PI 0 .000

000000000 000000 000000000 000000 0 000000000 0000000 000000000 0000000 000000000 000000000 00 00 **.4**

.000000 00000 000000000 00000000 00000 000000 0000 :0000000000 0000000000 00 (00000000 000000) 00000000 000000 4.1

000000 4.2 PCB Gerber.

4.3 000000 000 PCB 000000 00000 PCBA.

4.4 .0000000000 000000000

.000000000 00000000 000000000 0000 0000000000 00000 00 4.5

000000000 000000 00000000 000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00 00 **.5**

000000 000 ← 0000000 0000 00000 ← 00000000 0000 ← AOI 000000 ← 00000000 00000000 000000 ← 00000000 000000 ← 000000
← PTH ← 0000000 ← 0000000 0000 ← 0000000 00000 ← 0000000 0000 00000 ← 00000000 00000 AOI ← 000000 ← 00000000 00000
00000000 ← 000000 0000000 ← 00000000000 ← E / T ← .00000000 000000

00000000 0000000000 000000000 00 00 **.6 HDI**

00 0 000000 000 0 000000000 000000 0000 :0000 0000 00 0000000000 000000000 000000 VCP 0 0000000000 000000000 0000 0
LDI .00000000

00 00 00000000 000000 000000 0 000000000 00 00000000 00 000000 00000 00000000 Mitsubishi 0 Hitachi 0 000000 LDI
00 Screen (00 000000 00 0000000000 000000000 000000 0 (00000000 Hitachi 0 000000 00000000 00000000 000000
.00000000 00000000 00000000000

00000000 00000000 00 00000 00000 000000000 00000000000 000000 0000 00 **.7**

O- 000 0 00000000 000000000000 00 000000 000000 00000 00000000: ENIG 0 OSP 0 LF-HASL 0 / 00000) 000000 00000
00000000 000000000 000000 0 000000 0000000000 00000 0 000000 00000 0 00000000 0 000000 000000 0 (0000. OSP 0 ENIG
0 OSP + ENIG 0000 000000000000 00000 HDI 0 00 00000 00000000000 00000 00000 OSP OSP + ENIG 0000 0000 0000
BGA PAD .000 0.3 00 0000

0000 000000 00 00 **.8 FPC**000000 00000 00 0 **O-Leading** 00000 000000 **SMT** 00000000

00000 00 00000 O-Leading 00000000 FPC 00000 000000 00000 0000 00000 00 00000 0000 00000 0 8 00000 0000 000000 00000 00
2000mm * 240mm 0 00000 00 00000000000 0000 000000000 00000 "Flex Flexability"
00000 00000 0000 SMT .000000000 0000000 00000

000000000 000000 000000000 000000 0000 0000 00000 00000 0000000000 000000000 00 00 **- 9**

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0000000 0000

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000000 00 00 **.10 PCB 0 PWB 0 FPC** 00000000 0000

0 0000000000 000000000 000000 000000 00 00000000 000000 00000000 000000

PWB 0 0000000000 000000000 00000 00000 0000 0000 0 0000000000 000000000 000000 00000000

FPC .00000 00000000 000000 00000000

000000 00000000 00000000 0000000 0000 000000000 00 000000 0000 00000 000000000 00 00 **.11 PCB**

:000000000 000000 0000000000 000000 00000 00000 0000 000000000 000000000 00000000 00000000 00000000 0000

00000 00000 00 0000 Tg 0 0000000000 0000000 00000 00 00000 00000000

00000 0000000 CTE 0 0000000000 000000000000 000000 0000000000 0000000000

°C 250 000000000 000000000 00000000 00000000 00000000 00000000 000000 00000000 00000 00 00000 :0000000000 0000000000 0000 00000

.000000 000 000000 50 0000

000 000000 000000 / 000000 000000 000 0000 00000000 000 0 00000000000 0000000 000 0000000 0 000 000000
PCB 0000000 000000 00000000 000000 0000000000 00000000000 0000000000 000000000 00000000 00000000 0000000 000000 000000
.00000000 0000000 000000 00000000 0000000 0000 000000 0000000000 0000000 0000000 0 00000

0000000 000000 000000000 000000 000000 00 00 **.12 Rlgid-flex PCB**

000000 PCB 00 0000000 000000 O-00 00 0000000 000 000000000 FPC 0 PCB 0 000 00 0000000000 00000 00000
0000000000 000000000 000000 00 000000 00 00000 0 000 000000 000000 000000 00000 00000 000000000 0000 .0000000 0000000000
.00000000 00000000 00000000 000 00000000 0 00000000

00000000000 000000 00000 0000 **.13**

0000000000 000000 000 00000000000 00000000000 00000000 00000 000000 0000 0 SI6000 soft 00000000 CITS 500s 00
POLAR INSTRUMENTS.

0000000000 000000 00000 00000000 00000000 00000 00000000000 00000000 000000 0000000 00000000 0000000 000000.