# ADAM TECH

### Adam Technologies, Inc.

## **USB, MINI USB, FIREWIRE & MINI FIREWIRE**

#### **INTRODUCTION:**

Adam Tech 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:**

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

#### **MATING CONNECTORS:**

Adam Tech 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 Flash over Nickel on mating area, Tin over Copper underplate on tails

#### **Electrical:**

Operating Voltage: 30V AC Current Rating: 1 Amp max. Contact Resistance: 30 mΩ 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: 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

**PACKAGING:** Anti-ESD plastic trays or tubes

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

UL Recognized File No. E224053 CSA Certified File No. LR1578596





**USB & FWC SERIES** 



#### ORDERING INFORMATION

USB	Α	S	5		RA	
SERIES INDICATOR USB = Universal Serial Bus MUSB = Mini USB FWC = IEEE 1394, Firewire MFW = Mini IEEE 1394, Firewir MCR = Micro USB	e			<b>A</b> = Rig <b>U</b> = Rig Up <b>T</b> = Ve <b>S</b> = Wi		e e ount nation
T = Triple port $Q = Quad port$ $A = USB Type "A"$ $B = USB Type "B"$ $AB = USB Type "AB" (Mini) mid-mount$ $B4 = USB Type "B" (Mini) 4 pin$ $B5 = USB Type "B" (Mini) 5 pin$ $C = Firewire (IEEE 1394)$ $D = Firewire (IEEE 1394B) Bilingual Type$ $P = Firewire Plug (IEEE 1394)$ $AP = USB Type A Plug$ $BP = USB Type AB (Mini Top Mount)$						
OPTIONS: Add as Suffix to bas SMT = Surface Mou Hi-Temp sol 30 = 30 μin gold p WT = White color i HT = Hi-Temp ins to 260°C (Ac products are m	Int Lead dering p plating i nsulato ulator fo <i>Id this op</i>	ls with H processe n contac r pr Hi-Ter ption for th	es up ct are mp s <i>hru-h</i>	o to 260 ea solderin <i>ole prod</i>	D°C	sses up

T/R = Tape & Reel packaging