

# SPECIFICATION

## I CONSTRUCTION

### A) DESIGN and CONSTRUCTION

The jack shall be of the design, construction and dimensions as shown in the applicable part drawing.

### B) COMPONENTS and MATERIALS

Components and materials used shall be as shown in the applicable part drawing.

## II MECHANICAL

### A) INSERTION and EXTRACTION FORCE

Insertion and extraction force shall be a value as specified in items (1) and (2) below.

#### (1) Insertion force

a. Before test or initial: 0.4 kg to 3 kg.

b. After resistance to soldering heat test: 0.3 kg to 2 kg.

#### (2) Extraction force

a. Before test or initial: 0.4 kg to 3 kg.

b. After resistance to soldering heat test: 0.3 kg to 2 kg.

### B) TERMINAL STRENGTH

The jack shall not break down and not drop the terminal except bending the terminal. Bending the terminal shall be acceptable.

## III ELECTRICAL

### A) DIELECTRIC STRENGTH

The jack shall withstand alternating current of 500V at a commercial frequency of 50 Hz or 60 Hz for a period of one minute.

### B) INSULATION RESISTANCE

Insulation resistance of mutually insulated terminals shall be 100M ohm at 250V DC before testing.

### C) CONTACT RESISTANCE

Contact resistance of the jack shall not exceed 50M ohms at a current of less than 100 milliamperes.

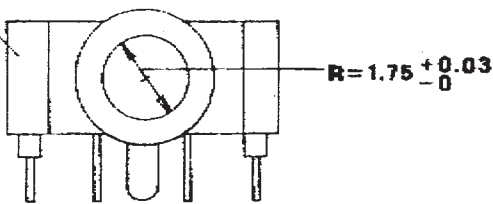
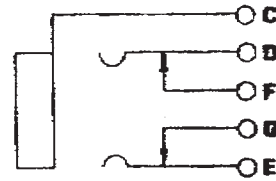
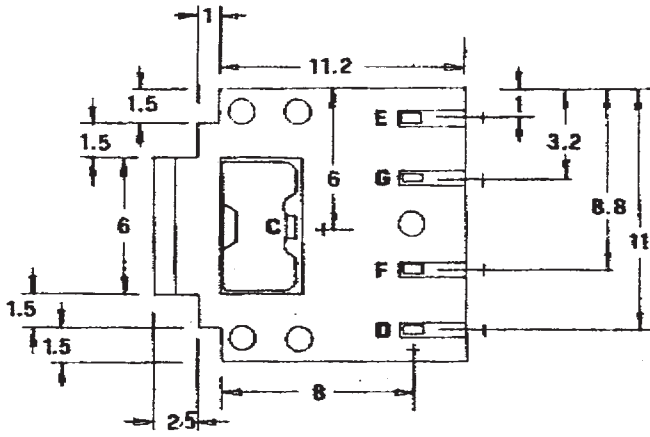
## IV LIFE TEST

The life test shall consist of 5,000 cycles of insertion and extraction with mate plug or the gauge plug at a rate of 20 to 50 cycles per minute under no load.

## V SOLDERING HEAT

Temperature of molten solder : 230°C (+0, -10)

Dip time : 4 seconds (+1 -1)



**SPECIFICATION :-**

1. INSULATION RESISTANCE IS 100 M OHM AT 250 DCV.
2. CONTACT RESISTANCE < 50m ohm

**REMARK:-**

TOLERANCE OF DIMENSION  $\pm 0.5\%$ .

3:1

BRONZE	DRAWN BY: <i>[Signature]</i>	MODEL NO:	DESCRIPTION:
BRONZE		TC38-010	
CUT METAL	APPROVED BY:	DATE:	EARPHONE JACK
CUT METAL		22 <sup>nd</sup> June 1987	
BRONZE			
BRONZE BAR			
SS RESIN			
MATERIAL			