

Materials

- 1. Shell, stainless steel, nickel plated
- 2. Pins, brass, 5 μ" gold and tin plating
- 3. Insulator, PBT, black

Electrical

Rated voltage: 30 Vdc
Rated current: 3 A
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 500 MΩ @ 500 Vdc
Contact resistance: 50 mΩ or less

Mechanical

Insertion force: 3.5 kgf maximum
Withdrawal force: 1.0 kgf minimum
Durability: 1500 cycle minimum life; less than 100 mΩ contact resistance, minimum 100 MΩ insulation resistance
Terminal strength: 0.3 kgf in any direction without damage or looseness

Soldering

Solderability: 75% minimum coverage when terminals dipped 2 mm in 245 ± 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 for 5 seconds or less
Solder iron durability: no deformation when exposed to 350 ± 10 °C for 3 ± 0.5 seconds

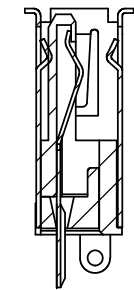
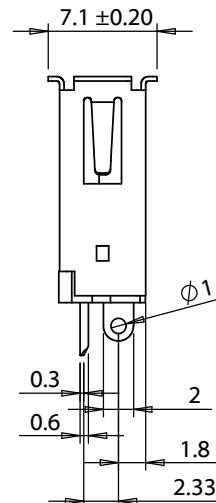
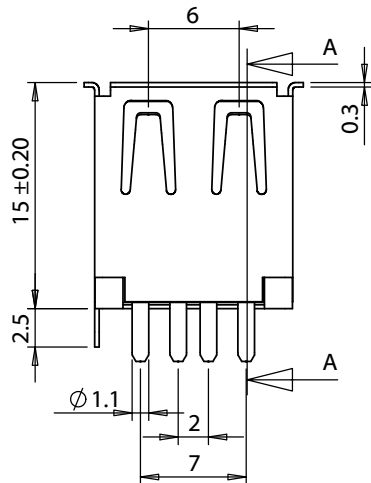
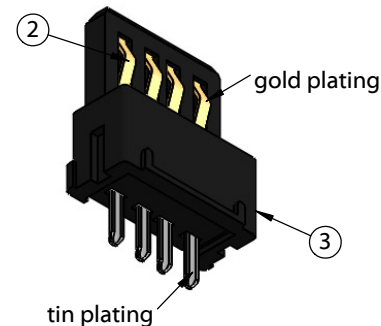
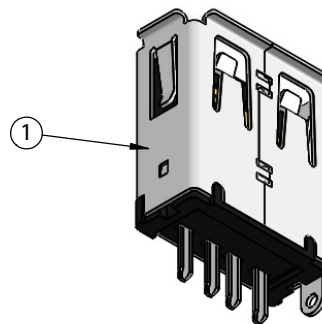
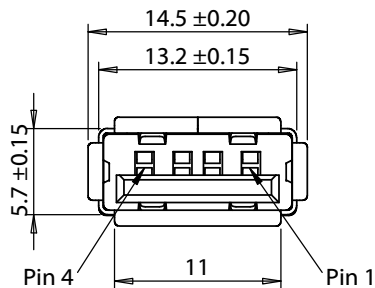
Environmental

Cold test: -25 ± 3 °C for 48 hours without deformation
Heat test: 70 ± 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

-10 ~ 60 °C

USB A jack molding style



SECTION A-A

REVISION	DATE	DESCRIPTION
A	12/16/2015	Initial release

PREPARED:	NOTES RoHS and REACH compliant
VERIFIED:	
DIMENSIONS ARE IN MILLIMETERS	DESCRIPTION: Connector, USB A Jack, molding style, 180°, nickel shell, ground, black insulator
TOLERANCES: Up to 1.0: ± 0.1 mm 1.0 to 10.0: ± 0.2 mm Over 10.0: ± 0.3 mm	

TENSILITY

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SIZE	PART NUMBER
A	50-00491
SCALE: 1:1	
SHEET 1 OF 1	