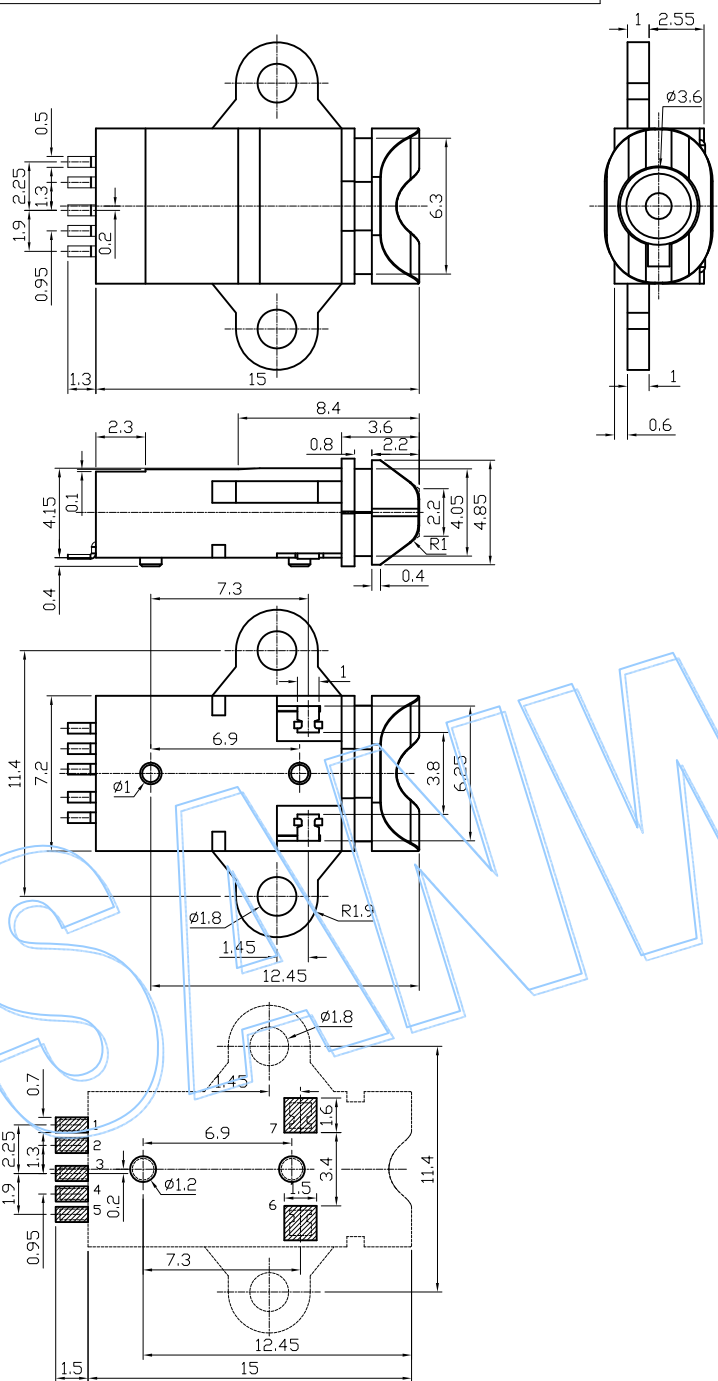


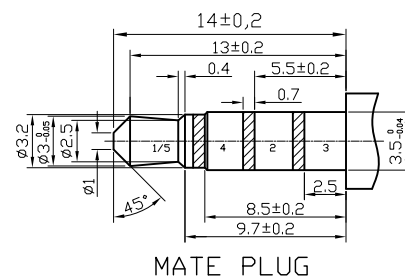
SYMB	REVISION	DATE	APVD.	SYMB	REVISION	DATE	APVD.	VERSION: 2	F5A-93-1/1
								MODE	Stereo
								TIMING	
								LINE(S)	CIRCUIT
									STROKE

Without any banned substance! Compliance with RoHS!

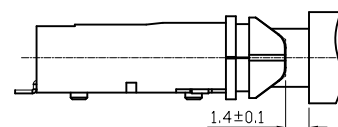


Recommended PAD Layout $\Phi \pm 0.05$
TOP VIEW

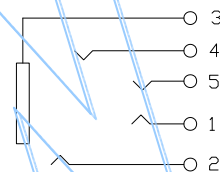
All diameter dimensions tolerance is ± 0.05 , other is ± 0.1 .



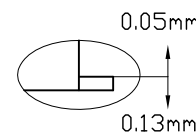
MATE PLUG



完全插入插头后, 插座前端与插头根部间距尺寸



CIRCUIT DIAGRAM



COPLANARITY

技术说明: 此产品防水等级: IP-X7.

PACKING DETAIL

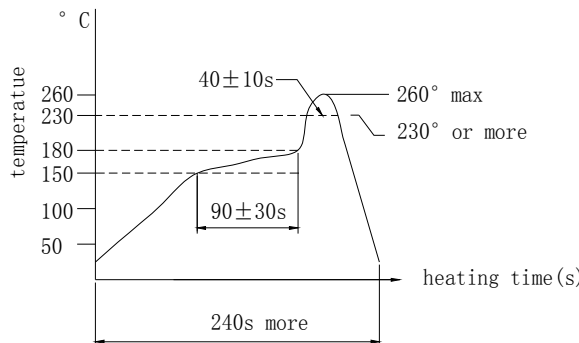
<QTY:550PCS/REEL>

TYPE	HEADPHONE JACK	UNIT	mm	9					
SERIES	PJES-059	SCALE	3:1	8					
PART NO.	PJES-059-1-G-BLK	DATE	13/01/26	7					
SPEC. NO.	SETD01544	PAGE	1/5	6					
DRAWN	CHECKED	APVD.	TOLERANCE	5					
李	任	梁	ANGLE	4	COVER	High temperature resistant plastic material	1	BLACK	
晓斌	明华	成元	UP TO 1	3	HOUSING	High temperature resistant plastic material	1	BLACK	
			ABOVE 1 ~ 5	2	TERMINAL	SUS	4	Au PLATED	
			ABOVE 5 ~50	1	TERMINAL	CU ALLOY	3	Au PLATED	
SANWIN ELECTRONIC TECHNOLOGY CO. LTD.				NO.	NAME	MATERIAL	QTY.	FINISHING	

產品規格書				檔編號No. :	頁數Page
SPECIFICATION				SETD01544	P2/5
產品類別Type:	耳機插座Headphone Jack			Prepared	Checked
產品系列Series:	PJES-059	版本Version:	1		
產品編號Part No.:	PJES-059-1-G-BLK	日期Date:	2012/4/17		
1. 通則 General Characteristics:					
1.1 應用範圍 Application range: 此產品規格書適用於耳機插座 PJES-059。 This product specification is applied to the PJES-059 Headphone Jack.					
1.2 使用環境條件 Acclimatization: 使用溫度範圍 Operating Temperature rang:-20℃ ~ 70℃ 保存溫度範圍 Preservative Temperature:-30 ~ 80℃					
1.3 測試條件Test Conditions: 若沒有特別說明，則試驗條件如下： Unless otherwise specified,the atmospheric for marking measurements and tests are as follows: 溫 度 Temperature:20±2℃ 相對濕度 Relative Humidity:45 ~ 85% 氣 壓 Air pressure:86 ~ 106Kpa 如對判定產生疑義，則試驗按以下條件進行： However,if the decision based on the measurements suspicion conditions, the following conditions shall be employed: 溫 度 Temperature:20±2℃ 相對濕度 Relative Humidity:65±5% 氣 壓 Air pressure:86 ~ 106Kpa					
2. 外觀和安裝尺寸 Appearance & Mounting Dimensions:					
2.1 外觀 Appearance: 產品外觀良好，無破損、銹蝕、裂紋和鍍層缺陷。 The switch shall have good finishing,and no rust,crack plating defects.					
2.2 安裝尺寸Mounting dimensions: 應符合產品設計要求，詳見成品圖。 Should comply with the design requirements of products, see the finished product drawing.					
3. 回路方式 Circuit Mode:					
4. 額定負荷及壽命 Rating and Oerating life.					
額定負荷 Rated load:DC 12V,1A Max 機械壽命 Mechanical life:5 , 000次					
5. 操作力operating force : 0.3-3KG					
6 電氣性能Electrical Characteristics					
專案Item	測試條件Test Conditions			標準Criteria	
6.1 接觸電阻 Contact Resistsnce	以1A 5VDC或者1KHz±200Hz(20mv max.50mA MAX)採用電壓降法測量。 Shall be measure at 1KHz±200Hz(20mv Max,50mA Max) or 1A 5V DC by voltage drop method.			常態Normal 50mΩ以下 50mΩ max 氣候及壽命試以後After climate and life test. 100mΩ 以下 100mΩ max	

產品規格書				檔編號No. :	頁數Page
SPECIFICATION				SETD01544	P3/5
產品類別Type:		耳機插座Headphone Jack		Prepared	Checked
產品系列Series:		PJES-059	版本Version:	1	李 晓斌
產品編號Part No.:		PJES-059-1-G-BLK	日期Date:	2012/4/17	
6.2 絕緣阻抗 Insulation Resistance		在相互絕緣的所有端子之間及各接線端子與外露的非載流金屬零件之間加載500VDC ,持續時間60±5S. 500V DC Voltage is applied between each pair of terminals and between the terminal and the metalframe for 60±5S.			常態Normal 100MΩ以上 100MΩ Min 氣候及壽命試以後After climate and life test. 10MΩ 以上 10MΩ min
6.3 抗電強度 Dielectric strength		在相互絕緣的所有接線端子之間加載500V (50 ~ 60Hz 洩漏電流2mA)的交流電, 各接線端子與外殼或非 載流金屬零件之間加載500V(50 ~ 60Hz洩漏電流 2mA)交流電, 持續時間60±5S. AC 500V(50-60Hz)2mA alternate current load is applied between open terminals connected with wires or 500V (50-60Hz), 2mA Alternate current loa for 60±5S.			無擊穿和飛弧現象 The switch without dielectric breakdown and fly arc phenomenon.
7 機械性能 Mechanical Charateristics					
專案Item		測試條件 Test method			標準Criteria
7.1 振動 Vibration Proof		插座採用常規安裝方法牢固地安裝在實驗設備上, 按下述參數進行實驗： 1) 振頻：10-55Hz 2) 振幅：1.5mm 3) 振動變化速率：10 ~ 55 ~ 10Hz大約1分鐘 4) 變頻方法：線形方式 5) 振動方向：三個互相垂直的方向, 其中一個方向為操作元件運動的方向。 Jack shall be secured to a testing machine by a normal mounting device and method,,Switch shell be measured after following test: 1)Vibration frequency range:10 ~ 55Hz 2) Total amplitude:1.5mm 3)Sweep ratio:10 ~ 55 ~ 10Hz,Approx 1 minute, 4)Method of changing the sweep vibration frequency linear, 5)Direction of vibration:Three perpendicular directions including actuating direction.			無機械和電氣損傷。 The switch shall be free from mechanical and electrical damage. 符合第6.1、6.2、6.3第7.1條要求。 According to item 6.1、6.2、6.3 and 7.1to examine
7.2 衝擊 Impact Shock test		1)加速度 Acceleration：80G 2)衝擊次數：六個方向3次, 共18次 2)Cycle of test:3cycles each in 6 directions,for a total18 cycles.			

產品規格書				檔編號No. :	頁數Page	
SPECIFICATION				SETD01544	P4/5	
產品類別Type:	耳機插座Headphone Jack			Prepared	Checked	Approved
產品系列Series:	PJES-059	版本Version:	1	李 晓斌	任 明华	梁 成元
產品編號Part No.:	PJES-059-1-G-BLK	日期Date:	2012/4/17			
8 耐候試驗 Weather Proof Characteristics						
專案Item	測試條件 Test method			標準Criteria		
8.1 高溫 Hot Proof	試件在85±2℃的溫控箱內保持48小時，然後在正常溫度和濕度下恢復1小時，並在此後的1小時內對試件進行測量，水滴應消失。 After testing at 85±2℃ for 48 hours,the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hour and measurement shall be made with 1 hour after that, water drops shall be eliminated.			無機械和電氣損傷。 The switch shall be free from mechanical and electrical damage.		
8.2 恒定濕熱 Moisture Resistance	試件在40±2℃,90~95%RH的溫控箱內保持48小時，然後在正常溫度和濕度下恢復1小時，並在此後的1小時內對試件進行測量。水滴應消失。 After testing at 40±2℃,90~95%RH for 48 hours,the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hour and measurement shall be made with 1 hour after that,Water drops shall be eliminated.			符合第6.1、6.2、6.3第7.1條要求。 According to item 6.1、6.2、6.3 and 7.1to examine		
8.3 低溫 Cold Proof	試件在-35±2℃的溫控箱內保持48小時，然後在正常溫度和濕度下恢復1小時，並在此後的1小時內對試件進行測量，水滴應消失。 After testing at -35±2℃ for 48 hours,the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hourand measurement shall be made with 1 hour after that, water drops shall be eliminated.					
8.4 溫度轉換 Temperature Cycling	試件按下述試驗條件試驗5個迴圈，然後在正常溫度和濕度下恢復1小時，並在此後的1小時內對試件進行測量，水滴應消失。 After 5 cycles of following conditions,the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hourafter that,Water drops shall be eliminated.					
temperature ° C 60 40 20 0 -10 30 15 30 15 time (MIN)						

產品規格書				檔編號No. :	頁數Page	
SPECIFICATION				SETD01544	P5/5	
產品類別Type:	耳機插座Headphone Jack			Prepared	Checked	Approved
產品系列Series:	PJES-059	版本Version:	1	李 晓斌	任 明华	梁 成元
產品編號Part No.:	PJES-059-1-G-BLK	日期Date:	2012/4/17			
9 耐久性試驗 Durability Characteristics						
專案Item	測試條件 Test method			標準Criteria		
9.1 壽命試驗 Operating Life	1)在不帶負荷的條件下，在壽命測試設備上連續轉換5,000次，頻率：15-20次/分鐘。 1)5,000 cycles of operation shall be performed continuouslycycles without load at a rate of 15-20 cycles per minute.			動作力：初始值的±30% Operating force: Within ±30% initialization value. 其餘符合第6.1、6.2、6.3、7.1 條 Etceteras according to item 6.1, 6.2, 6.3 ,7.1 to examine.		
10.焊接Soldering						
專案Item	測試條件 Test method			標準Criteria		
10.1 耐焊接熱 Solder Heat Resistance	試件在下述條件下進行試驗： 1) 焊接溫度:260±5℃； 2) 焊接時間：5±1S; 3) 熔錫面積：PCB板厚度的一半 (PCB：t=1.6)。 Specimen shall be checked in the following conditions test: 1)Soldering temperature:260±5℃； 2)Soldering time:5±1S; 3)Soldering area：1/2 of PCB board thickness(PCB:t=1.6).			無機械和電氣損傷。 The switch shall be free from mechanical and electrical damage.		
10.2 回流焊 Reflow Soldering				外觀無裂開、鬆動等異常現象，滿足於電氣性能。 Without deformation of frame or excessive looseness of terminals , Electrical performance shall be satisfied.		
10.3 可焊性 Solderbilty	焊接溫度：255±5℃ Solder temperature: 255 ±5℃. 浸漬時間：3 ±0.5S Dipping time: 3 ±0.5 second.			超過90%的浸漬覆蓋焊接。 More than 90% of the dipping covered by solder.		