

Product Specification

GENERAL SPECIFICATION

1.0 SCOPE

This specification defines the basic requirements for all Phono (RCA) pin jacks. Specifications on individual data sheets supersede any general specifications provided herein.

2.0 MECHANICAL

2.1 Dimensions: This device shall have the dimensions as shown in the outline drawing. All measurements stated in millimeters.

2.2 Material: Standard materials listed. Others available on request.

2.2.1 Base: ABS 94HB.

2.2.2 Cover: ABS 94HB.

2.2.3 Washer: ABS 94HB.

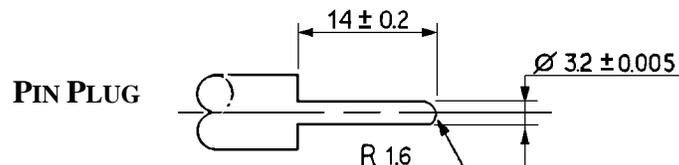
2.2.4 Pins/Terminals: C2680 H 0.5t with Sn, Ni or Au plating.

2.2.5 Cap/Ground: C2600 1-0 0.4t with Ni or Au plating.

2.3 Plug Mating Strength: Measured after 3 insertion/extraction cycles with pin plug conforming to the stated dimensions:

2.3.1 Insertion force: 3.5kg maximum

2.3.2 Extraction force: 0.3 ~ 3kg



2.4 Terminal Strength: The terminal shall be capable of withstanding a force of 1Kgs applied in any direction for 10 seconds without detaching or breakdown.

2.5 Tap Strength: M3*8 screw fastener inserted with torque of 6Kgf for 10 seconds without loosening or breakdown.

2.6 Durability: Measured after 500 insertion/extraction cycles at 10 to 20 cycles per minute there are no changes in the electrical or physical characteristics.

2.7 Weight & packing: Polybag or plastic tray inside corrugated cardboard carton. Quantities vary with item.

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800-227-0075

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3.0 ELECTRICAL

- 3.1 Rated Voltage: AC, DC 34V 2A.
- 3.2 Dielectric Strength: 60seconds @ 500 VAC.
- 3.3 Contact Resistance: 30mΩ maximum
- 3.4 Insulation Resistance: Insulation resistance between mutually insulated metal parts shall be greater than 100MΩ @ 500V DC for 60 seconds. Measurement made with a 500V DC MEGOHM TESTER.
- 3.5 Insulation Withstanding Voltage: 500V AC for 60 seconds.
- 3.6 Operating Temperature: -10°C to +60°C.

4.0 ENVIRONMENTAL

Unless otherwise specified, when subject to the following conditions, devices within this specification shall have no change in appearance, physical dimensions or functionality.

- 4.1 Humidity Test: The jack shall be exposed in a humidity chamber at a temperature of 40°C ± 2°C at a relative humidity of 90% to 95% for period of 48 hours. Thereafter, the jack shall be allowed to remain at room ambient for 30 minutes to stabilize final measurements.
- 4.2 Heat Test: The jack shall be subjected to a temperature of 70°C ± 2°C for a period of 24 hours. Thereafter, the jack shall be allowed to remain at room ambient for 30 minutes to stabilize final measurements.

5.0 SOLDERABILITY

- 5.1 Solderability Test: The jack shall be dipped into soldering flux for 3 ± 0.5 seconds in a solder bath maintaining a temperature of 230°C ± 5°C. At the conclusion of this test, the tested area which was immersed in the flux shall be at least 75% covered with fresh solder.
- 5.2 Soldering Heat Test: Soldering iron at 260°C ± 10°C for 3 ± 0.5 seconds. Jack placed in printed circuit board (1.6mm thickness) and terminals are soldered over the entire periphery.

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