





**Ratings**

Voltage: 48 V  
Current: 0.5 A

**Operating Temperature Range**

-40 ~ 105 °C, relative humidity of 85% or less

**Materials**

- ① #1 contact: bronze, silver plating
- ② #2 contact: bronze, silver plating
- ③ #3 contact: brass, silver plating
- ④ #4 contact: bronze, silver plating
- ⑤ Housing: PA9T, black, UL 94 V-0
- ⑥ Tape: polyimide/silicone adhesive

**Electrical Requirements**

Dielectric strength: 1 min @ 500 Vac  
Insulation resistance: 100 MΩ @ 250 Vdc  
Contact resistance: 30 mΩ or less at 1 KHz

**Mechanical Requirements**

Insertion force: 0.3-2 kgf  
Withdrawal force: 0.3-2 kgf  
Life cycle: 5000 mating cycles while maintaining 0.3 kgf min.  
Insertion force, 0.2 kgf min. withdrawal force and less than 100 mΩ contact resistance  
Terminal strength: 500 gf applied in one direction to the tip of the terminal for 1 second without mechanical or electrical damage

**Soldering**

Solderability: 90% minimum coverage when terminals dipped 2mm in 260 ±5 °C solder bath for 3 ±0.5 seconds  
Solder bath durability: no deformation when immersed in 255 ±5 °C up to surface of the board 1.6 mm for 5 seconds or less  
Solder iron durability: no deformation when exposed to 350 ±10 °C for 5 seconds or less

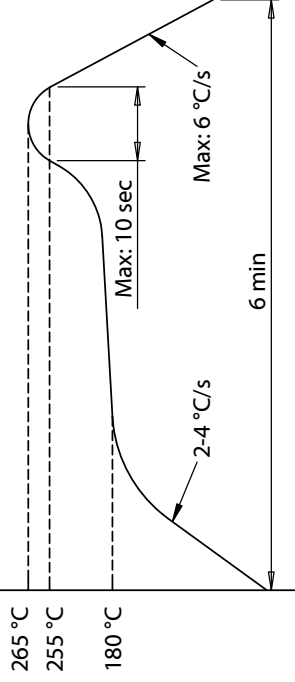
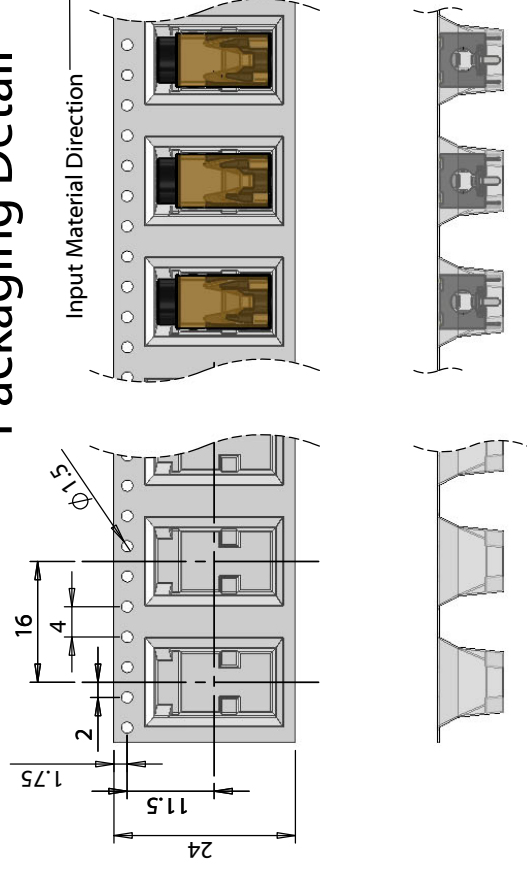
**Environmental Requirements**

Cold test: -25 ±3 °C for 48 hours without deformation  
Heat test: 70 °C, relative humidity 70-85% for 96 hours without deformation  
Humidity test: 40 °C, relative humidity 90-100% for 96 hours without deformation  
Salt spray test: 35 ±2 °C, 5% NaCl mist for 24 hrs. Wash parts after test. No remarkable corrosion shall be present

**Packaging**

500 pieces/ reel  
12 reels/ box

T (°C)

**Reflow soldering temperature profile****Packaging Detail**

Revision:

Date:

Description:

A

5/7/2020

Initial release

Prepared:

Notes:

Verified:

Dimensions are in millimeters.

Tolerances:

X: ± 0.5 mm

XX: ± 0.3 mm

XXX: ± 0.2 mm

RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:

Connector, 4C audio jack, 3.5xL14 mm, thru hole, silver plated

**TE**tel 1.5  
fax 1.5

Size: Part

A

Scale: 1:

54

5

↑


4

3

2

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View 54-00174 on WIN SOURCE](#)
-  [Tensility International Corp](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management