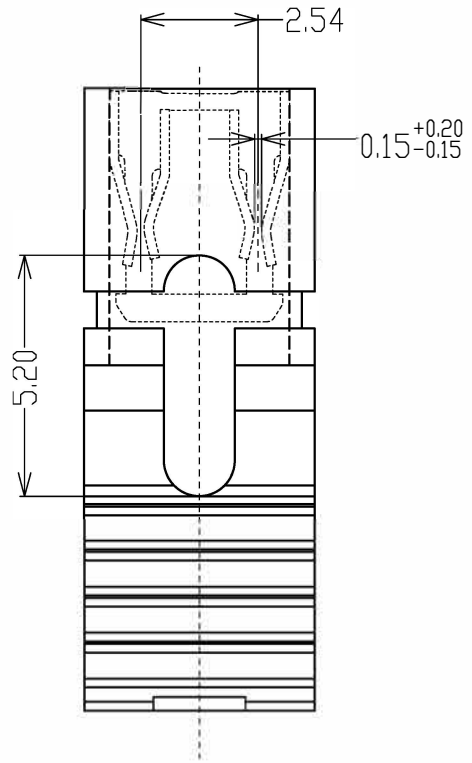
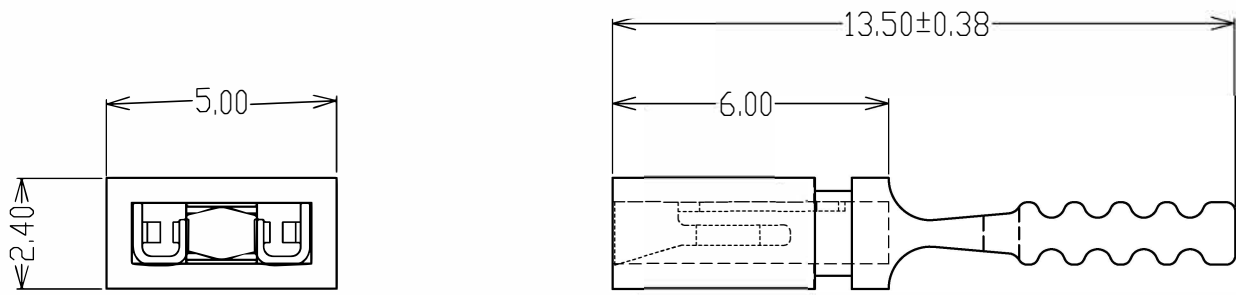


REV.	NOTES	DATE
A	RELEASED	2014/01/21
B	更新圖面與實物相符	2018/10/31



SPECIFICATION
 Current rating:1Amp.max.
 Contact resistance: 30mΩhm max
 Insulation resistance : 1000m ohmmin
 Operating temperatures :-40°Cto+85°C

MATERIAL
 Insulator :PA66 CoLor :Black
 Contact pin : Brass
 Contact Plated :Gold Flash on Contact Area
 Ni Plating Overall.

DIMENSIONS TOLERANCE	單位(UNITS)	mm	圖名(NAME) MJ 13.5 黑色 RoHS			
	數量(QU'TY)	N/A				
	材料(MT'L)	SEE NOTE				
	處理(FINISH)	SEE NOTE				
	繪圖(DRAW)		料號(PART NUMBER) AAMJ+B135B-09			
	設計(DE'N)		圖號(DRAW NUMBER)			
	審校(CH'K)		圖檔(FILE NAME .DWG)			
	核准(APP'D)		比例(SCALE)	1/1	圖紙(SIZE)	A4
			頁次(SHEET)	1	版次(REV.)	B

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Revision Record				
Rev	Date	Page	ECN No	Description of Change
A	2012/01/05	6		NEW PRODUCT SPECIFICATION

Page	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Content Rev	A																			
attachment Rev																				

Approved by		Checked by		Prepared by	
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1. SCOPE 【範圍】

1.1 COTENTS 【主旨】

This specification covers performance, test and quality requirement for MINI JUMPER Applicable product description and part numbers are as shown in Figure 1.

(本規範包括 MINI JUMPER 系列的產品，適用於以下系列產品料號)

Product No	Product Name
AMJ+XXXXXX-XX	MINI JUMPER SERIES

1.2 QUALIFICATION 【要求】

When tests are performed on the subject product line , the procedures specified in EIA 364 series specifications shall be used . All inspections shall be performed using the applicable inspection plan and product drawing.

(產品測試的方法參考 EIA-364 系列規範，所有的檢驗都需參照檢驗規範及產品圖)

2. APPLICABLE DOCUMENT 【參考文件】

The following documents form a part of this specification to the extent specified herein . In the event of conflict between the requirements of this specification and the product drawing , the product drawing shall take precedence . In the event of conflict between the requirements of this specification and the referenced documents , this specification shall take precedence.

(文件的表格都是延續此份規範，如這份規範與產品圖有沖突，以產品圖為準，如此份規範與其它規範有沖突，以此份規範為準。)

2.1 YF DOCUMENTS (翊豐文件)

2.1.1 YF TEST REPORT (翊豐測試報告)

2.1.2 PACKAGING SPECIFICATON (包裝規範)

2.2 OTHER DOCUMENTS (其它文件)

2.2.1 EIA-364-C

3. REQUIREMENTS (規格要求)

3.1 DESIGN AND CONSTRUCTION (結構)

Product shall be of the design, construction and physical dimensions specified on the applicable product drawing. (產品的外形結構、尺寸參考產品圖)

3.2 MATERIALS (材質)

3.2.1 Contact (端子): 參考產品圖

3.2.2 Plating (電鍍): 參考產品圖

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3.2.3 Housing (膠芯) :參考產品圖

3.3 RATING (性質)

3.3.1 Current (額定電流) : 1.0Ampere maximum per contact

3.3.2 Voltage rating (額定電壓) : 30V RMS MAX

3.3.3 Temperature (溫度) : -45°C to +85°C storage

3.4 PERFORMANCE AND TEST DESCRIPTION 【測試與描述】

The product is designed to meet the electrical , mechanical and environmental performance requirements specified in Para .3.5. All tests are performed at ambient environmental conditions per EIA-364 unless otherwise specified.

(產品的測試包括電氣特性、機械特性、環境參考 3.5，所有測試的要求需依據 EIA-364 的規範，除非有其它的要求。)

3.5 TEST REQUIREMENTS (測試要求)

3.5.1 Examination of product (產品外觀)

Connector must meet visual , dimensional and functional requirement per product inspection plan. (產品的外觀、尺寸、功能須參照產品規範。)

Electrical Characteristics 【電氣特性】

Para (項次)	Item 項目	Test Condition 測試條件	Requirement 測試要求
3.5.2	Current Rating (額定電流)	Test to be performed at 1.0 Ampere per contact. (端子通過電流 1.0 安培)	No damage Or deformation (無損壞 或變形)
3.5.3	Contact Resistance (接觸阻抗)	ANSI / EIA-364-23 (參考 EIA-364-23)	20 mΩ max (20 mΩ 最大)

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3.5.4	Insulation Resistance (絕緣阻抗)	Test method complies With EIA-364-21,Test voltage 500V DC±50V (依據 EIA-364-21，通過的電壓為 500V DC±50V)	Pin TO Pin Insulation Resistance 1000MΩ min (Pin 與 Pin 之間的絕緣阻 1000MΩ 最小)
3.5.5	Dielectric Withstanding Voltage (耐高壓)	1. The test method complies with EIA-364-20 (測試方法依照 EIA-364-20) 2.Mated connectors , apply 500VAC for 1 minute between adjacent terminal or ground . (在相鄰兩端子間通上 500VAC 電壓 1 分鐘。)	No damage Or deformation (無損壞或變形)

Mechanical Performance 【機械特性】

3.5.6	Insertion / Withdraw Force (插入力 / 拔出力)	ANSI / EIA-364-13 Insert and extract at a speed of 25 mm/min (插拔速度每秒 25mm，依據 EIA-364-13)	Insertion Force 0.50kg MAX (插入力 0.50kg 最大)	
			Withdraw Force 0.1kg min (拔出力 0.1kg 最小)	
3.5.7	Durability (耐插拔)	ANSI / EIA-364-09 Automatic cycling to 1500 cycles , Rate : 200 cycles per hours max (耐插拔 1500 次，插拔速度 200 次最大每小時，依據 EIA-364-09)	Appearance 外觀	No Damage Or Deformation (無損壞或變形)
			Contact Resistance (接觸阻抗)	20 mΩ MAX (20 mΩ 最大)
			Insulation Resistance (絕緣阻抗)	500 MΩ MIN (500 MΩ 最小)
			Dielectric Strength (耐電壓)	500V(AC)MIN (500V(AC)最小)

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Environmental Characteristics (環境特性)

3.5.8	Temperature life (耐高溫)	ANSI / EIA-364-17 Condition 4 85±2°C For 96 hours, Method A mated. (參照 EIA-364-17 條件 4 , 溫度：85±2°C 時間：96 小時)	Low level contact resistance per ANSI / EIA-364-23. 10mΩ maximum change from initial per contact pair, All sample to be mated.(所有測試後的樣品需測試接 觸阻抗， $\Delta < 10\text{m}\Omega$)
3.5.9	Humidity (恆溫恆濕)	ANSI / EIA-364-31 Temperature: 40±2°C, Duration: 96 hours Relative Humidity: 90~95% (依據 EIA-364-31,溫度：40±2 °C, 時間：96 小時， 相對濕度：90~95%)	Low level contact resistance per ANSI / EIA-364-23. 10mΩ maximum change from initial per contact pair, All sample to be mated.(所有測試後的樣品需測試接 觸阻抗， $\Delta < 10\text{m}\Omega$)
3.6.0	Cold test (耐寒性)	The jack shall be exposed in a cold chamber at a temperature of -55±2 °C for a period of 96h Thereafter , the jack shall be returned and allowed to remain in a room ambient for 30 minutes , before measurement , the dewdrops on jack shall be blown off to stabilize measurement . Test method complies with EIA-364-59. (產品放置在封閉的空間內，溫 度零下 55±2°C，96 小時後取出 置放在室溫下 30 分鍾，將產品 上水珠涼乾。測試依據 EIA-364- 59)	Low level contact resistance per ANSI / EIA-364-23. 10mΩ maximum change from initial per contact pair, All sample to be mated.(所有測試後的樣品需測試接 觸阻抗， $\Delta < 10\text{m}\Omega$)

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3.6.1	Salt Spray (鹽霧)	ANSI / EIA-364-26 Concentration : 5±1% Spray Time : 8±2h Ambient Temperature : 35±2℃ (依據 EIA-364-26 鹽水濃度 : 5±1% 噴霧時間 : 8±2h 溫度 : 35±2℃	Detrimental damage affecting to the performance shall not occur (無外觀不現象產生)
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4. QUALIFICATION TEST SEQUENCE

Table 1

Test or examination	Test group(A)						
	1	2	3	4	5	6	7
	Test sequence(B)						
Examination of product	1,5	1,4	1,3	1,5	1,6	1,5	1,3
Contact Resistance	2,4			2,4		2,4	2,4
Insulation Resistance		2					
Dielectric Withstand Voltage		3			2,5		
Durability				3			
Insertion force					3		
Withdraw force					4		
Temperature life			2				
Cold resistance	3						
Humidity test							3
Salt spray						3	
Sample size per test group	(4)	(4)	(4)	(4)	(4)	(4)	(4)

Note:

(a) Numbers indicate sequence in which tests are performed.

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5. QUALITY ASSURANCE PROVISIONS

5.1 Qualification Testing

5.1.1 Sample Selection

Connector housings and contacts shall be prepared in accordance with applicable Instruction Sheet and selected at random from current production.

5.1.2 Test Sequence

Qualification inspection shall be verified by testing sampling as specified in Para.4.0.

5.2 Re-qualification Testing

If changes significantly affecting form, fit, function are made to the product or to the manufacturing process , product assurance shall coordinate re-qualification testing, consisting of all or part of the original testing sequence as determines by development/product , quality and reliability engineering.

5.3 Acceptance

Acceptance is based on verification that the product meets the requirements. Failures attributed to equipment , test setup, or operator deficiencies shall not disqualify the product . When product failure occurs, corrective action shall be taken and samples resubmitted for qualification. Testing to confirm corrective action is required before resubmission.

5.4 Quality Conformance Inspection

The applicable quality inspection plan will specify the sampling acceptable quality level to be used . Dimensional and functional requirements shall be in accordance with the applicable product drawing and this specification.

材 质 证 明

兹有我司为贵司所提供的产品原料由以下物质组成：

产品名称/PA66 301 GF30%

组成成份：

PA66环保树脂	55.0%
环保 玻纤	30.0%
环保阻燃剂	15.0%

成型建议如下：

1. 烘干温度：120-140
2. 烘干时间：4-5小时
3. 成型温度：260-280° C

特此证明！

东莞市上洲塑胶科技有限公司

1 物品及厂商资料

产品名称：PA66 301 GF30%
供 应 商：东莞市上洲塑胶科技有限公司
地 址：东莞市常平镇陈屋贝工业区
电 话：0769—89291333
传 真：0769--86290269

2. PA66301G30bk 成份资料

化学名称	聚酰胺	玻璃纤维	CXB2000	增韧剂	抗氧剂	润滑剂
组份名称	PA66	GF	防火剂	增韧剂	抗氧剂	润滑剂
含量	54.7%	30%	10%	5.0%	0.2%	0.1%
备注						

3. 危害分类

危 害 分 类 效 应：_____无
环 境 影 响：_____无
物品作用及化学危害：_____无
特 殊 危 害：_____无

4. 急救措施

吸 入：若吸入熔解树脂出之气体，将患者移至通风处并立即送医院。
皮 肤 接 触：若接触到塑胶料或塑胶粉末，用清水冲洗，然接触到溶液以大量清水冲洗患部并立即送医院。

5. 消防措施

适 用 灭 火 器 具：_____水、泡沫、干粉。
灭火时可能遇到特殊伤害：_____无。
特 殊 灭 火 程 序：_____移开可燃物。
消防人员有特殊防护设备：_____使用氧式呼吸护罩。

6. 泄露处理方法

个 人 应 注 意 事 项：若塑胶料或塑胶粉末残留在地上，可能会导致人员滑倒。
环 境 注 意 事 项：及时回收
清 理 方 法：回收或废弃。

7. 安全处理及储存方法

处 理：经常查看，泄漏及时回收。