USB mini B jack 180° PCB mount

Dimensions are in millimeters. Tolerances:
X: ± 0.5 mm
XX: ± 0.3 mm
XXX: ± 0.05 mm

Description:
Connector, USB mini B Jack, PCB mount, 180°, nickel shell, DIP, black insulator, tray

Notes:
RoHS and REACH compliant
Function test: no open, no short circuit, no intermittent

Revised:
1. A
2. A1

Prepared:
GL

Verified:
RS

Notes:
Corrected operating temp range

Part number:
A 54-00023

Size:
5:1

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

Mechanical
Insertion force: 3.5 kgf maximum
Withdrawal force: 0.7 kgf minimum
Durability: 5000 cycle minimum life; less than 100 mΩ 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

Operating range
-40 ~ 85 °C

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Revision: Date: Description:
A 09/28/2015 Initial release
A1 07/30/2018 Corrected operating temp range