



# PRODUCT SPECIFICATION

## 產品規格書

產品名稱 Description	產品料號 Part No.	圖號 Drawing No.
Flexible Flat Cable	FC5x-CxxxxxxxxXxxMM-x	FC5XF00001

PRODUCT NAME 產品名稱	DOCUMENT No.: 文件編號	Rev. 版本	OUPIIN
Flexible Flat Cable (RoHS)	QFC-PSS-I002	B (I525A)	歐品
	Approved 核准	Checked 審核	Prepared 製作
	Q.A. Section Chief	Ruru Chen	2025.01.12



# 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 Flexible Flat Cable, 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 Flexible Flat Cable，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-1344A	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
UL 758	Standard for Appliance wiring material	電子線標準

## 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。

### 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。



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

Rating current : 1A.

Rating voltage : 60V.

額定電流：1A。

額定電壓：60V。

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

UL 20624 Operating Temperature : 80°C.

UL 20706 Operating Temperature : 105°C.

Storage Temperature : -10°C~+25°C, Humidity : 25-75%RH. Time limit is 6 months the products are stored.

UL 20624使用溫度：80°C。

UL 20706使用溫度：105°C。

儲存溫度：-10°C~+25°C，濕度：25-75%RH，產品限存時間為6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。



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### 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. High Temperature Life 高溫老化	After testing, no damage. 測試後，產品無損壞。	Subject product to 80°C (UL 20624) / 105°C (UL 20706) for 96 hours continuously. Per EIA-364-17 產品置於 80°C (UL 20624) / 105°C (UL 20706)，連續 96 小時。 適用：EIA-364-17
3. Humidity 恆濕恆溫	After testing, no damage. 測試後，產品無損壞。	Subject product to 40°C, 95%.R.H, 96 hours. Per EIA-364-31B 產品置於 40°C，相對濕度：95%，96 小時。 適用：EIA-364-31B
4. Flexing test 柔韌性	After testing, no damage. 測試後，產品無損壞。	180° Folding test for 50 cycles. 180° 折彎測試 50 次。
5. Flame test 阻燃性	VW-1 Pass VW-1 合格。	UL 758