

# USB, MINI USB, MICRO USB FIREWIRE & MINI FIREWIRE

#### INTRODUCTION:

Adam Tech USB, Mini USB & Micro USB (Universal Serial Bus) and IEEE 1394 (Firewire) Series connectors are a complete line of shielded, hot pluggable, high speed I/O interface connectors available in a variety of body styles, sizes, positions and mounting orientations. 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 boardlocks add a strong, stable PCB attachment. An ideal solution for a low cost, high speed connection to peripheral devices.

#### FEATURES:

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

#### MATING CONNECTORS:

Adam Tech USB, Mini USB & Micro USB and IEEE 1394 series connectors and all industry standard USB and IEEE 1394 connectors.

#### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, Glass filled, rated UL94V-0 Optional Hi-Temp insulator: Nylon PA9T, rated UL94V-0 Insulator Color: Black (White optional) Contacts: Phosphor Bronze or Brass Shell: Steel, nickel plated

#### **Contact Plating:**

Gold over Nickel on mating area, Tin over Copper underplate on tails

#### **Electrical:**

Operating Voltage: 30V AC Current Rating: 1 Amp max. Contact Resistance: 30 m $\Omega$  max. Insulation Resistance: 1000 M $\Omega$  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: -55°C to +85°C Soldering process temperature: Standard insulator: 235°C Hi-Temp insulator: 260°C

PACKAGING: Anti-ESD plastic trays or tubes

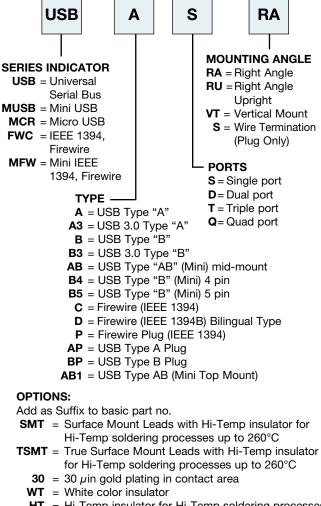
#### **APPROVALS AND CERTIFICATIONS:**

UL Recognized & CSA Certified, File no. E224053



UNIVERSAL SERIAL BUS & IEEE 1394 FIREWIRE USB & FWC SERIES





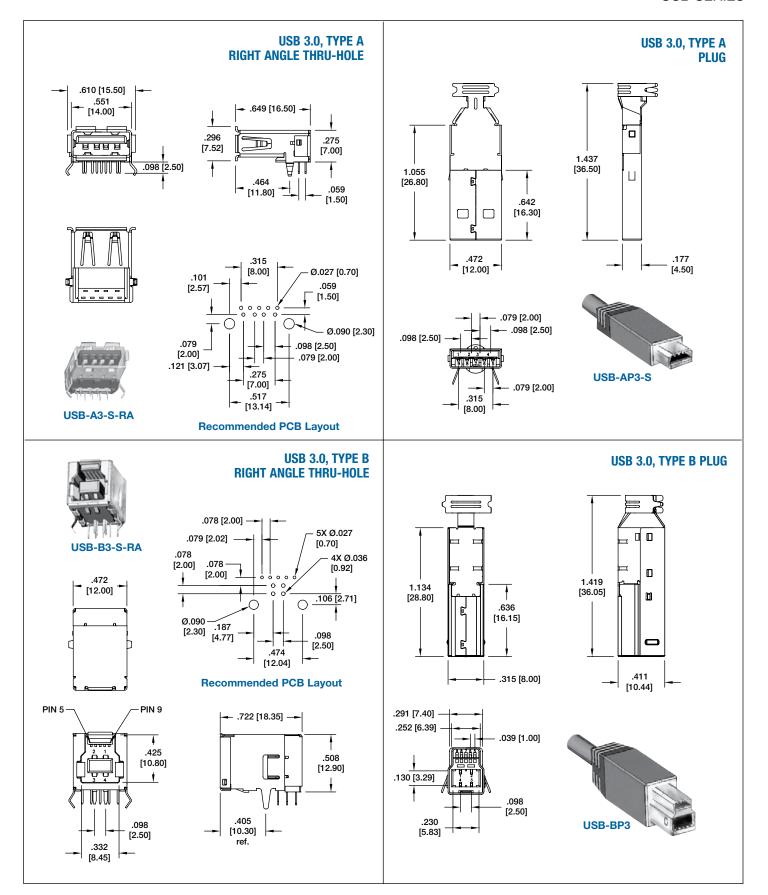
- HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)
- **T/R** = Tape & Reel packaging

# **USB 3.0 CONNECTOR**





ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS

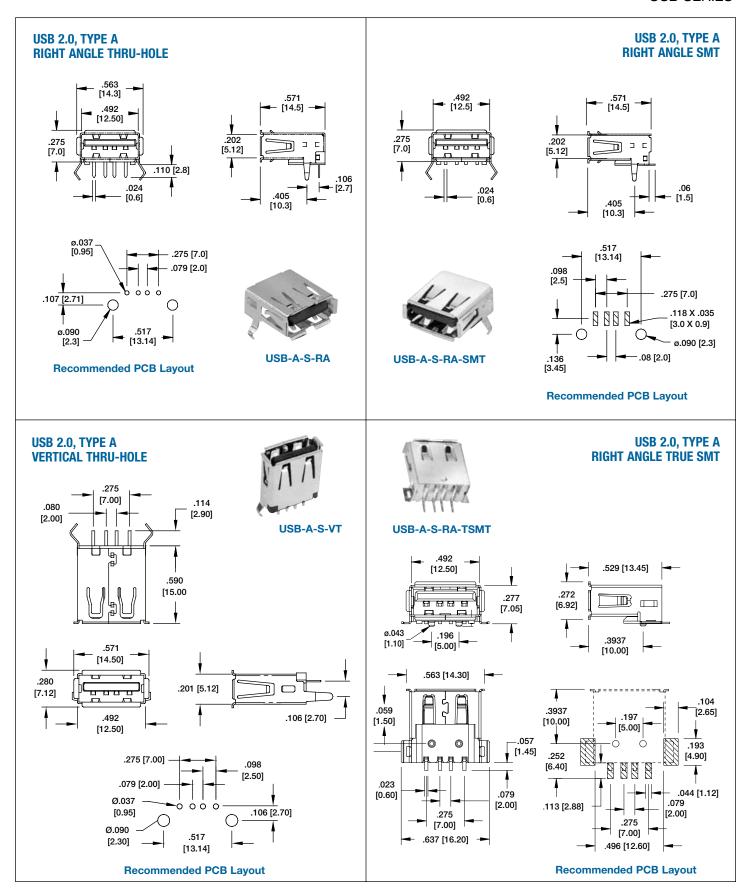


ADAM TECH

ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS

USB 2.0 CONNECTOR TYPE A SINGLE PORT

USB SERIES



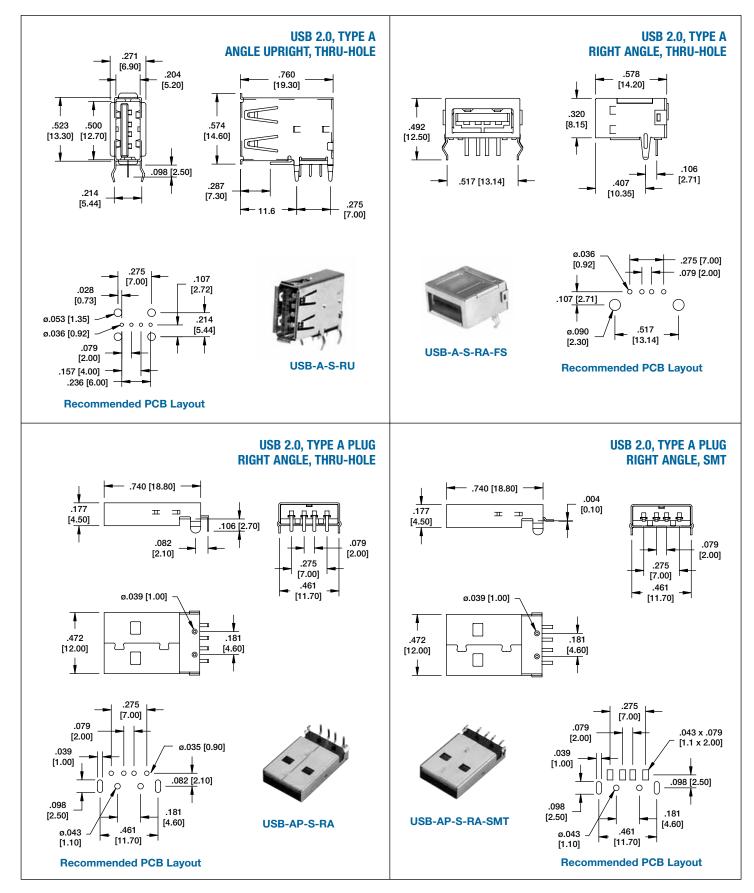
**USB 2.0 CONNECTOR** 

**TYPE A SINGLE PORT** 

**USB SERIES** 



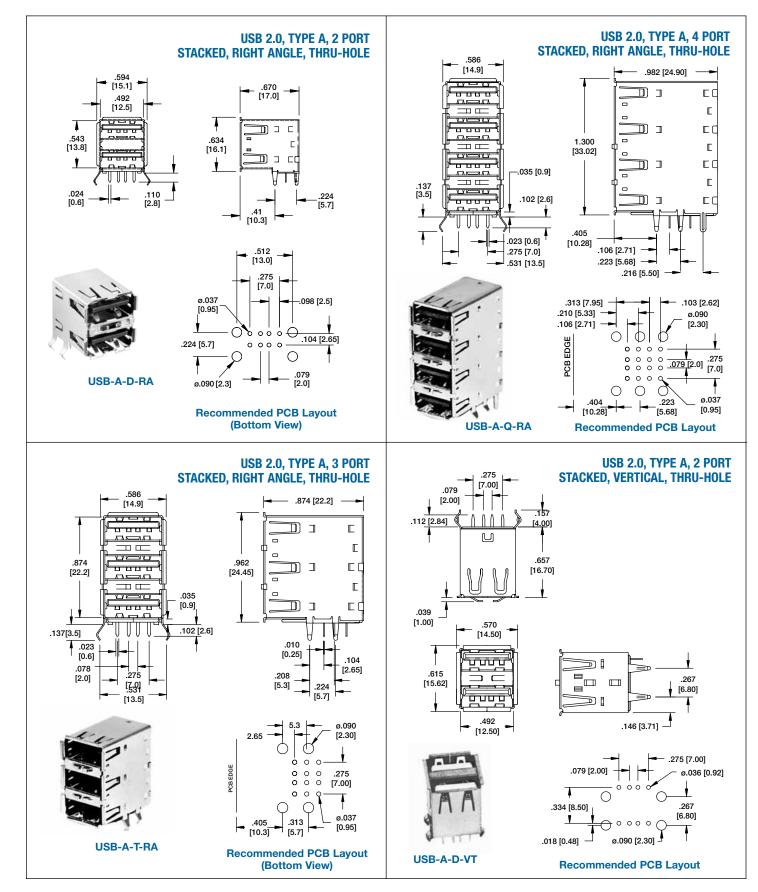
ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS



## USB 2.0 CONNECTOR TYPE A STACKED PORTS USB SERIES



ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS

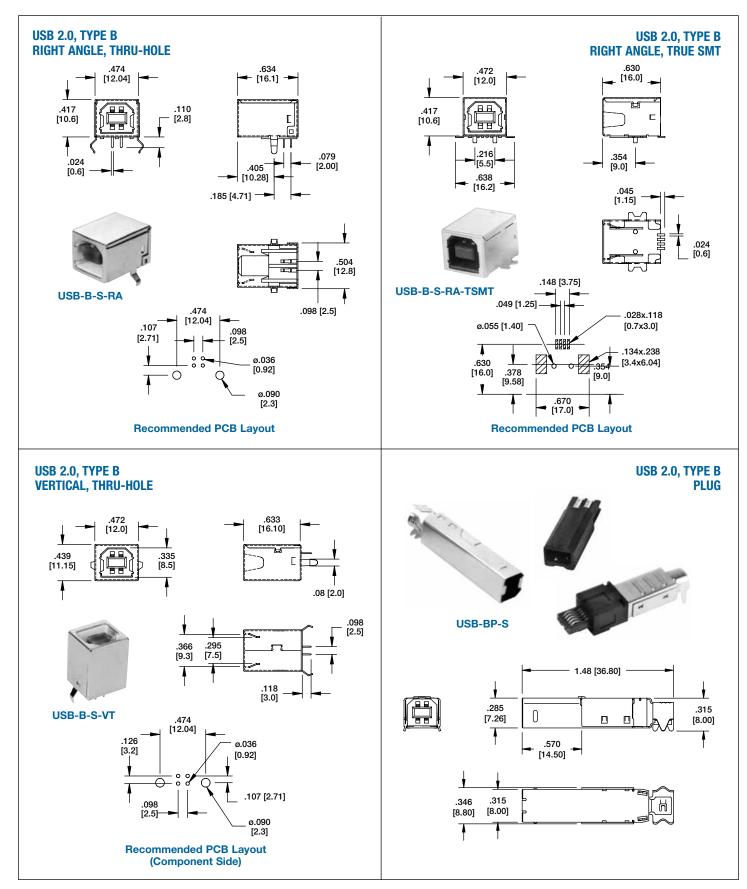




# **USB 2.0 CONNECTOR**

TYPE B CONNECTOR & PLUG

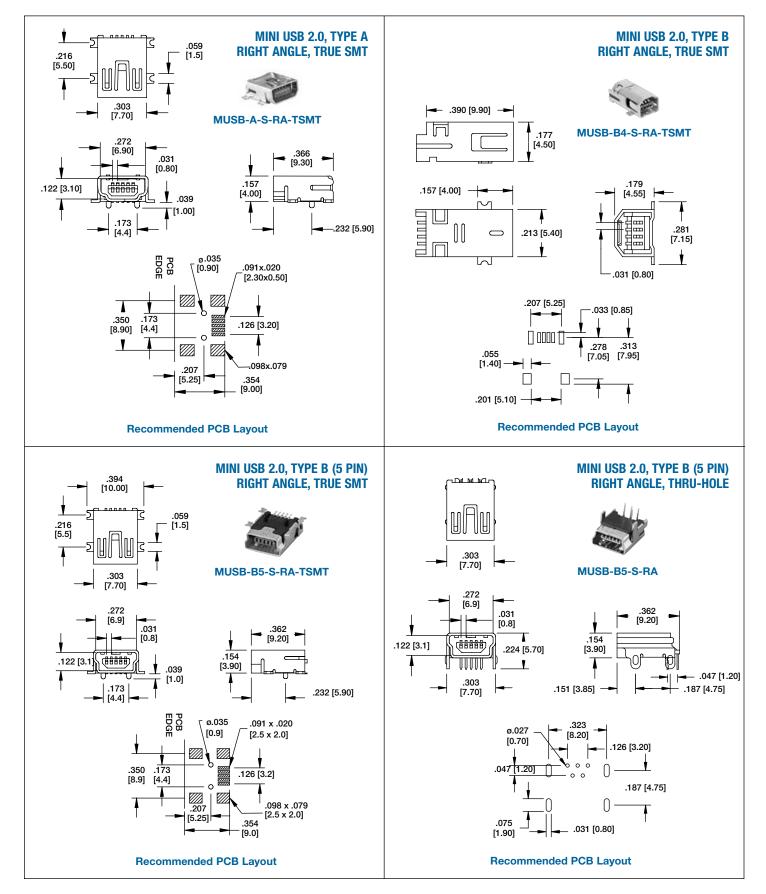
**USB SERIES** 





**MINI USB 2.0 CONNECTOR** 

TYPE A, B4 & B5 MUSB SERIES



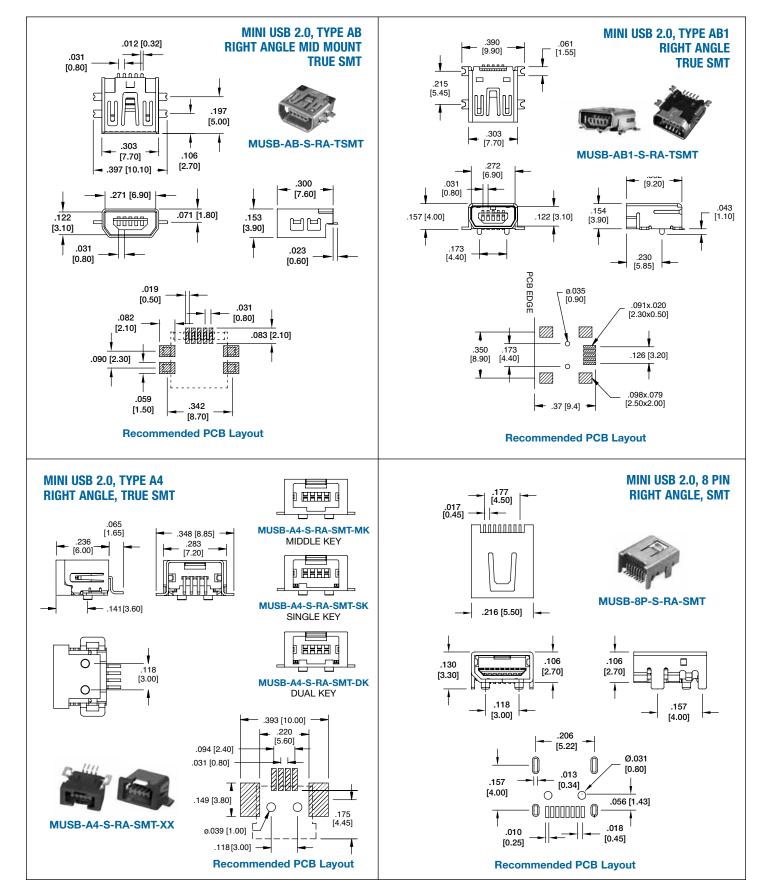
## **MINI USB 2.0 CONNECTOR**

TYPE AB, AB1, A4 & 8P

MUSB SERIES



ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS





**MINI USB 2.0 CONNECTOR** 

TYPE 10P, 12P & 14P

MUSB SERIES

