



PRODUCT SPECIFICATION

產品規格書

產品名稱 Description	產品料號 Part No.	圖號 Drawing No.
High Speed Board to Board Pitch 0.5mm Connector	2384-AxxMCxDxxxxxx-x-(Axxx)	2384-D0000-xxx
	2384-AxxFCxDxxxxxx-x-(Axxx)	2384-D0000-xxx

PRODUCT NAME 產品名稱	DOCUMENT No.: 文件編號	Rev. 版本	OUPIIN
High Speed Board to Board Pitch 0.5mm Connector (RoHS)	Q2384-PSS-001	C (I800)	歐品電子
	Approved 核准	Checked 審核	Prepared 製作
	Q.A. Section Chief	Ruru Chen	2021.09.27



PRODUCT SPECIFICATION OF OUPIIN

1. SCOPE 適用範圍

This product specification defines the product performance and the test methods to ascertain the performance of the High Speed Board to Board Pitch 0.5mm Connector , which is designed and manufactured by Oupiin Electronic Co., Ltd. This product specification is applicable but not only for those part numbers which be shown in the cover page.

本產品規格書規定了由歐品電子有限公司設計生產的 High Speed Board to Board Pitch 0.5mm 型連接器產品的特性及測試方法。本產品規格書適用於但不局限於封面所顯示的產品料號。

2. REFERENCE DOCUMENTS 參考文件

MIL-STD-1344	Test method for electrical connector 電子連接器測試方法
MIL-STD-202	Test method for electrical components 電子零件測試方法
EIA364	Test method for electrical components 電子零件測試方法
JIS C 0051	Test method for electrical components 電子零件測試方法
MIL-G-45204C	Specification for gold plating 鍍金規格
IEC-512-3	IEC standard for current carrying capacity tests IEC電流測試標準
QQ-N-290A	Specification for nickel plating 鍍鎳規格
MIL-P-81728A	Specification for tin/lead plating 鍍錫鉛規格
MIL-T-10727B	Specification for tin plating 鍍錫規格
UL1977	UL standard for safety of attachment plug and receptacle UL安規要求標準

3. FEATURE & DIMENSIONS 特徵及尺寸

3.1. PRODUCT DIMENSION 產品尺寸

These connectors shall have the dimensions as shown in drawing.

本產品的相關尺寸參見圖面。

3.2. PCB/PANEL LAYOUT 印刷電路板佈局

The recommended PCB layout is shown in drawing.

本產品適用的 PCB layout 參見圖面。

3.3. BILL OF MATERIAL 材料清單

Harmful material controlling follows the requirements of RoHS. The bill of material is described in drawing.

有害物質控制符合RoHS指令要求。本產品使用的材料參見圖面。

3.4. MECHANICAL & ELECTRICAL CHARACTERISTIC 機械及電氣特性

The connector shall have the mechanical and electrical performance as described in drawing.

本產品的機械及電氣特性參見圖面。



PRODUCT SPECIFICATION OF OUPIIN

3.5. PACKAGING 包裝

Products shall be packaged according to requirements specified in purchase order for safe delivery, connector container and the packaging method are shown in package specification.

產品可依客戶指定要求包裝，包裝材料與包裝方式參見產品包裝規範。

3.6. RATING CURRENT, RATING VOLTAGE AND TR 額定電流,額定電壓及溫升

Rating current : Signal : 3A per contact with 3 adjacent contacts (UL),
Ground : 25A per contact with 1 contact

Rating voltage is 125V AC RMS.

額定電流：信號 Pin 3A 每 Pin 串聯 3Pin (UL)，
接地 Pin 25A 每 Pin 串聯 1Pin.

額定電壓 125V AC RMS。

3.7 STORAGE AND OPERATING TEMPERATURE 儲存與使用溫度

Temperature range: $-40^{\circ}\text{C}\sim+105^{\circ}\text{C}$, including terminal temperature rise for rating current.

Storage Temperature : $0^{\circ}\text{C}\sim+40^{\circ}\text{C}$, Humidity: 80%RH under , Time limit is 18 months the products are stored。

溫度範圍： $-55^{\circ}\text{C}\sim+125^{\circ}\text{C}$,包含接觸端子的額定電流溫升。

儲存溫度： $0^{\circ}\text{C}\sim+40^{\circ}\text{C}$ · 濕度：80%RH 以下,產品限存時間為 18 個月。

4. Environmental 環境要求

4.1. SOLDERABILITY 可焊性

Connectors meet solder-ability to EIA-364-52, and shall be free of contaminants.

產品可焊性符合EIA-364-52標準規定的相關要求，表面不得有污染物。

4.2. RESISTANCE TO SOLDER HEAT 耐焊接熱

4.2.1. INFRARED REFLOW 紅外線回流焊接

Each cycle consists of three consecutive phases, as shown in **Table III**.

每個焊接週期包括三個連續的階段，見附表三。

Note: 說明

Device temperature measurements are referenced from the top-center of the package outer surface.

設備溫度量測時以從頂部中間位置測量為準。



PRODUCT SPECIFICATION OF OUPIIN

5. PERFORMANCE AND TEST DESCRIPTION 性能及測試

5.1. REQUIREMENT 要求

Product is designed to meet electrical, mechanical, and environmental performance requirements specified in **Table I**.

本產品設計符合附表一所列的機械，電氣及環境要求。

5.2. TEST CONDITION 測試條件

Unless otherwise specified, all tests shall be performed at ambient environmental conditions.

除非特別註明，所有測試在室溫條件下完成。

5.3. SAMPLE SELECTION 樣品選擇

Test samples shall be selected at random from current production. No test samples shall be reused. Samples are pre-conditioned with 10cycles of durability. Each group shall be containing 5 test samples at least.

測試樣品從現生產的產品中隨機抽取，所有測試過的樣品不得重複使用。樣品已預先插拔10次，每組測試至少有5個樣品。

5.4. TEST SEQUENCE 測試順序

Product qualification test sequence as shown in **Table II**.

產品品質測試順序見附表二。



PRODUCT SPECIFICATION OF OUPIIN

Table I: Test Requirements and Methods

附表一：測試要求與方法

Items 項目	Requirements 要求	Test Methods 測試方法
1. Confirmation of Product 產品確認	Product shall be conforming to the requirements of applicable product drawing. 產品必須符合相關產品圖面的要求。	Visually, dimensions and functionally inspected per applicable product drawing. 依相關產品圖面，檢查產品的外觀、尺寸及功能。
2. Contact Resistance 接觸阻抗	Initial : Signal Pin : 45 mΩ Max. Ground Pin : 15 mΩ Max. 初始狀態： 信號 Pin 最大 45 mΩ 接地 Pin 最大 15 mΩ	Subject mated contacts assembled in housing to closed circuit of 100 mA max. 20 mV max. EIA-364-23. 所述固定在外殼裏的端子連結到一個封閉回路中測試，電流 100 mA max，電壓 20 mV max。適用：EIA-364-23。
3. Insulation Resistance 絕緣阻抗	5000 MΩ Min. 最小 5000 MΩ	Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector. EIA-364-21. 測試產品相鄰端子間以及端子與接地間的電阻。適用：EIA-364-21。
4. Dielectric Withstanding Voltage 耐電壓	Connector must withstand test potential of 525 VAC RMS for 1 minute, current leakage must be 0.2mA Max. 產品必須承受測試電壓 525 VAC RMS，時間 1 分鐘，漏電流不大於 0.2 mA。	Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector. EIA-364-20. 對產品相鄰端子間以及端子與接地間加載電壓，並測試其漏電流。 適用：EIA-364-20。
5. Durability (Repeated Mating/Un-mating) 耐久性	Contact Resistance: Δ 15 mΩ Max. after testing. 測試後接觸阻抗變化最大 15 mΩ。	Repeat mate and unmated for connector 250 cycles, at a speed of 25.4 mm per minute. 重復進行配合產品 250 次插拔，速度 25.4mm/分鐘。



PRODUCT SPECIFICATION OF OUPIIN

<p>6. Mating /Un-mating Force 插入力/拔出力</p>	<p>Ground Pin: Mating force: 8N/Pin Max. Un-mating force: 2N/Pin Min Signal pin: Mating force: 0.84N/Pair Pin Max. Un-mating force:0.15N/Pair Pin Min Ground Pin: 插入力: 8N /Pin Max 拔出力: 2N/Pin Min Signal pin: 插入力: 0.84N/Pair Pin Max 拔出力: 0.15N/ Pair Pin Min</p>	<p>At a speed of 25±3 mm/minute, apply axial insert the mating part into fully or pull out from the subject product. 以 25±3 mm/分鐘的速度，軸向完全插入對配插件到被測產品中或從被測產品中拔出。</p>
<p>7. Contact Retention Force 端子保持力</p>	<p>1.2 N/Pin. Min. 最小 1.2 N/Pin。</p>	<p>Apply axial pull out force at a speed of 25±3 mm/minute on the contact assembled in the housing. 以 25±3mm/分鐘的速度施加軸向拉力從塑膠本體上拔出端子。</p>
<p>8. Vibration Sinusoidal Low Frequency 低頻正弦振動</p>	<p>No electrical discontinuity greater than 0.05 μs shall occur, Contact Resistance: Δ 15 mΩ Max. 不允許出現超過 0.05 μs 的瞬間斷開，接觸阻抗變化最大 15 mΩ。</p>	<p>Subject mated connector to 50-2000 Hz traversed in 1 minute at 1.5 mm amplitude, 2 hours each of 3 mutually perpendicular plane, 10 mA potential applied. EIA-364-28. 對測試產品，在頻率變化每分鐘從 50-2000 Hz，振幅 1.5 mm 條件下，在互相垂直的三個面上，每個面 2 小時下測量，電流 10 mA。適用：EIA-364-28。</p>
<p>9. Mechanical Shock 機械衝擊</p>	<p>No electrical discontinuity greater than 0.05 μs shall occur, Contact Resistance: Δ 15 mΩ Max. 不允許出現超過 0.05 μs 的瞬間斷開，接觸阻抗變化最大 15 mΩ。</p>	<p>Subject mated connector and shock at 100g with 1/2 sine wave (6millisecond) shocks in the 3 axes(18 shocks total). EIA-364-27 加載 100g 半正玄波，持續 6 毫秒，三個方向共 18 次。 適用：EIA-364-27</p>
<p>10. Thermal Shock 熱衝擊</p>	<p>After testing, no damage, Contact Resistance Δ 15 mΩ Max. Dielectric Strength should be OK, Insulation Resistance should be 5000 MΩ Min. 測試後產品無損壞，接觸阻抗變化最大 15mΩ；耐電壓測試 OK，絕緣阻抗最小 5000 MΩ。</p>	<p>Temperature range from -55°C to +85°C. Start from -55°C, after 30 minutes, change to +85°C; change time is no more than 30 seconds, total 100 cycles. EIA-364-32. 溫度變化範圍：-55°C~ +85°C。從 -55°C 開始，30 分鐘後換到+85°C，轉換時間不超過 30 秒，共 100 個循環。適用：EIA-364-32。</p>



PRODUCT SPECIFICATION OF OUPIIN

<p>11. Humidity (Steady State) 恆溫恆濕</p>	<p>After testing, no damage, Contact Resistance Δ 15 mΩ Max. Dielectric Strength should be OK, Insulation Resistance should be 5000 MΩ Min. 測試後產品無損壞，接觸阻抗變化最大 15mΩ；耐電壓測試 OK，絕緣阻抗最小 5000 MΩ。</p>	<p>Temperature: 25°C to 65°C. Relative Humidity: 90-95%. Duration: 240 Hours. EIA-364-31. 溫度：25°C 到 65°C。相對濕度：90-95%。持續時間：240 小時。適用：EIA-364-31。</p>
<p>12. Solder-ability 可焊性</p>	<p>Appearance of the specimen shall be inspected after the test with the assistance of a magnifier capable of giving a magnification of 10 X for any damage such as pinholes, void or rough surface. 產品在測試完成後，在放大倍數為 10 倍的顯微鏡下，檢查外觀損壞如：小孔，空焊，外觀粗糙度。</p>	<p>Soldering time: 5 seconds. Temperature: 245\pm5°C. Per EIA-364-52. 焊接時間：5 秒。 溫度：245\pm5°C。 適用：EIA-364-52。</p>
<p>13. Test temperature rise for rating current 溫升測試</p>	<p>1. The temperature rise above ambient shall not exceed 30°C。 溫升不能超過 30°C。 Ambient conditions - Still air 25°C。 周圍環境溫度 25°C。</p> <p>2. The test temperature above ambient shall not exceed RTI(130°C) for UL. 測試溫度不能超過 UL 標準的 RTI(130°C)值。 Ambient conditions - Still air 25°C。 周圍環境溫度 25°C。</p>	<p>Subject mated contacts assembled in housing to closed circuit of 25A per contact with 1 ground contact , 250V max, Test Specification 所述固定在外殼包的端子連結到一個封閉回路中測試，Ground Pin:25A 串聯 1PIN , 250V max。</p> <p>Subject mated contacts assembled in housing to closed circuit of 3A per contact with 3 adjacent signal contacts ,250V max, Test Specification 所述固定在外殼包的端子連結到一個封閉回路中測試，Signal Pin 3A 串聯 3PIN,250V max。</p>
<p>14. Salt Spray 鹽霧</p>	<p>After testing, no damage, Contact Resistance Δ 15 mΩ Max. Dielectric Strength should be OK, Insulation Resistance should be 5000 MΩ Min. 測試後產品無損壞，接觸阻抗變化最大 15mΩ；耐電壓測試 OK，絕緣阻抗最小 5000 MΩ。</p>	<p>5\pm1% salt concentration 48 hours 35\pm2°C Per EIA-364-52. 鹽水濃度 5\pm1%，時間 48 小時，溫度 35\pm2°C。 適用：EIA-364-52。</p>



PRODUCT SPECIFICATION OF OUPIIN

<p>15.High Temperature Life 高溫老化</p>	<p>After testing, no damage, Contact Resistance Δ 15 mΩ Max. Dielectric Strength should be OK, Insulation Resistance should be 5000 MΩ Min. 測試後產品無損壞，接觸阻抗變化最大 15mΩ；耐電壓測試 OK，絕緣阻抗最小 5000 MΩ。</p>	<p>Subject product to 105\pm3$^{\circ}$C for 250 hours continuously. EIA-364-17. 產品置於 105\pm3$^{\circ}$C 連續 250 小時。 適用：EIA-364-17。</p>
--	---	--

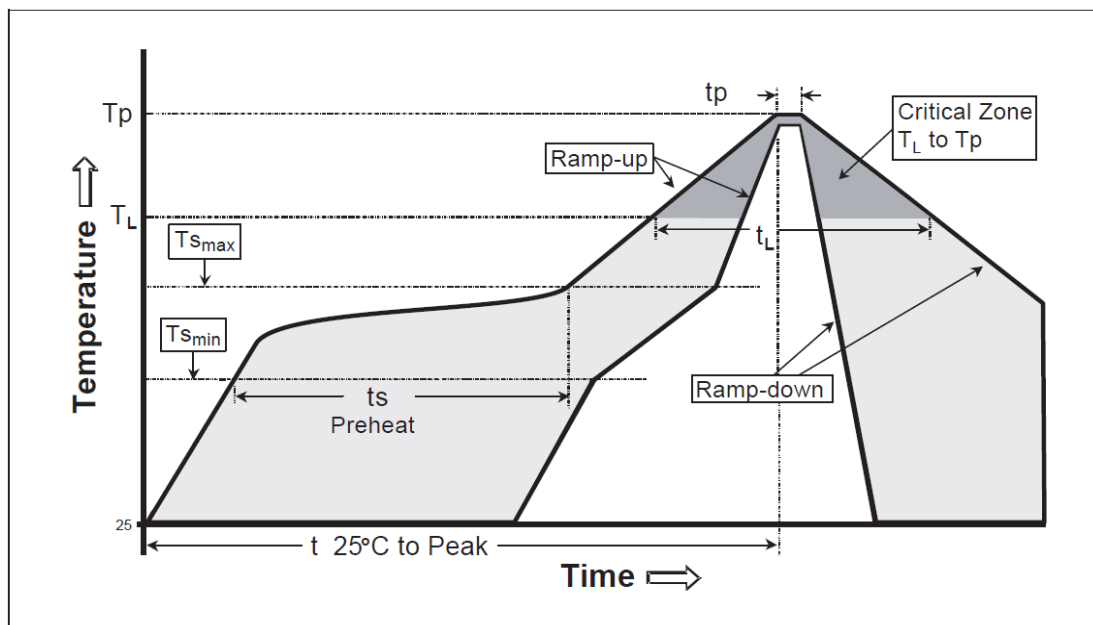
Table III: Reflow Soldering Profile

附表三：回流焊接曲線圖

Lead-free reflow profile requirements:

無鉛回流焊接曲線

Parameter 參數	Reference 參考	Specification 規格
升溫區 Ramp-up	25°C ~150°C	3°C /S Max
預熱區(Pre-heating) Temperature Min(T_{smin}) Temperature Max(T_{smax}) Time(T_{smin} to t_{smax})	150°C ~200°C	60~180sec
Time maintained above(保持時間) Temperature(T_L) Time(t_L)	217°C	60~150sec
Time within 5°C of actual peak Temperature(t_p)	260-/+5°C	20~40sec
冷卻區 Cooling	Ramp-Down Rate	6°C /S(Max)
Time 25°C to Peak Temperature	25°C ~ Peak Temp.	8 minutes maximum



This profile is the minimum requirement for evaluating soldering heat resistance of components. Heat transfer method used for reflow soldering is hot air convection. The actual air temperatures used to achieve the specified profile largely dependent on the reflow equipment.

這個曲線圖是評估元件器件焊接抗熱的基本要求。應用在對焊接中的熱傳遞方式是熱氣對流。達到特定曲線圖地實際溫度主要依賴與回流焊接設備。



PRODUCT SPECIFICATION OF OUPIIN

Material Housing (Male) :UL

PROSPECTOR®

[CLICK TO CONTINUE](#)

The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

View additional material information including performance and processing data

Component - Plastics

E249884

Guide Information

SUMITOMO CHEMICAL CO LTD

ADVANCED POLYMERS DIV, TOKYO SUMITOMO TWIN BLDG, 27-1 SHINKAWA 2-CHOME, CHUO-KU TOKYO 104-8260 JP

SV6808THF(r5)

Liquid Crystal Polymer (LCP) "SUMIKASUPER", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
NC, BK	0.100	V-0	-	-	130	130	130
	0.200	V-0	4	1	130	130	130
ALL	0.30	V-0	4	1	130	130	130
	0.38	V-0	4	1	130	130	130
	0.75	V-0	4	1	130	130	130
	3.0	V-0	4	0	130	130	130

Comparative Tracking Index (CTI): 3

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): -

Volume Resistivity (10^x ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): -

High Volt, Low Current Arc Resis (D495): -

Dimensional Stability (%): -

(r5) - Virgin and regrind material up to 70% by weight have the same V-0 flammability characteristics. No other properties have been evaluated for 25% - 70% regrind.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2012-12-26

Last Revised: 2019-07-28

© 2019 UL LLC





PRODUCT SPECIFICATION OF OUPIIN

Material Housing (Female) : 077-LCP

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)

材质证明

MATERIAL FORMULATION CONFIDENTIAL REPORT

供应商 Supplier: 金发科技股份有限公司 KINGFA SCI. & TEC. CO. LTD

材质名称 Type of Material: 增强LCP Reinforced LCP

牌号 Grade: VICRYST R845 BK006

说明 Description:

VICRYST R845 BK006完全符合RoHS指令规定。

VICRYST R845 BK006 is completely up to the regulations specified in RoHS directive.

VICRYST R845 BK006材质成份表
Composition of VICRYST R845 BK006

牌号 Grade	VICRYST R845 BK006		
组成 Composition	分子式 Molecular Formula	CAS number	含量(%) Content (%)
LCP Liquid Crystal Polymer	Not available	60088-52-0	53-57%
增强物 Reinforcement	Not available	65997-17-3&14807-96-6	43-47%



PRODUCT SPECIFICATION OF OUPIIN

Material Housing (Female) :UL

Component - Plastics

E171666

KINGFA SCI & TECH CO LTD

33 KEFENG RD, SCIENCE CITY, GUANGZHOU HI-TECH, INDUSTRIAL DEVELOPMENT ZONE, GUANGZHOU GUANGDONG 510660 CN

Vicryst R8(gg) (ccc)(r5)

Liquid Crystal Polymer (LCP), furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
NC, BK, WT	0.10	V-0	5	0	130	130	130
	0.20	V-0	4	0	130	130	130
ALL	0.35	V-0	4	0	130	130	130
	3.00	V-0	0	0	130	130	130

Comparative Tracking Index (CTI): 3

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): -

Volume Resistivity (10⁸ ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): -

High Volt, Low Current Arc Resis (D495): -

Dimensional Stability (%): -

(ccc) - Any combinations of any letters excluding a letter "X" and/or any numerals for their special applicaiton may or may not follow

(gg) - Replaced by two digital numbers (30 - 50) to represent 30-50% reinforcement content

(r5) - Virgin and regrind material up to 50% by weight of Natural Color and Black Color have the same V-0 flammability characteristics, HWI, HAI and CTI ratings in the 0.10mm to 3.0mm thickness.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2010-04-13

Last Revised: 2016-05-10

© 2016 UL LLC



IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.10	V-0 (NC, BK, WT)
			0.20	V-0 (NC, BK, WT)
			0.35	V-0 (ALL)
			3.00	V-0 (ALL)
Glow-Wire Flammability (GWI)	IEC 60695-2-12	C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-



PRODUCT SPECIFICATION OF OUPIIN

Material Signal Contact (Male) : C5191

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)

(COPY)



REPORT OF MATERIAL TEST 材料測試報告

ISO 9001
IATF 16949
IECQ QC080000
ISO 14001
OHSAS 18001 & TOSHMS

No. : 8C1012

DATE: DEC. 18, 2019

Customer 顧客名稱 : 歐品電子有限公司
Commodity 商品名稱 : C 5191 R PHOSPHOR BRONZE STRIP (H)
Applied Standard 引用標準 : JIS H 3110 Phosphor bronze sheets, plates and strips

Manufacture No.	銅條號	89C033B	
(Specification)	產品規格	Standard	
Thickness (mm)	產品厚度	0.600	
Width (mm)	產品寬度	31.000	
Length (mm)	產品長度		
(Chemical Analysis Test)	化性測試		
P(%)	磷	0.030 - 0.350	0.094
Pb(%)	鉛	max. 0.0200	0.0021
Zn(%)	鋅	max. 0.200	0.000
Fe(%)	鐵	max. 0.100	0.007
Sn(%)	錫	5.500 - 7.000	6.060
Cu+Sn+P(%)	銅錫磷	min. 99.500	99.979
(Mechanical & Physical Test)	物性測試		
Thickness Test (mm)	厚度測試	-0.010 +0.010	0.600
Width Test (mm)	寬度測試	-0.10 +0.00	GOOD
Tensile Strength (kgf/mm2)	抗拉強度	60.00 - 70.00	60.13
Elongation (%)	伸長率	min. 8.00	21.10
Hardness Test (Hv)	硬度	180.0 - 200.0	184.0 - 186.0
Grain Size (mm)	結晶粒度	-	0.010
Electric Conductivity (%)	導電率	min. 13.00	15.60
Yield Strength (Kgf/mm2)		-	57.13
(Other Information)	其他資訊		
Delivery No.	出貨單號	8C0423	

MINCHALI METAL INDUSTRY CO., LTD

nikki

MINCHALI METAL INDUSTRY CO., LTD.

名佳利金屬工業股份有限公司

11.Pei-Yuan Road, Chung-Li Dist, Tao-Yuan City, Taiwan, R.O.C.

Tel : (03)4526141-5 (03)4526017-9

Fax : (03)4514870

QA Supervisor: 黃志平

A060805 L8C05501CH



PRODUCT SPECIFICATION OF OUPIIN

Material Signal Contact (Female) : I800-C5210

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)

INSPECTION REPORT

杭州金超物资有限公司

HANG ZHOU JINCHAO MATERIAL CO LTD

Add:ZHEJIANG TEXTILE PURCHASING EXPO CITY,

XIAOSHAN DISTRICT,HANGZHOU,ZHEJIANG

TEL: 0575-84559726

客户名称	欧品电子(昆山)有限公司
------	--------------

品名 PRODUCT	C5210-H	母料号码 LOT NO	Q1912-256	日期 DATE	2020-04-15	
规格 SIZE	0.15*17	重量 QUANTITY	32KG	序号 NO		
化学成分 CHEMICAL COMPOSITION						
成份符号	Sn	P	Zn	Pb	Fe	Cu
规格 SPEC	MIN	7.0	0.03			
	MAX	9.0	0.35	0.2	0.02	0.05
分析值		7.16	0.17	0.036	0.002	0.006 余量
机械特性试验 MECHANICAL TESTING						
项目 ITEM	抗拉强度 N/mm ²	屈服强度 N/mm ²	伸长率 %	导电率 % IACS	硬度 HV	
规格 SPEC	MIN	590	12		180	
	MAX	705			235	
实测值 MEASURED VALUE		640	23.3		204	
尺寸量测 GEMETRICAL DIMENSIONS						
项目 ITEM	厚度 (mm)	宽度 (mm)	粗糙度 Ra			
规格 SPEC	MIN	0.14	16.9			
	MAX	0.15	17			
实测值 MEASURED VALUE		0.145	16.5			
备注						
		责任者	品质担当者			



PRODUCT SPECIFICATION OF OUPIIN

Material Ground Contact (Male) : I800-C2680

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)

INSPECTION REPORT

杭州金超物资有限公司

HANG ZHOU JINCHAO MATERIAL CO LTD

Add:ZHEJIANG TEXTILE PURCHASING EXPO CITY,

XIAOSHAN DISTRICT,HANGZHOU,ZHEJIANG

TEL: 0575-84559726

客户名称 CUSTOMER	欧品电子（昆山）有限公司
------------------	--------------

品名 PRODUCT	C2680-H	母料号码 LOT NO	H1020-48	日期 DATE	2016-11-14
规格 SIZE	0.5*18.5	重量 QUANTITY	KG	序号 NO	
化学成分 CHEMICAL COMPOSITION					
成份符号	Cu	Fe	Pb	Zn	
规格 SPEC	MIN	64.0			
	MAX	68.0	0.05	0.05	
分析值		64.07	0.015	0.007	余量
机械特性试验 MECHANICAL TESTING					
项目 ITEM	抗拉强度 N/mm ²	屈服强度 N/mm ²	伸长率 %	导电率 % IACS	硬度 HV
规格 SPEC	MIN	410			120
	MAX	540			160
实测值 MEASURED VALUE		480		19.5	149
尺寸量测 GEMETRICAL DIMENSIONS					
项目 ITEM	厚度 (mm)	宽度 (mm)	粗糙度 Ra		
规格 SPEC	MIN	0.490	18.4		
	MAX	0.5	18.5		
实测值 MEASURED VALUE		0.495	18.45		
备注					
		责任者	品质担当者		



PRODUCT SPECIFICATION OF OUPIIN

Material Ground Contact (Female) : I800-C5210

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)

INSPECTION REPORT

杭州金超物资有限公司

HANG ZHOU JINCHAO MATERIAL CO LTD

Add:ZHEJIANG TEXTILE PURCHASING EXPO CITY,

XIAOSHAN DISTRICT,HANGZHOU,ZHEJIANG

TEL: 0575-84559726

客户名称	欧品电子(昆山)有限公司
------	--------------

品名 PRODUCT	C5210-H	母料号码 LOT NO	Q1912-256	日期 DATE	2020-04-15		
规格 SIZE	0.15*17	重量 QUANTITY	32KG	序号 NO			
化学成分 CHEMICAL COMPOSITION							
成份符号	Sn	P	Zn	Pb	Fe	Cu	
规格 SPEC	MIN	7.0	0.03				
	MAX	9.0	0.35	0.2	0.02	0.05	
分析值		7.16	0.17	0.036	0.002	0.006	余量
机械特性试验 MECHANICAL TESTING							
项目 ITEM	抗拉强度 N/mm ²	屈服强度 N/mm ²	伸长率 %	导电率 % IACS	硬度 HV		
规格 SPEC	MIN	590			180		
	MAX	705			235		
实测值 MEASURED VALUE		640		23.3	204		
尺寸量测 GEMETRICAL DIMENSIONS							
项目 ITEM	厚度 (mm)	宽度 (mm)	粗糙度 Ra				
规格 SPEC	MIN	0.14	16.9				
	MAX	0.15	17				
实测值 MEASURED VALUE		0.145	16.5				
备注							
		责任者	品质担当者				