

SPECIFICATION

承認書

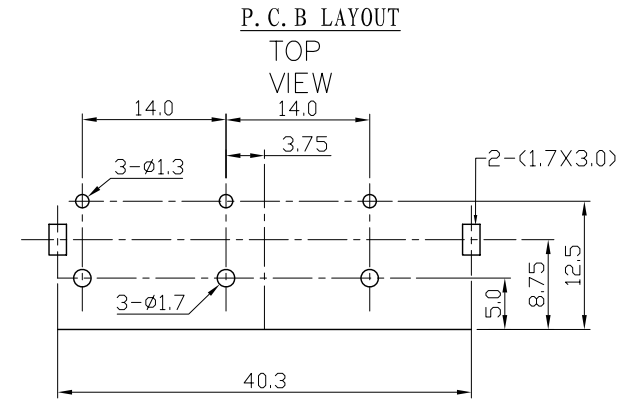
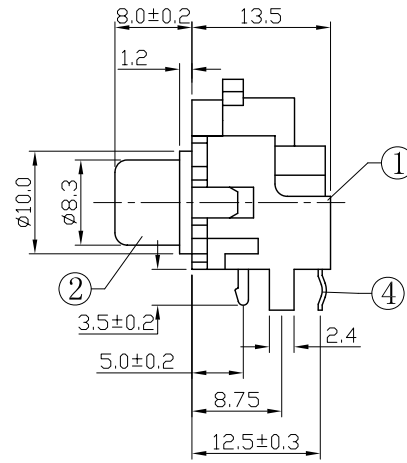
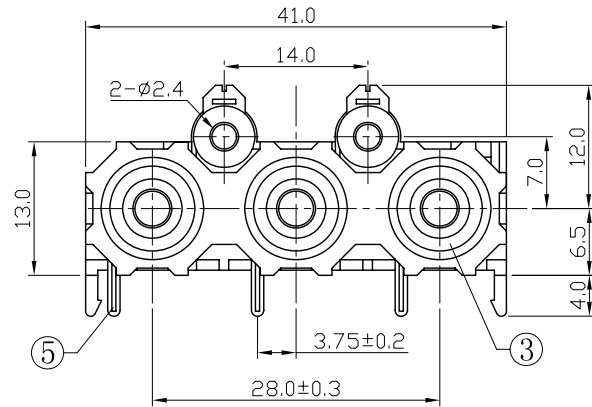
DESIGNATION 品名：RCA JACK		MODEL 型號：KLS1-RCA-305 - N		EDITION 版本：01	PAGE 頁碼：1 of 2
1. RATING 額定值:				50V 0.3A	
2. OPERATION TEMPERATURE RANGE 使用溫度範圍：				-20~+70°C	
3. PRESERVATIVE TEMPERATURE RANGE：保存溫度範圍：				-40~+85°C	
4. CONSTRUCTION DIMENSION 結構尺寸：				Apply to the appended drawing： 符合附加圖紙	
ITEM 項目		TEST CONDITION 測試條件		SPECIFICATION 規格	
5. ELECTRONICAL CHARACTERISTICS. 電氣性能.					
5A	CONTACT RESISTANCE 接觸阻抗	Being measured at 1KHz small current contact resistance meter. 在 1KHZ 小電流下測量.		30mΩ max 30 毫歐以下.	
5B	INSULATION RESISTANCE 絕緣阻抗	Measurements shall be made following application of DC500V potential across terminals and across terminals and frame for 1 minute. 在端子之間和端子與殼之間加 DC 500V 條件下, 持續 1 分鐘測量.		100MΩ min 100 兆歐以上.	
5C	WITHSTAND VOLTAGE 耐電壓	AC 500V (50Hz or 60Hz) shall be applied across terminals and across terminals and frame for one minute 在端子之間和端子與殼之間加 AC 500V(50HZ 或 60HZ)條件下, 持續 1 分鐘測量.		There shall be no breakdown. 無擊穿現象出現.	
6. MECHANICAL CHARACTERISTICS. 機械性能.					
6A	INSERTION AND WITHDRAW FORCE 插拔力	Being measure at across spring piece and across matching plug for ergometer 用測力計在插頭與彈片之間進行測量.		Insertion and extraction force 3-25N 插拔力 3-25N	
6B	TERMINAL STRENGTH 端子強度	A static force of 500gf being applied in one direction on the tip of terminal for 1 minute. 一個 500 克之靜負荷施加於端子頂部的一個方向持續 1 分鐘。		There shall be no sign of damage mechanically and electrically. 無任何迹象顯示機械及電氣性能之損壞.	
7. DURABILITY. 耐久性.					
7A	SOLDERING TEST. 可焊性試驗	The tip of the terminals shall be dipped 2mm in the solder bath at a temperature of 240±5°C for 3±0.5sec. 端子頂部被浸入焊錫池 2mm 深, 溫度 240±5°C 時間 3 ±0.5 秒。		A new uniform coating of solder shall cover a minimum of 90 of the surface being immersed. 浸入的部分 90%以上表面將被錫覆蓋.	
7B	RESISTANCE TO SOLDERING HEAT 耐焊接熱	Soldering area:t/2 of P.C.B thickness 焊接面積：印刷基板的 1/2 厚度處 Temperature:240±5°C Sinking time: 5±1S. 焊接溫度：240±5°C，焊接時間：5±1 秒。		No damage (electrical and mechanical) 無異常。(電氣、機械特性)	
EDITION 版本	DATE 日期	WRN 制定	CHKD 審核	APVD 批准	DESCRIPTIONS 備註

寧波開樂電子有限公司

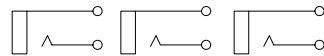
SPECIFICATION

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DESIGNATIO 品名 : RCA JACK		MODEL 型號 : KLS1-RCA-305 - N	EDITION 版本 : 01	PAGE 頁碼 : 2 of 2	
ITEM 項目		TEST CONDITION 測試條件		SPECIFICATION 規格	
7C	LIFE TEST. 壽命試驗	5,000 cycles of operation at a rate of 20-30 cycles per minute with unloading. 無負載條件下,每分鐘 20-30 次的速度操作 5,000 次。		(1). Contact resistance . 40m Ω max 接觸阻抗 40 毫歐以下. (2). Insertion and withdraw force 30 initial value 插拔力變化範圍初始值 30% (3). ITEM 專案-5B (4). ITEM 專案-5C (5). ITEM 專案-6B	
7D	HEAT TEST. 耐熱試驗	85 ± 2 °C for 48 hours after test keep in normal condition for 30 minutes. 在 85±2°C 環境中放 48 小時,再放在正常環境中 30 分鐘後進行測試。		(1). Contact resistance 50m Ω max.接觸電阻 50 毫歐以下 (2). Insulation resistance. 50M Ω min. 絕緣電阻 50 兆歐以上 (3). There shall be no sign of damage mechanically and electrically. 無任何迹象顯示機械及電器性能之損壞.	
7E	HUMIDITY TEST. 耐濕試驗	The condition of temperature 40±2°C and humidity 90-95% for 48 hrs. after test keep in normal condition for 30 min. 在溫度 40±2°C , 濕度 90-95%環境中放 48 小時,再放在正常環境中 30 分鐘後進行測試。			
7F	COLD TEST. 耐冷試驗	At -40±2 °C for 48 hrs. after test keep in normal condition for 30 min. 在-40±2°C 環境中放 48 小時,再置於正常環境中 30 分鐘後進行測試。			
7G	SALT SPRAY TEST 鹽霧試驗	At 5% Nacl liquor for 24 hours, after washing, keep in normal condition for 30 min. 浸入 5%的 Nacl 溶液中 24 小時,用水清洗並在室溫下放置 30 分鐘		Without excessive Corrosion or crack in appearance 表面無明顯腐蝕或裂紋	
8. STANDARD CONDITION 試驗、測定狀態					
<p>Unless otherwise specified, the test and measurements shall be carried out as follows: Ambient temperature 溫度 : 5-35°C Relative humidity 相對濕度 : 45~85% Air pressure 氣壓 : 86~106kPa(860~1060mbar)</p> <p>However if doubt arises on the decision based on the measured values under the above-mentioned conditions, the following condition shall be employed:但在對判定產生疑義時,按下述狀態實施 :</p> <p>Ambient temperature 溫度 : 20±2°C Relative humidity 相對濕度 : 65±5% Air pressure 氣壓 : 86~106kPa(860~1060mbar)</p>					
EDITION 版本	DATE 日期	WRN 制定	CHKD 審核	APVD 批准	DESCRIPTIONS 備註

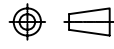


SCHEMATIC



SPECIFICATION

1. Rating : 50V 0.3A;
2. Contact resistance: $\leq 30\text{m}\Omega$;
3. Insulation resistance: $\geq 100\text{M}\Omega$ (DC250V);
4. Withstand voltage: 500VAC ;
5. Insertion and extraction force: 3-25N;
6. life test: 5,000 cycles.

5	CONTACT FOOT	3	BRASS	Sn-Plating	
4	CONTACT FOOT	3	BRASS	Sn-Plating	
3	AXIS SUPPORT	3	ABS		
2	AXIS SUPPORT	3	BRASS	Ni-Plating	
1	HOUSING	1	ABS		
NO.	DESCRIPTION	QTY	MATERIAL	PLATING	
UNIT: MM		TYPE: RCA JACK		MODEL NO: KLS1-RCA-305-N	
		PAPER NO: A4		PAGE 1 OF 1	
		TOLERANCE	ANGLES	SCALE	VER
		± 3.0	± 2.0°	1: 1	1
DESIGNER BY:					
CHECK BY:					
APPROVED BY:					