

# USB 3.0 & 3.1 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:

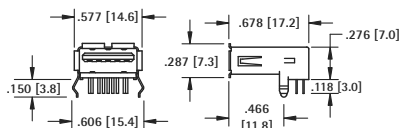
**Port Expansion:** Alleviates restriction of limited COM Ports and available IRQ's  
**Compatibility:** Backward compatible with USB 2.0 devices  
**Fast Data Transfer:** Up to 4.8 Gbps; 10 times faster than USB 2.0 devices and 200 times faster than serial ports.

## USB 3.1 DESIGN ADVANTAGES:

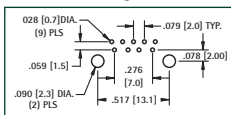
**Compatibility:** Backwards compatible with 2.0 & 3.0 (adaptor required)  
**Data Rates:** Up to 10 Gbps; twice as fast as 3.0. Same connector on both sides of cable. No A & B style.

## USB 3.0 TYPE A SOCKETS/PLUGS

### THRU-HOLE MOUNT SOCKET



Mounting Detail



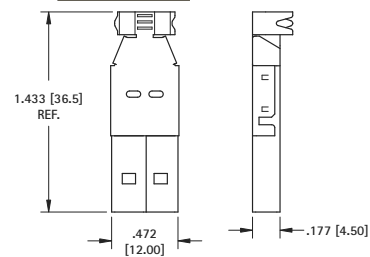
### SOCKET SPECIFICATIONS:

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

**CAT. NO. 945**



### CABLE PLUG



• Supplied unassembled

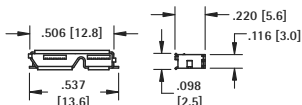
### PLUG SPECIFICATIONS:

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

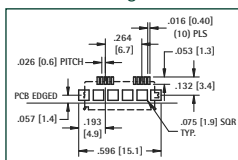
**CAT. NO. 947**

## MICRO-USB 3.0 TYPE B SOCKETS/PLUGS

### SURFACE MOUNT SOCKET



Mounting Detail



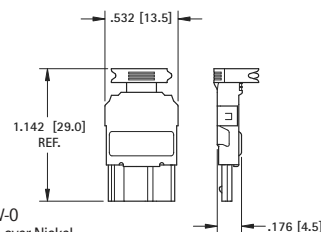
### SOCKET SPECIFICATIONS:

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

**CAT. NO. 955**



### CABLE PLUG



• Supplied unassembled

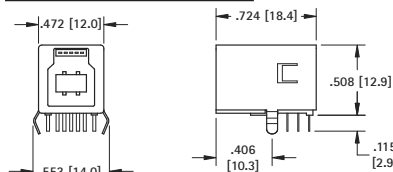
### PLUG SPECIFICATIONS:

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

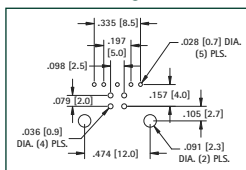
**CAT. NO. 957**

## USB 3.0 TYPE B SOCKETS/PLUGS

### THRU-HOLE MOUNT SOCKET



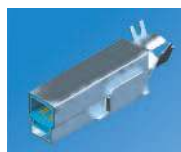
Mounting Detail



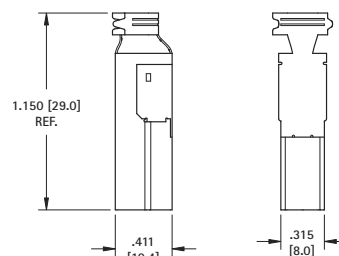
### SOCKET SPECIFICATIONS:

**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



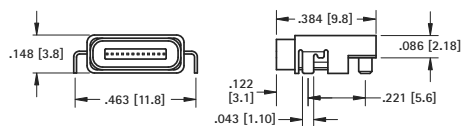
• Supplied unassembled

### PLUG SPECIFICATIONS:

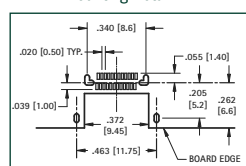
**Shell:** Steel, Nickel Plated  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Phosphor Bronze, Gold Flash over Nickel

**CAT. NO. 952**

## USB 3.1 TYPE C SOCKET/PLUG



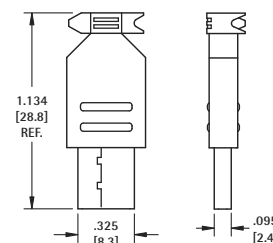
Mounting Detail



### SOCKET SPECIFICATIONS:

**Shell:** Steel, Nickel Plated  
**Insulator:** Thermoplastic, UL Rated 94V-0  
**Contacts:** Copper, Gold Plate (Flash)  
**Solder Tails:** Copper Alloy, Tin Plate

**CAT. NO. 953**



### PLUG SPECIFICATIONS:

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

**CAT. NO. 954**

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