

3

X.X: ± 0.3 mm

X.XX: ± 0.05 mm

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

Scale: 5:1

2

(O)

Sheet 1 of 2

1

5

Materials

- 1. Shell, phosphor bronze, nickel plated
- 2. Pins, phosphor bronze, 5 µ" gold and tin plating
- 3. Insulator, Nylon 46, black

Electrical

Rated voltage: 30 Vdc Rated current: 2 A Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: 50 m Ω or less

Mechanical

Insertion force: 3.5 kgf maximum Withdrawal force: 0.7 kgf minimum Durability: 5000 cycle minimum life; less than 100 m Ω contact resistance, minimum 50 MΩ insulation resistance Terminal strength: 0.3 kgf in any direction for 15

seconds without damage or looseness

Soldering

Solderability: 75% minimum coverage when terminals dipped 2 mm in 255 ±5 °C solder bath for 3 ±0.5 seconds

Solder bath durability: no deformation when immersed in 260 ±5 °C up to surface of the board for 10

seconds

or less

Solder iron durability: no deformation when exposed to 350 ± 10 °C for 3 ± 0.5 seconds

Environmental

Cold test: -40 ±3 °C for 48 hours without deformation Heat test: 85 ± 2 °C for 48 hours without deformation Humidity test: 40 ±2 °C and humidity between 90 and 98 % for 48 hours without deformation

Description:

Operating range

Date:

09/28/2015

07/30/2018

-40 ~ 85 °C

Revision:

А

A1



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