



PRODUCT SPECIFICATION OF OUPIIN

PRODUCT SPECIFICATION

(產品規格書)

產品名稱 Description	產品料號 Part No.	圖號 Drawing No.
D-SUB I.D.C. Type	7901-AxxMMxxC00A	7901D03002

PRODUCT NAME (產品名稱)	DOCUMENT No.: (文件編號)	Rev. (版本)	OUPIIN (歐品)
D-SUB I.D.C. Type	7901spec-A	A(I747)	
	Approved (核準)	Checked (審核)	
	QA. Chief	Joseph Yen	06.01/2018



PRODUCT SPECIFICATION OF OUPIIN

1. SCOPE (範圍)

This product specification defines the product performance and the test methods to ascertain the Performance of the D-SUB I.D.C. Type, which is designed and manufactured by Oupiin Electronic Co.,Ltd.
(本產品規格書規定了由歐品電子有限公司生產的 D-SUB I.D.C. Type 型連接器,產品的特性及測試方法.)

2. REFERENCE DOCUMENTS (參考文件)

MIL-STD-202	Test method for electrical components (電子零件測試方法)
EIA 364	Test method for electrical components (電子零件測試方法)

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考圖面.)

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 參考圖面.)

3.3. BILL OF MATERIAL (材料清單)

Harmful material control follow the requirement of RoHS. The bill of material and product number 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考附件.)

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見圖面：)

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 AND RATING VOLTAGE 額定電流與額定電壓

Rating current is 1.0A, rating voltage is 150V DC/AC RMS.
額定電流 1.0A，額定電壓 150V DC/AC RMS。



PRODUCT SPECIFICATION OF OUPIIN

3.7 OPERATING TEMPERATURE 使用溫度

Temperature range: -55°C~+105°C.

溫度範圍：-55°C~+105°C。

4. ENVIRONMENTAL (環境要求)

4.1. SOLDERABILITY (可焊性)

Connectors meet solder ability to MIL-STD-202. Finish shall be free of contaminants.

(產品可焊性符合 MIL-STD-202 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)

WAVE SOLDERING (波峰接) -- NA (不適用)

Each cycle consists of three consecutive phases.

(每個焊接週期包括三個連續的階段)

1. Preheat (預熱)

2. Soldering (焊接)

3. Cool Down (冷卻)

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.

(除非特別注明，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.

(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，每組測試有5個樣品；)



PRODUCT SPECIFICATION OF OUPIIN

Table I: Test Requirements and Procedures

(附錄一:測試要求)

Items (項目)	Requirements (要求)	Test Methods (檢測方法)
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)	20 mΩ Max. (最大.初態)	Subject mated contacts assembled in housing to closed circuit of 100 mA max. at open circuit voltage of 20 mV max. (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，電壓 20 mV max.)
3. Insulation Resistance (絕緣阻抗)	1000 MΩ Min. (最小)	Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector.(500 V DC±10%). (測試產品端子間以及端子與接地間的電阻) (500V DC±10%)
4. Dielectric Strength (耐電壓)	Connector must withstand test potential of 1000 V AC for 1 minute. Current leakage must be 0.5 mA max. (樣品必須承受測試電壓 1000V AC，時間一分鐘，漏電流不大於 0.5 mA.)	Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector. (測試產品端子間以及端子與接地間的電壓。)
5. Durability (Repeated Mating/Unmated) (耐久性)	Contact Resistance: 50 mΩ Max. after testing. (測試後接觸阻抗最大 50mΩ)	The sample should be mounted the tester and fully mated and unmated 200 cycles specified at the rate of 25mm/min (重復進行配合產品 200 次插拔.)
6. Thermal shock (熱衝擊)	After testing, no damage, Contact Resistance 30 mΩ max.. Dielectric Strength should be OK, Insulation Resistance should be 1000 MΩ min. (測試後,產品無損壞，接觸阻抗：30 mΩ 最大；耐電壓測試 OK，絕緣阻抗 1000MΩ 最小;)	Temperature range from -40°C to +85°C .Start from -40°C, after 30 min. change to +85°C; change time is no more than 30 seconds. Total 5 cycles. MIL-STD-202, Method 107D, condition A. (溫度變化範圍： -40°C~ +85°C；從 -40°C 開始，30 分鐘後換到+85°C；轉換時間不超過 30 秒；共 5 個循環.適用：MIL-STD-202，方法 107D，條件 A.)



PRODUCT SPECIFICATION OF OUPIIN

Material Housing : PBT (D202G30)

[\(Blue\)-SGS Test Report Click here](#) 如需 SGS 測試報告請點選此處

[\(Black\)-SGS Test Report Click here](#) 如需 SGS 測試報告請點選此處

SHINKONG SYNTHETIC FIBERS CO. 新光合成纖維股份有限公司

8th Fl., 123, Sec.2, Nanking East Road, Taipei, Taiwan
Tel: 886-2-2507-0131 886-2-2507-1251(30Lines) 886-3-4932131
Fax:886-2-2506-8047 886-3-491-5763

CERTIFICATE OF ANALYSIS

GRADE (規格) :PBT D202G30 (NATURAL)

PRODUCT CODE (批號) : DF4806

ITEM 檢驗項目	UNIT 單位	TEST METHOD 檢驗方法	VALUE 檢驗值
ASH (灰份)	%	ASTM D2584	29.7
TENSILE STRENGTH (拉伸強度)	kg/cm ²	ASTM D638	1270
FLEXURAL STRENGTH (彎曲強度)	kg/cm ²	ASTM D790	1990
FLEXURAL MODULUS(彎曲模數)	kg/cm ²	ASTM D790	89200
IZOD IMPACT STRENGTH (衝擊強度)	kg-cm/cm	ASTM D256	11.6
SPECIFIC GRAVITY (比重)	-	ASTM D792	1.60

Batch No: M8575

GREEN PRODUCT (無毒材料)

ENPLA DIVISION
QA Manager : 廖志崑

成品單位:

Inspector : 鍾瑞蓮 2008年5月14日
送出日期:

©AQUA材質證明



PRODUCT SPECIFICATION OF OUPIIN

Material Housing :UL

QMFZ2 Component - Plastics		Friday, October 24, 2003						E107536	
SHINKONG SYNTHETIC FIBERS CORP 223 YEN PING RD SEC 3 PIN CHENG TAOYUAN HSIEN 324 TW									
Material Designation: D202G30@									
Product Description: Polybutylene Terephthalate (PBT), glass reinforced, furnished as pellets.									
Color	Min. Thick. (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
NC, BK	0.3	V-0	4	0	75	75	75	-	-
ALL	0.71	V-0	3	0	140	120	140	-	-
	1.5	V-0	2	0	140	130	140	-	-
	3.0	V-0	0	0	140	130	140	-	-
CTI: 3	IEC CTI (V): -	HVTR: 4			D495: 6			IEC Ball Pressure (C): 200	
Dielectric Strength (kV/mm): - ISO Tensile Strength (MPa): - ISO Tensile Impact (kJ/m ²): -		Volume Resistivity (10 ⁹ ohm-cm): - ISO Flexural Strength (MPa): - ISO Izod Impact (kJ/m ²): -				Dimensional Stability(%): - ISO Heat Deflection (°C): - ISO Charpy Impact (kJ/m ²): -			
@	Ball pressure temperature of 200 deg. C, tested in accordance with IEC 695.10.2 and IEC 950 5.4.2								
Report Date: 7/13/1987			Underwriters Laboratories Inc®						
UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULL.									



PRODUCT SPECIFICATION OF OUPIIN

Material Contact : Copper Alloy (Brass C2680)

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)



REPORT OF MATERIAL TEST 材料測試報告

ISO 9001
ISO/TS 16949
IECQ QC080000
ISO 14001
OHSAS 18001 & TOSHMS

No. : 3C1556

DATE: DEC.26,2014

Customer 顧客名稱 : 歐品電子有限公司
Commodity 商品名稱 : C 2680 R BRASS STRIP (H)
Applied Standard 引用標準 : JIS H 3100 Copper and Copper alloy sheets, plates and strips

Manufacture No.	銅捲製號	3AA046A	
(Specification)	產品規格	Standard	
Thickness (mm)	產品厚度		0.400
Width (mm)	產品寬度		27.500
Length (mm)	產品長度		
(Chemical Analysis Test)	化生測試		
Cu(%)	銅	64.000-68.000	64.947
Fe(%)	鐵	max. 0.050	0.013
Pb(%)	鉛	max. 0.0500	0.0003
Zn(%)	鋅	REM.	REM.
(Mechanical & Physical Test)	物生測試		
Thickness Test (mm)	厚度測試	-0.015 +0.010	0.394
Width Test (mm)	寬度測試	-0.10 +0.00	GOOD
Tensile Strength (kgf/mm2)	抗拉強度	42.00 - 55.00	51.06
Elongation (%)	伸長率	-	17.92
Hardness Test (Hv)	硬度	140.0 - 160.0	158.0 - 160.0
Grain Size (mm)	結晶粒度	-	0.015
Electric Conductivity (%)	導電率	-	26.20
(Other Information)	其他資訊		
Delivery No.	出貨單號	3CA079	
Customer Purchase Order	採購單號	PO.B02A14101603	



MINCHALI METAL INDUSTRY CO., LTD.
名佳利金屬工業股份有限公司
11,Pei Yuan Road, Chung Li City, Taiwan, R.O.C.
Tel : (03)4526141-5 (03)4526017-9
Fax : (03)4529112 (03)4629625

QA Supervisor: 周建偉

A980301 G3A00203AH

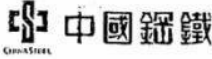


PRODUCT SPECIFICATION OF OUPIIN

Material Shell : Steel (Shell-Nickel)

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)



品質證明書
TEST CERTIFICATE

中國鋼鐵股份有限公司
CHINA STEEL CORPORATION
中華民國台北市大港街中興路
TAIWAN REPUBLIC OF CHINA
TEL: 88620 2511 111 FAX: 88620 2511 60 984 922

客戶名稱 YUNG FA STEEL & IRON INDUSTRY CO., LTD.		產品名稱 CR SHEET-COIL																					
規格名稱 JIS G3141 SPCC-SU, OILED. (G&Z, UE)		作業號碼 ZY7444H360	證明書編號 93006819160																				
R-35		客戶編號 35A89006	中鋼分庫編號 LC5003C																				
CSC MILL INSPECTION		交還日期 JUN 01, 2004	證明書日期 JUN 01, 2004																				
T/C 01		客戶訂單編號																					
項目	產品序號	尺寸	規格	爐號	鋼捲號碼	試片號碼	拉伸試驗	10S	化學成份														
NO.	LABEL NO.	厚度 THICK.	寬度 WIDTH	長度 LENGTH	重量 WT.	HEAT NO.	COIL NO.	SAMPLE ID.	Y	S	P	SI	NI	CR	CU	AL		
SPECIFICATION																							
062	F405280	√ 0.40	1215	COIL	10.734A8095	100830	100836	176	31642.5	41													
	F405640	"	"	"	10.740R530	A48058	A48058	166	31642.5	35													
	F405817	"	"	"	10.658R530	A48058	A48058	179	31642.5	35													
	F743356	"	"	"	10.685R530	A48059	A48059	172	31641.5	37													
	F743357	"	"	"	10.685R530	A48059	A48059	172	31641.5	37													
004	F748818	0.50	1215	COIL	10.300R238	120768	120768	161	30345.5	43													
	F748819	"	"	"	10.535R238	120768	120768	161	30345.5	43													
034	F743381	0.20	1215	COIL	10.658R200	A48209	A48209	102	30646.5	35													
	F745415	"	"	"	10.710R374	114994	114994	173	31744.5	41													
			TOTAL:		95.680																		
拉拔 NOTES		TENSILE TEST HARDNESS TEST										KG/MM2 = N/MM2 / 9.80665 (IMP. FOR REFERENCE ONLY)											
SURVEYOR TO															茲證明本表所列產品，均經材料規格製造及試驗，其符合規格之要求。 WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.							YC Huang for 品質管理處處長 GENERAL MANAGER QUALITY CONTROL DEPARTMENT	