

IECQ QC080000

承認書

APPROVED SHEET



ISO9001: 2008



ISO14001:2004

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| 客 戶 | 華原股份有限公司 | |
| 品 名 DESCRIPTION | PIN JACK | |
| 客戶料號 CUSTOMER P/N | | 制作者 THE PRODUCER |
| 應用機種 APPLICATION | | |
| 旭全料號 S.C. P/N | SCP606UNT1T0000G (For RoHS Compliant) | 核准 APPROVAL |
| 業務擔當者 SALES IN CHARGE | 丁蕙羽 | |
| 提出日期 ISSUE DATE | Sep/30/2015 | |

旭全精密工業股份有限公司

旭全精密工業 (深圳) 有限公司

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SPECIFICATIONS 仕様書

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| S.C. MODEL NO.: SCP606UNT1T0000G (For RoHS Compliant) | DATE | Sep/30/2015 |
| DESCRIPTION: PIN(RCA) JACK | PAGE | 1/3 |
| 1. GENERAL 概要 | | |
| 1.1 Scope 適用範囲 | | |
| <p>The specification covers the requirements for PIN(RCA) JACKS intended for audio, video, mixer, TV, and computer related products including LCD monitor, multi-media speaker, network systems.</p> <p>この規格はピンジャックに適用されるものであって、音響とビデオとミキサーとテレビとパソコンと LCD モニターとマルチメディアスピーカーとネットワーク系統に使っている。</p> | | |
| 1.2 Compliance with specification 仕様承諾事項 | | |
| <p>The specification shall be read in conjunction with the applicable part drawing and the individual specification, if any. Whenever this specification conflicts with the applicable part drawing and/or the individual specification, the latter shall govern.</p> <p>この規格は製品図面と個別の仕様をあわせて参照するものとする。本規格に準拠しない項目がある場合は、製品図面記載事項が本規格より優先する。</p> | | |
| 2. REQUIREMENTS 必要条件 | | |
| 2.1 Electrical 電気的性能 | | |
| 2.1.1 Dielectric strength 絶縁耐力 | | |
| <p>The Pin(RCA) jack shall withstand, without failure, a potential of 500 volts r.m.s. 50/60Hz applied between mutually insulated metal parts for one minute.</p> <p>AC50Hz もしくは 60Hz で 500V を 1 分間印加して耐えうること。</p> | | |
| 2.1.2 Insulation resistance 絶縁抵抗 | | |
| <p>Insulation resistance between mutually insulated metal parts shall be more than 100 Mega-ohms when measured with a 500 volts DC insulation resistance meter.</p> <p>導体相互間に DC 500V を印加して 100MΩ 以上であること。</p> | | |
| 2.1.3. Contact resistance 接触抵抗 | | |
| <p>Contact resistance shall be less than 30milli-ohms when measured at 1kHz less than 100 mill-Amperes of a current.</p> <p>1kHz、100mA 以下の交流を用いて測定し 30mΩ 以下であること。</p> | | |



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| <p>3. Mechanical 機械的性能</p> <p>3.1 Insertion and Extraction force 挿入力と抜去力 Insertion force: 3Kgf Max. 挿入力: 3kgs 以下 Extraction force: 0.4Kgf Min. 抜去力: 0.4kgs 以上</p> <p>3.2 Terminal strength 端子強度 The terminal shall be capable of withstanding a force of 0.5kg applied in any direction for 0.5 seconds without loosing and breakdown. ピンジャックのカバーを固定し、端子に 0.5kg の静荷重を 0.5 秒間加えても異常のないこと。ただし端子の変形は認めるものとする。</p> <p>4. Physical 物理的性能</p> <p>4.1 Resistance to soldering heat test 半田耐熱試験 The jack terminal shall be dipped into soldering flux and then shall be immersed into molten solder at a temperature of $225^{\circ}\text{C}\pm 5^{\circ}\text{C}$ for a period of 5 ± 0.5 seconds. At the conclusion of this test, the jack shall comply with paragraphs 2.1.1, 2.1.2, 2.1.3, 3.1 and 3.2, and be in operating condition. $225^{\circ}\text{C}\pm 5^{\circ}\text{C}$ の半田槽に 5 ± 0.5 秒間端子部を浸漬し、2.1.1、2.1.2、2.1.3、3.1 および 3.2 を満足すること。</p> <p>5. Environmental 環境</p> <p>5.1 Humidity test 耐湿試験 The jack shall be exposed in a humidity chamber at a temperature of $40^{\circ}\pm 2^{\circ}\text{C}$ and at a relative humidity of 90 to 95% for a period of 48 hours, dewdrops on the surface of jack shall be blown off, thereafter, the jack shall be allowed to remain in a room ambient for 3 hours to stabilize measurement. At the conclusion of this test, the jack shall comply with paragraph 2.1.1 and insulation resistance between mutually insulated metal parts shall be more than 10 Mega-ohms. 温度 $40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ で相対湿度 90~95% の恒温恒湿槽中に 48 時間放置後、水滴を切り常温常中に 3 時間放置後 2.1.1 を満足し、絶縁抵抗 10MΩ 以上であること。</p> <p>5.2 Heat test 耐熱試験 The jack shall be subjected to a temperature of $70^{\circ}\pm 2^{\circ}\text{C}$ for a period of 24 hours, then shall be allowed to remain in a room ambient conditions for 3 hours. At the conclusion of this test, the jack shall not show remarkable failure. 温度 $70^{\circ}\text{C}\pm 2^{\circ}\text{C}$ の恒温槽中に 24 時間放置後、常温常湿中に 3 時間放置し、外観構造等に著しい異常のないこと。</p> | | |



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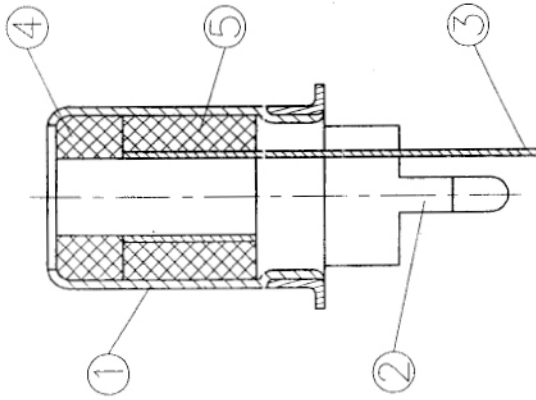
6. Endurance 耐久性

6.1 Life test 寿命試験

The life test shall consist of 5000 cycles of insertion and extraction with the mate plug or gauge plug covered with a thin coat of grease in order to prevent from heating or wearing at a rate of 20 to 30 cycles per minute under no load. At the conclusion of this test, the jack shall comply with paragraphs 2.1.1, 2.1.2, 2.1.3, 3.1, and 3.2, and be in operating condition.

無負荷状態で適合プラグもしくはゲージプラグを毎分 20~30 回の割合で 5000 回の挿入抜去を行なう。プラグは摩擦による過熱摩耗防止のため折動部に接点用グリースを塗布のこと。その結果が 2.1.1、2.1.2、2.1.3、3.1 および 3.2 を満足すること。

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| SCHEMATIC | |
| MODEL NO | U |



A-A剖示圖

| NO. | Description | Material | Q'TY | Finish |
|-----|------------------|-------------|------|----------------|
| 5. | Insulator | PBT | 1 | Black Color |
| 4. | Insulator | PBT | 1 | Black Color |
| 3. | Pin | 0.25T Brass | 1 | Tin Plating |
| 2. | Mounting Bracket | 0.4T Iron | 1 | Tin Plating |
| 1. | Phone Jack Shell | 0.3T Brass | 1 | Nickel Plating |

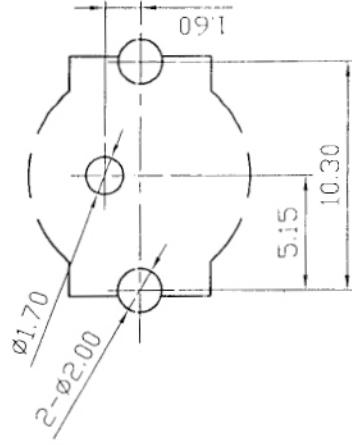
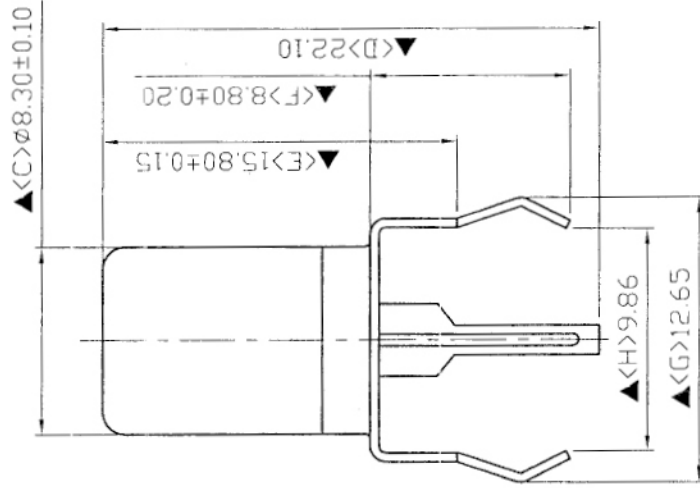
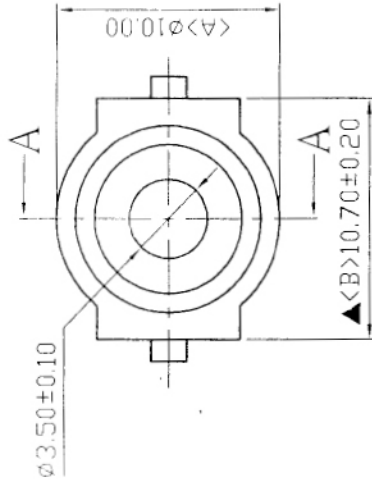
S.C. PRECISION INDUSTRIAL CO., LTD.

PART NAME : PIN JACK

PART NUMBER: SCP606UNT1T0000G

VERSION: 6.0

TOLERANCE : ±0.3mm UNLESS OTHERWISE SPECIFIED



Pin Hole Layout
(Jack Bottom View)



SPECIFICATIONS:
 Contact Resistance : 30mΩ max
 Insulation Resistance : 100MΩ min. at DC 500V
 Dielectric Withstand Voltage : AC 500V for one minute
 Remark: ▲ : The Most Important Dimension