

# USB 3.0 PLUGS & SOCKETS

## ELECTRICAL CHARACTERISTICS:

**Rated Voltage:** 30V (RMS)  
**Contact Current Rating:** 1 Amp DC max.  
**Contact Resistance:** 15 mΩ max.  
**Insulation Resistance:** 1000 MΩ min.  
**Dielectric Withstanding Voltage:** 750V AC for 1 minute

## MECHANICAL CHARACTERISTICS:

**Operating Temperature:** -13°F (-25°C) to 176°F(+80°C)  
**Durability:** 1500 Cycles min.

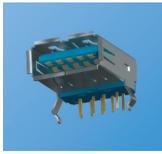
## USB 3.0 DESIGN ADVANTAGES:

**Port Expansion:** Alleviates restriction of limited COM Ports and available IRQ's  
**Compatibility:** Backward compatible with USB 2.0 devices  
**Fast Data Transfer:** Up to 480 Gbps; 10 times faster than USB 2.0 devices and 200 times faster than serial ports.

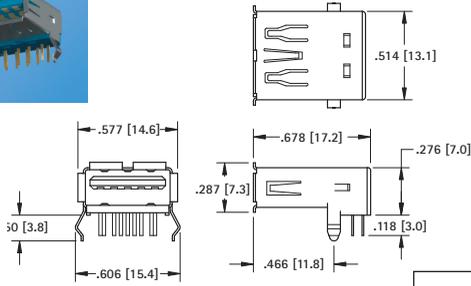
## USB 3.0 (SUPER SPEED) DEVICE APPLICATIONS:

- External hard drives
- High resolution web & video cameras
- Digital video cameras & still cameras
- Multi-channel audio interfaces
- External media such as Blu-Ray drives
- High-definition video content
- Multi-gigabyte mobile phones
- Portable media players

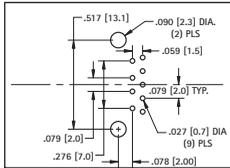
## USB TYPE A SOCKETS/PLUGS



**THRU-HOLE MOUNT SOCKET**



Mounting Detail



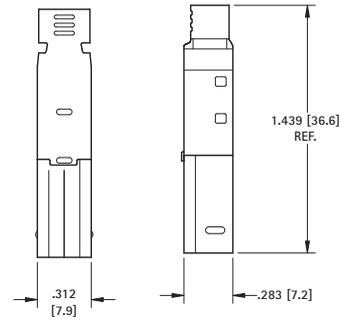
### SOCKET SPECIFICATIONS:

**Shell:** Steel, Nickel Plated  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Phosphor Bronze, Gold Flash over Nickel

**CAT. NO. 945**



**CABLE PLUG**



### PLUG SPECIFICATIONS:

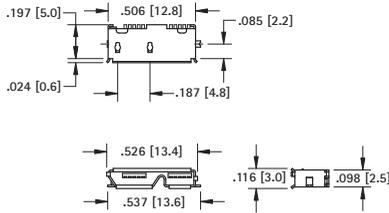
**Shell:** Steel, Nickel Plated  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Phosphor Bronze, Gold Flash over Nickel

**CAT. NO. 947**

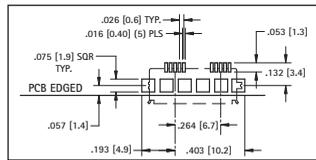
## MICRO-USB TYPE B SOCKETS/PLUGS



**SURFACE MOUNT SOCKET**



Mounting Detail



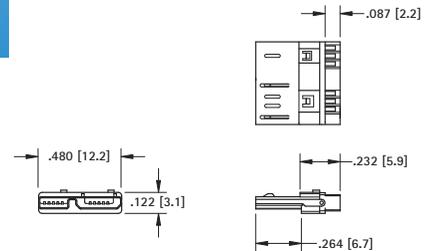
### SOCKET SPECIFICATIONS:

**Shell:** Steel, Nickel Plated  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Phosphor Bronze, Gold Flash over Nickel

**CAT. NO. 955**



**CABLE PLUG**



### PLUG SPECIFICATIONS:

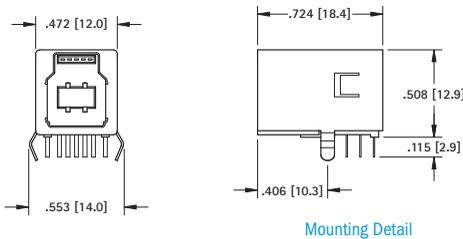
**Shell:** Steel, Nickel Plated  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Phosphor Bronze, Gold Flash over Nickel

**CAT. NO. 957**

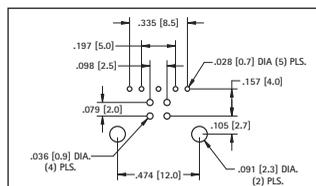
## USB TYPE B SOCKETS/PLUGS



**THRU-HOLE MOUNT SOCKET**



Mounting Detail



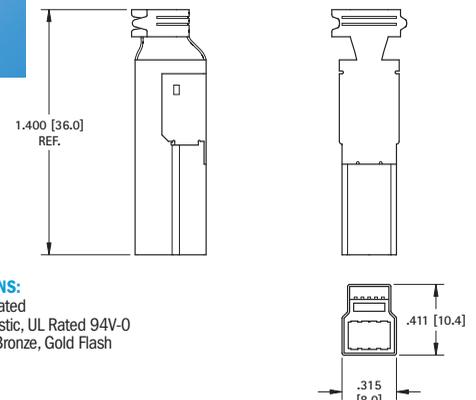
### SOCKET SPECIFICATIONS:

**Shell:** Phosphor Bronze, Nickel Plated  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Phosphor Bronze, Gold Flash over Nickel  
**Contact Area:** Gold Flash over Nickel  
**Solder Tails:** Tin over Nickel

**CAT. NO. 950**



**CABLE PLUG**



### PLUG SPECIFICATIONS:

**Shell:** Steel, Nickel Plated  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Phosphor Bronze, Gold Flash over Nickel

**CAT. NO. 952**

# USB 2.0 PLUGS & SOCKETS

## SOCKET SPECIFICATIONS:

**Shell:** Phosphor Bronze  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Phosphor Bronze  
**Contact Area:** Gold Flash over Nickel  
**Solder Trails:** Tin over Nickel

## PLUG SPECIFICATIONS:

**Shell:** Steel, Nickel Plate  
**Insulator:** Thermoplastic, Rated UL 94V-0  
**Contact:** Bronze, Gold Flash over Nickel

## ELECTRICAL CHARACTERISTICS

**Rated Voltage:** 30V (RMS)  
**Contact Current Rating:** 1 Amp DC max.  
**Contact Resistance:** 15 mΩ max.  
**Insulation Resistance:** 1000 MΩ min.  
**Dielectric Withstanding Voltage:** 750V AC for 1 minute

## MECHANICAL CHARACTERISTICS

**Operating Temperature:** -13°F (-25°C) to 176°F (+80°C)  
**Durability:** 1500 Cycles min.

## DEVICE APPLICATIONS

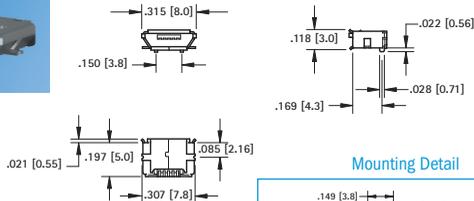
- Ability to daisy chain more than one input device
- Memory Sticks
  - Mouse/Keyboards
  - Printers/Scanners/Docking Stations
  - MP3/Audio Devices
  - Digital Video Cameras & Still Cameras
  - Portable Media Players
  - Gaming Headsets
  - Smart Phones/PDA's

## MICRO-USB TYPE B SOCKETS/PLUGS

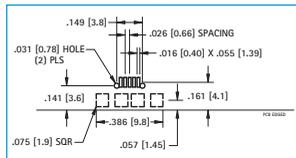
### SURFACE MOUNT SOCKET

• Ideal for Miniature applications

### CABLE PLUG

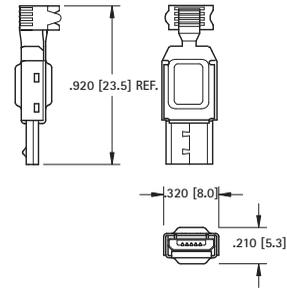


#### Mounting Detail



**CAT. NO. 940TR**

Tape & Reel Spec's: 24mm wide; 16mm pitch;  
 13 inch reel (800 pieces per reel)

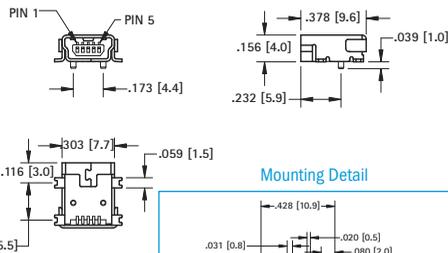


**CAT. NO. 941**

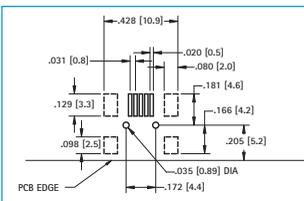
## MINI-USB TYPE B SOCKETS/PLUGS

### SURFACE MOUNT SOCKET

### CABLE PLUG

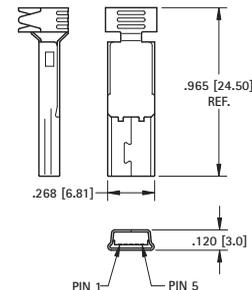


#### Mounting Detail

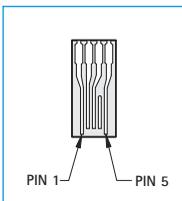


**CAT. NO. 934TR**

Tape & Reel Spec's: 24mm wide; 16mm pitch;  
 13 inch reel (800 pieces per reel)



#### Wiring Detail



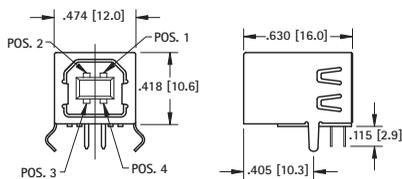
**CAT. NO. 935**

## USB TYPE B SOCKETS/PLUGS

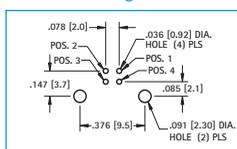
### THRU HOLE SOCKET

### SURFACE MOUNT SOCKET

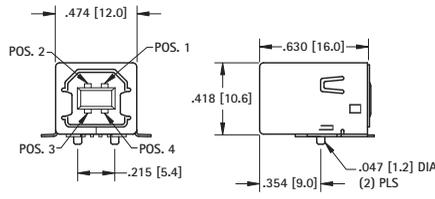
### CABLE PLUG



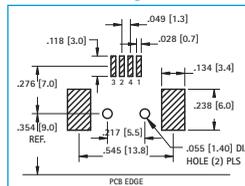
#### Mounting Detail



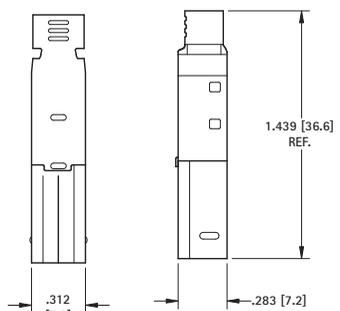
**CAT. NO. 924**



#### Mounting Detail



**CAT. NO. 933**



**CAT. NO. 926**