



Type Document	Product Specification	Revised /Edition	D
Date Issued	2010/03/04	Data Revised	2013/12/06
Subject : JS-11791SFTD JS-11791DFSTD 2.54mm (Single Row ; Double Row) SIP Socket			Issued By: Engineering Dept.

This specification is referred to the (Double Row ; Single Row)SIP Socket
 本規格書內容係提供 SIP 插座 2.54 mm 系列(單排 ; 雙排)產品相關參考 ,

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REV. (版本)	Revision Record (改版變更原因)	Date(日期)	EC No
B	增加漏電流小於0.5mA偵測值	2011/05/30	EC2011-05-088
C	1.鹽水噴霧週期變更為 12小時 2.耐久性 變更為30 Cycles 3.刪除硫化氫 4.修正 (EIA-364) 參考規範 5. 增列額定電壓100AC/DC 6. 額定電流Rated Current變更為3A AC/DC	2013/10/08	EC2013-10-008
D	1 增訂Wave Peak Soldering In- Process Temperature Profile 2.修訂Solder Ability 附註Tin Plated : 95% / Gold Plated : 75%	2013/12/06	EC2013/12/006



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1.0 Product Name/Part Number & Drawing Number (產品名稱 / 產品型號及圖面型號) :

Product Name(產品名稱)	Part Number(產品型號)	Drawing Number(圖面型號)
SIP Socket	Single Row 單排	JS-11791XSFTD
	Double Row 雙排	JS-11791DSFTD

Note: (XX) The number of the circuits.

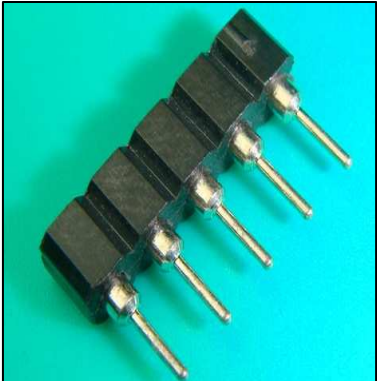
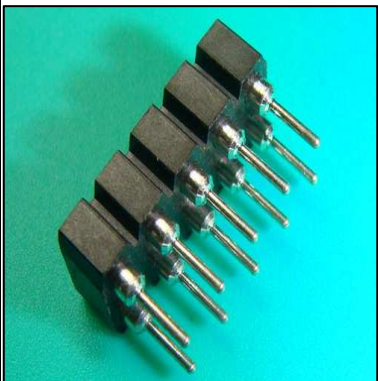
2.0 Construction/Dimensions/Material & Surface Finish (材質以及表面鍍層):

Part Name(零件名稱)	Material(材質)	Surface Finish(表面鍍層)
SIP Socket	Contacts (導體)	Beau 內襯 Sleeve Barrel 外套筒
		Beryllium Copper 鈹銅合金
		Brass
	Base(膠座)	PPS
		Gold-Plated
		Tin-Plated
		UL 94V-0

3.0 Characteristic (產品特性):

Item(項目)	Standard(標準規範)
3.1 額定電流 Rated Current	3 A AC/DC
3.2 額定電壓 Rated Voltage	100V AC/DC
3.3 Ambient Temperature Range 環境與操作溫度範圍	(操作使用溫度範圍) Operating Temp. : -40°C ~ +105°C
	(置存於環境當中溫度與濕度範圍) Non - Operating Temp. : -40°C ~ +105°C ; 90% R.H.
3.4 Applicable Printed Circuit Board Layout 適用電路板佈局設計	3.4.1 (電路板厚度) Thickness: 0.8~1.6 mm
	3.4.2 Pitch Layout(孔與孔間距離) : 2.54±0.10mm
	3.4.3 Pin Layout(導體孔外徑) : 0.80±0.05mm

4.0 Specimen(樣本圖示) :

Part Name / Part Number / Picture or Photograph	零件名稱 / 零件型號 / 樣本圖示
SIP Socket Single Row JS-11791SFTD	
SIP Socket Double Row JS-11791DSFTD	



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5.0 Applicable Standards(適用規範):

ANSI/EIA 364 ; EIA/ECA 364 Testing method for electrical connectors.

電子連接器，所適用之 ANSI/EIA 364 ; EIA/ECA 364 測試規範

6.0 Electrical Performance(電氣性能) :

Item(項目)		Test Condition(測試條件)	Requirement(規格)
6.1	(Low –Signal Level) Contact Resistance (低階信號) 接觸阻抗	A maximum voltage of 20mV and a maximum current of 10mA are applied to the mate connector. (EIA/ECA 364-23C) 以測試用 Pin 針與插座嵌合，於其兩端施以最大電壓 20mV 以及最大電流 10mA	Contact Resistance: 10 milliohms Max. 最大容許值. 10m 歐姆
6.2	Insulation Resistance 絕緣阻抗	Apply 500V D/C to any two adjacent contacts to measure the insulation resistance. (EIA 364-21C) 對相鄰兩接觸導體，各施以 500V D/C 電壓以量測其間絕緣阻抗值	Insulation Resistance: Initial 1000megohms Min 最初容許值. 1000M 歐姆
6.3	Withstanding Voltage 耐電壓	Apply 1000V A/C (rms) for 1 minute and the leakage current shall not exceed 0.5mA to the adjacent terminal and ground of the mate connectors. . (EIA 364-20C) 於相鄰兩導體末端各施以電壓 1000V A/C(實效值) 時間 1 分鐘，且漏電流必須小於 0.5mA(毫安培)	No breakdown or flashover. 無損毀或者產生火花

7.0 Environmental Performance(環境性能) :

Item(項目)		Test Condition(測試條件)	Requirement(規格)
7.1	Durability 耐久性	Mate Connectors up 30 Cycles at a Maximun rate of 10 cycles Per minute prior to environmental test (EIA/ECA 364-09C) 以組合狀態下連接器且未經環境測試，依每分鐘內進行 10 次嵌入與拔出之最大速率，連續 30 次嵌入與拔出往返測試	(After the test) Contact resistance : 經耐久性試驗後接觸阻抗： 10 mΩ Max



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Item(項目)	Test Condition(測試條件)	Requirement(規格)
7.2	<p style="text-align: center;">Humidity 恆溫恆濕</p> <p>A mated (with 0.46 Diameter test pin)connector shall be placed in a humidity chamber of the following conditions. After the test, the contact resistance, the insulation resistance and the dielectric withstanding voltage shall be measured. (EIA 364-31B Conditions III . Method A) 以測試用圓 Pin 針與插座嵌合, 放置於恆定溫度與濕度的空間, 依照隨附如下規格要求, 進行恆溫恆濕試驗, 並於試驗過後量測其接觸阻抗、絕緣阻抗、以及耐電壓測試。 Temperature(溫度): 60±2℃. Relative Humidity(相對濕度): 90%~95% (RH). Period(週期): 96 hours continuously. (持續 96 小時)</p>	<p style="text-align: center;">(After the test)</p> <p>Contact Resistance: 10millionhs Max. 經恆溫恆濕試驗後接觸阻抗 : 最大容許值. 10m 歐姆</p> <hr/> <p style="text-align: center;">(After the test)</p> <p>Insulation Resistance : 1000Megohms Min. 經恆溫恆濕試驗後絕緣阻抗 : 最小容許值. 1000M 歐姆</p> <hr/> <p>經恆溫恆濕試驗後耐電壓 : (After the test) Withstanding Voltage: 1000V A/C for 1 minute</p>
7.3	<p style="text-align: center;">Thermal Shock 冷熱衝擊</p> <p>A mated (with 0.46 Diameter test pin)connector shall be subjected to a thermal shock test of the following conditions. After the test, the contact resistance, the insulation resistance and the dielectric withstanding voltage shall be measured. 以測試用圓Pin針與插座嵌合作為試驗樣品, 依照隨附如下規格要求, 進行冷熱衝擊試驗, 並於試驗過後量測其接觸阻抗、絕緣阻抗、以及耐電壓測試。(EIA/ECA 364-32D Conditions I. Method A) One Cycle Consists Of: -55℃-3/+0℃ for 30 minutes. → Room Temp.5 minutes 85℃+3/-0℃ for 30 minutes. → Room Temp.5 minutes Total Cycles: 5 Cycles. 以-55℃-3/+0℃溫度持續 30 分鐘, 經室溫 5 分鐘, 而後再以 85℃+3/-0℃溫度持續 30 分鐘, 再經室溫 5 分鐘, 構成一次冷熱循環, 總計循環次數 5 次。</p>	<p style="text-align: center;">Same as paragraph 7.2 同 7.2 章節</p>



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Item(項目)	Test Condition(測試條件)	Requirement(規格)
7.4 Thermal Aging 高溫老化試驗	A mated (with 0.46 Diameter test pin)connector shall be placed in a heat oven of the following conditions. After the test, contact resistance shall be measured. (EIA 364-17B Conditions III . Method A) 以測試用圓 Pin 針與插座嵌合放置於加熱烤箱當中, 依照隨附如下規格要求, 進行高溫老化試驗, 並於試驗過後量測其接觸阻抗。 Temperature(溫度) : 85±2℃.	Initial Contact Resistance : 10 milliohms Max. 接觸阻抗最初容許值:10m 歐姆 (After the test) Contact Resistance : 20m Ω Max. . 經高溫老化試驗後接觸阻抗 : 最大容許值.20m 歐姆
7.5 Salt Spray 鹽水噴霧	A mated (with 0.46 Diameter test pin)connector shall be subjected to a Salt Spray test of the following conditions. After the test , the specimen shall be washed with running water and dried naturally before the measurement of contact resistance. (EIA 364-26B Conditions B) 以測試用圓 Pin 針與插座嵌合作為試驗樣品, 依照隨附如下規格要求, 進行鹽水噴霧試驗 , 試驗過後將樣品用清水沖洗並經過自然風乾 , 而後量測其接觸阻抗。 Density(鹽水密度): 5 % in weight. Temperature(溫度): 35±2℃. Period(週期): 12 ±4 hours	Initial Contact Resistance : 10 milliohms Max. 接觸阻抗最初容許值:10m 歐姆 (After the test) Contact Resistance: 20 milliohms Max. 經鹽水噴霧試驗後接觸阻抗 : 最大容許值. 20m 歐姆
7.6 Solder Ability 焊錫性	Fluxed soldering section of header shall be dipped in solder of the following conditions. 將連接器 pin 針基板嵌入端, 接觸熱溶狀錫料, 依照隨附如下規格要求, 進行焊錫性試驗 Solder Temperature (焊錫溫度) : 245 ± 5℃. Immersion Period (沉浸週期) : 3 ±0.5 Seconds (操作方式) : 料件焊錫位置, 距離導體末端 1.5mm Method : 1.5mm from contact tip (EIA 364-52B)	Solder entirely (Tin Plated : 95% / Gold Plated : 75%) of immersed area must show no voids or pinholes. 焊料覆蓋面積必須達到 (鍍錫 95% / 鍍金 75%), 而且不能產生氣孔或空隙
7.7 Resistance to Soldering Heat 焊錫耐熱性	By Wave Soldering(波峰焊適用溫度範圍) : Refer to Temperature Profile 請參考 7.7.1 溫度曲線圖 (EIA-364-71B) by soldering iron 手工烙鐵焊錫適用溫度範圍 : 350 ± 5℃ 3±0.5 Seconds. (操作方式) : 料件焊錫位置, 距離導體末端 1.5mm Method : 1.5mm from contact tip (EIA/ECA 364-56C Procedure 3. Conditions A)	No deformation or damage. 不可有變形或損壞

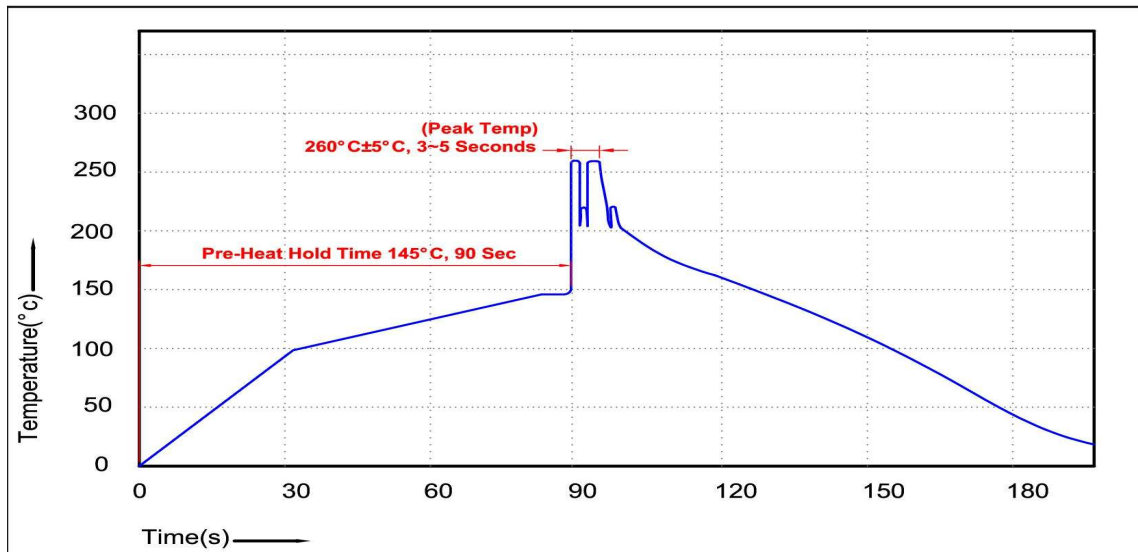


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Notes : Flowing Mixed Gas (EIA 364-65A) shall be conduct by Customer request 混合流動氣體測試依照客戶需求

7.7.1 Temperature Profile(溫度曲線圖) :

Wave Peak Soldering In- Lead-Free Process 波峰焊無鉛制程 :



8.0Remark(備註) : Any change or revision for the product specification will not be announced in advance.

Please contact our sales representative for the latest information.

有關規格書內容經變更或改版，如未能夠及時發佈與通知，煩請連絡我司業務人員以提供產品最新資訊

Reviewed: J.M.Chang Approved: Peter Chang Verified: Tom Wang