



PRODUCT SPECIFICATION

產品規格書

產品名稱 Description	產品料號 Part No.	圖號 Drawing No.
8949-A Series Modular Plug	8949-Axx-06xB	8949D01001

PRODUCT NAME (產品名稱)	DOCUMENT No.: (文件編號)	Rev. (版本)	OUPIIN
8949-A Series Modular Plug (RoHS)	Q8949-PSS-I011	C (I773)	(歐品)
	Approved (核准)	Checked (審核)	Prepared (製作)
	Q.A. Section Chief	Ruru Chen	2023.05.23



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 8949-A Series Modular Plug, 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 8949-A Series Modular Plug 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

IEC-60603-7	Test method for electrical connector	電子零件測試方法
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。

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。



PRODUCT SPECIFICATION OF OUPIIN

3.6. RATING CURRENT AND RATING VOLTAGE 額定電流與額定電壓

Rating current : 1.5A

額定電流 : 1.5A

Rating voltage : 125V AC

額定電壓 : 125V AC

3.7. STORAGE AND OPERATING TEMPERATURE 儲存與使用溫度

Temperature range : -40°C~+85°C

Storage Temperature : 0°C~+40°C, Humidity : 80%RH under. Time limit is 12 months the products are stored.

溫度範圍 : -40°C~+85°C。

儲存溫度 : 0°C~+40°C，濕度 : 80%RH 以下，產品限存時間為 12 個月。

4. PERFORMANCE AND TEST DESCRIPTION 性能及測試

4.1. 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述的機械，電氣及環境要求。

4.2. 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。

4.3. 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 10 cycles 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。



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	30 mΩ Max. 最大 30 mΩ	Subject mated contacts assembled in housing to closed circuit. Per EIA-364-06 所述固定在外殼裡的端子連結到一個封閉回路中測試 適用：EIA-364-06
3. Insulation Resistance 絕緣阻抗	500 MΩ Min. 最小 500 MΩ.	Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector. (500 VDC±10%). Per EIA-364-21 測試產品相鄰端子間以及端子與接地間的電阻 (500 VDC±10%). 適用：EIA-364-21
4. Dielectric Withstanding Voltage 耐電壓	There shall be no breakdown. 無擊穿現象出現	Connector must withstand test potential of 1000 V AC for 1 minute. Per EIA-364-20 樣品必須承受測試電壓 1000V AC，時間一分鐘 適用：EIA-364-20.
5. Durability 耐久性	After testing, no physical damage. 測試後，產品外觀無損壞	Repeat mate and unmated for connector 750 cycles, at a speed of 10 cycles per minute. Per EIA-364-09 重復進行配合產品 750 次插拔，速度 10 次/分鐘 適用：EIA-364-09