ADAM TECH
Adam Technologies, Inc.

USB, MINI USB, FIREWIRE & MINI FIREWIRE
UNIVERSAL SERIAL BUS & IEEE 1394 FIREWIRE
USB & FWC SERIES

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 MΩ 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:
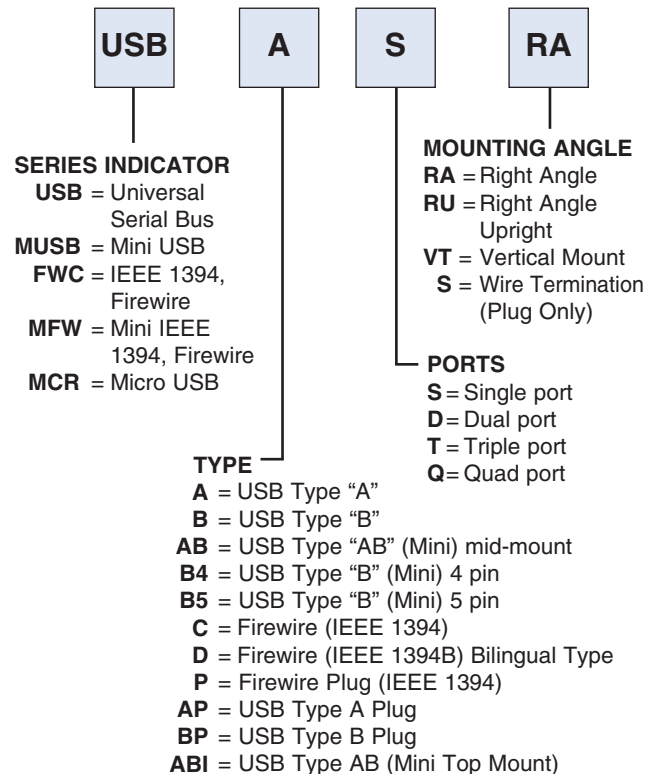Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

ORDERING INFORMATION

USB	A	S	RA

SERIES INDICATOR
USB = Universal Serial Bus
MUSB = Mini USB
FWC = IEEE 1394, Firewire
MFW = Mini IEEE 1394, Firewire
MCR = Micro USB

TYPE
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 B Plug
ABI = USB Type AB (Mini Top Mount)

PORTS
S = Single port
D = Dual port
T = Triple port
Q = Quad port

MOUNTING ANGLE
RA = Right Angle
RU = Right Angle Upright
VT = Vertical Mount
S = Wire Termination (Plug Only)

OPTIONS:
Add as Suffix to basic part no.
SMT = Surface Mount Leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
30 = 30 μin gold plating in contact area
WT = White color insulator
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