

USB 2.0 Type B

Single port and Right Angle



Introduction:

This connector is a complete line of shielded, hot pluggable, high speed I/O interface connector. Each is shielded for superior EMI/RFI protection and features spring contacts for exceptional connectivity properties. Specially designed shells with flares eliminate misconnection and kinked board locks add a strong, stable PCB attachment. An ideal solution for a low cost, high speed connection to peripheral devices.

Features:

- Industry Standard Compatible
- High Speed I/O applications
- Variety of Circuit sizes
- Variety of Body Styles
- Standard and Mini versions
- Shielded for EMI/RFI protection

Specifications:

Material:

Standard insulator	: PBT, Glass filled
Optional Hi-Temp insulator	: Nylon PA9T
Insulator Colour	: Black (White optional)
Contacts	: Phosphor Bronze or Brass
Shell	: Steel, nickel plated
Contact Plating	: Gold Flash over Nickel on mating area, Tin over Copper underplate on tails

Electrical:

Operating Voltage	: 30V AC
Current Rating	: 1 Amp max.
Contact Resistance	: 30mΩ max.
Insulation Resistance	: 1,000MΩ min.
Dielectric Withstanding Voltage	: 100V AC for 1 minute

Mechanical:

Insertion force	: 3 oz max.
Withdrawal force	: 0.5 oz min.

Temperature Ratings:

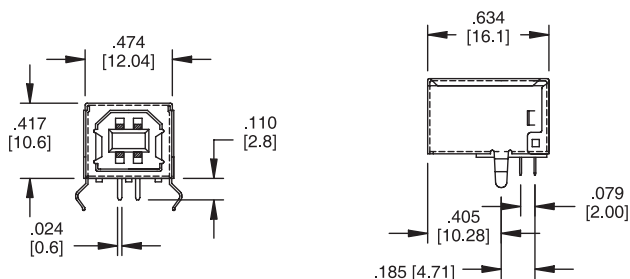
Operating Temperature	: PBT: -40°C to +85°C Nylon PA9T: -55°C to +105°C
Soldering process temperature	: Standard insulator: 235°C Hi-Temp insulator: 260°C

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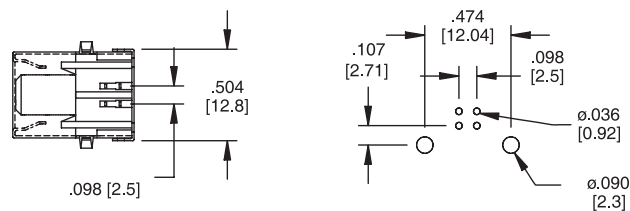
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USB-B-S-RA



Recommended PCB Layout



Dimensions : Inches (Millimeters)

Part Number Table

Description	Part Number
USB 2 Type B, Receptacle	USB-B-S-RA

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