

O-PCB

PCB PCB PCB PCB PCB EMS 1 Quick Turn Prototype

O-PCB PCB PCB

10 PCB - PCB MCPCB.WE 48~96 48 4~8

.025 .020

25/

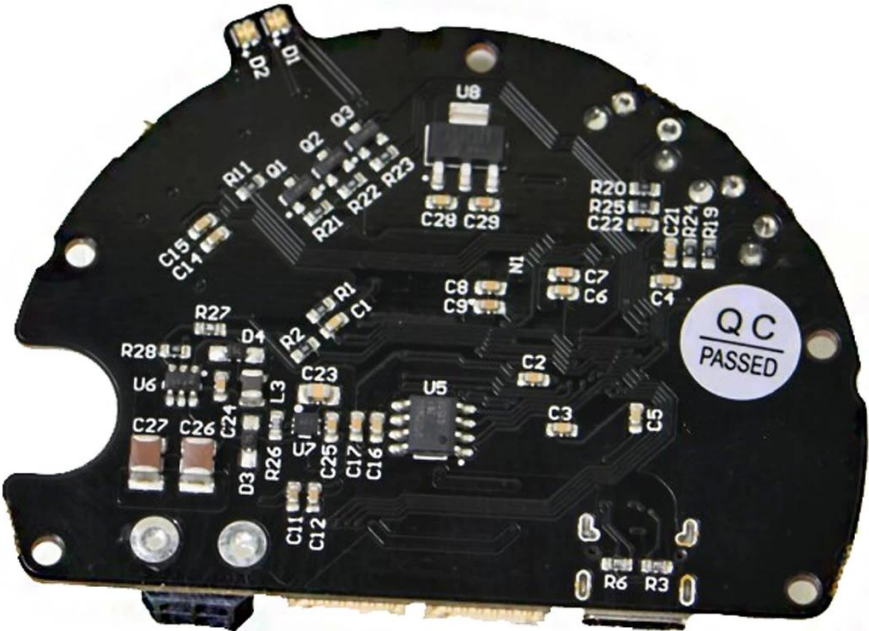
			o
	FR-4		0.5oz-5oz.
	0.2mm		0.2mm
	OSP		0.1-5mm
	LED		PCB.
	ISO9001 UL RoHS SGS	Q / CTN	10pcs-100
	0.01kg -5kg	MOQ	10
			0.2mm
	PCB PCB PCB		0.1~10
			0.01m3~10m3

16 OEM PCB

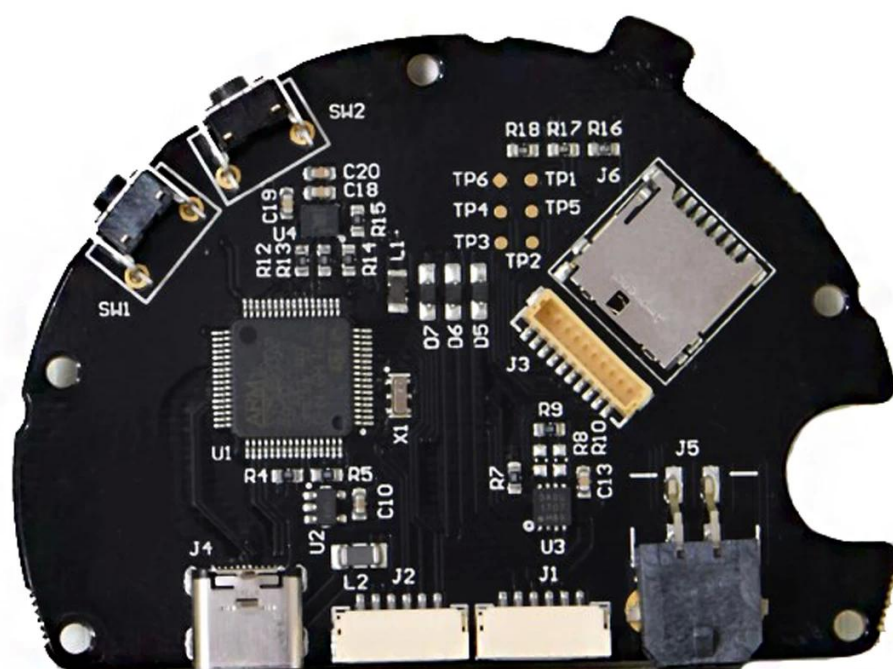
	2014.		2015 2016		2017 2018	
	32.	42.	38.	44	42.	48
μm	50/50	40/45	40/45	40/40	35/40	35/35
mm	0.15.	0.10	0.15.	0.10	0.15.	0.10
pth	14 1	16 1	16 1	18 1	18 1	20 1
N + C + N.	4 + C + 4	5 + C + 5	5 + C + 5	6 + C + 6	5 + C + 5	6 + C + 6
	5 + 2 + 5	6 + 2 + 6	5 + 2 + 5	6 + 2 + 6	5 + 2 + 5	6 + 2 + 6

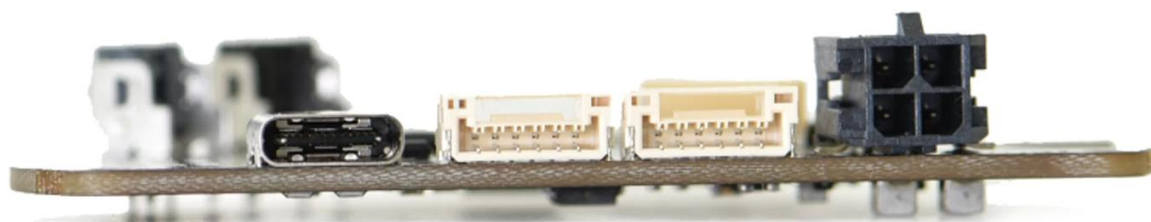
銅厚	mm	-	mm	-	mm	-
銅厚公差μm	50.	40.	40.	30.	40.	30.
銅厚公差μm	75.	65	65	50.	50.	40.
銅厚公差 mm/mm	mm	-	mm	-	mm	-
材料	FR4					
PCB	mm	-	mm	-	mm	-
表面處理	ENIGOSP					

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Supperiesr



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

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

(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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or email: CN.Dateschen@sgs.com
305360, 305361, 305362, 305363, 305364, 305365, 305366, 305367, 305368, 305369, 305370, 305371, 305372, 305373, 305374, 305375, 305376, 305377, 305378, 305379, 305380, 305381, 305382, 305383, 305384, 305385, 305386, 305387, 305388, 305389, 305390, 305391, 305392, 305393, 305394, 305395, 305396, 305397, 305398, 305399, 305400, 305401, 305402, 305403, 305404, 305405, 305406, 305407, 305408, 305409, 305410, 305411, 305412, 305413, 305414, 305415, 305416, 305417, 305418, 305419, 305420, 305421, 305422, 305423, 305424, 305425, 305426, 305427, 305428, 305429, 305430, 305431, 305432, 305433, 305434, 305435, 305436, 305437, 305438, 305439, 305440, 305441, 305442, 305443, 305444, 305445, 305446, 305447, 305448, 305449, 305450, 305451, 305452, 305453, 305454, 305455, 305456, 305457, 305458, 305459, 305460, 305461, 305462, 305463, 305464, 305465, 305466, 305467, 305468, 305469, 305470, 305471, 305472, 305473, 305474, 305475, 305476, 305477, 305478, 305479, 305480, 305481, 305482, 305483, 305484, 305485, 305486, 305487, 305488, 305489, 305490, 305491, 305492, 305493, 305494, 305495, 305496, 305497, 305498, 305499, 305500, 305501, 305502, 305503, 305504, 305505, 305506, 305507, 305508, 305509, 305510, 305511, 305512, 305513, 305514, 305515, 305516, 305517, 305518, 305519, 305520, 305521, 305522, 305523, 305524, 305525, 305526, 305527, 305528, 305529, 305530, 305531, 305532, 305533, 305534, 305535, 305536, 305537, 305538, 305539, 305540, 305541, 305542, 305543, 305544, 305545, 305546, 305547, 305548, 305549, 305550, 305551, 305552, 305553, 305554, 305555, 305556, 305557, 305558, 305559, 305560, 305561, 305562, 305563, 305564, 305565, 305566, 305567, 305568, 305569, 305570, 305571, 305572, 305573, 305574, 305575, 305576, 305577, 305578, 305579, 305580, 305581, 305582, 305583, 305584, 305585, 305586, 305587, 305588, 305589, 305590, 305591, 305592, 305593, 305594, 305595, 305596, 305597, 305598, 305599, 305600, 305601, 305602, 305603, 305604, 305605, 305606, 305607, 305608, 305609, 305610, 305611, 305612, 305613, 305614, 305615, 305616, 305617, 305618, 305619, 305620, 305621, 305622, 305623, 305624, 305625, 305626, 305627, 305628, 305629, 305630, 305631, 305632, 305633, 305634, 305635, 305636, 305637, 305638, 305639, 305640, 305641, 305642, 305643, 305644, 305645, 305646, 305647, 305648, 305649, 305650, 305651, 305652, 305653, 305654, 305655, 305656, 305657, 305658, 305659, 305660, 305661, 305662, 305663, 305664, 305665, 305666, 305667, 305668, 305669, 305670, 305671, 305672, 305673, 305674, 305675, 305676, 305677, 305678, 305679, 305680, 305681, 305682, 305683, 305684, 305685, 305686, 305687, 305688, 305689, 305690, 305691, 305692, 305693, 305694, 305695, 305696, 305697, 305698, 305699, 305700, 305701, 305702, 305703, 305704, 305705, 305706, 305707, 305708, 305709, 305710, 305711, 305712, 305713, 305714, 305715, 305716, 305717, 305718, 305719, 305720, 305721, 305722, 305723, 305724, 305725, 305726, 305727, 305728, 305729, 305730, 305731, 305732, 305733, 305734, 305735, 305736, 305737, 305738, 305739, 305740, 305741, 305742, 305743, 305744, 305745, 305746, 305747, 305748, 305749, 305750, 305751, 305752, 305753, 305754, 305755, 305756, 305757, 305758, 305759, 305760, 305761, 305762, 305763, 305764, 305765, 305766, 305767, 305768, 305769, 305770, 305771, 305772, 305773, 305774, 305775, 305776, 305777, 305778, 305779, 305780, 305781, 305782, 305783, 305784, 305785, 305786, 305787, 305788, 305789, 305790, 305791, 305792, 305793, 305794, 305795, 305796, 305797, 305798, 305799, 305800, 305801, 305802, 305803, 305804, 305805, 305806, 305807, 305808, 305809, 305810, 305811, 305812, 305813, 305814, 305815, 305816, 305817, 305818, 305819, 305820, 305821, 305822, 305823, 305824, 305825, 305826, 305827, 305828, 305829, 305830, 305831, 305832, 305833, 305834, 305835, 305836, 305837, 305838, 305839, 305840, 305841, 305842, 305843, 305844, 305845, 305846, 305847, 305848, 305849, 305850, 305851, 305852, 305853, 305854, 305855, 305856, 305857, 305858, 305859, 305860, 305861, 305862, 305863, 305864, 305865, 305866, 305867,

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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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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



PCB

1LAYER-32LAYER
 1 / 3oz-12oz
 MIN3.0mil / 3.0mil
 MIN4.0mil / 4.0mil
 101
 0.2mm-5.0mm
 635 * 1500mm
 4
 Plated Hole Tolerance $\pm$ 3mil
 2All
 FR-4FR-4HIGH Tg
 HASLOSPENIGHAL-LFMLMSIRSION SILVERLMM

SMT

PCB材料FR-4、CEM-1、CEM-3、

PCB尺寸510x460mm

PCB尺寸50x50mm

PCB厚度0.5mm-4.5mm

厚度0.5~4mm

0201

0603

15mm

0.3mm

BGA0.4mm

+/- 0.03mm