

INTRODUCTION:

Adam Tech USB Series Universal Serial Bus Connectors and FWC IEEE 1394 Firewire Connectors were developed for new PC Bus structures which allow multiple connections from a single PC port. Their use allows a single low cost industry standard connection for all peripheral devices such as serial, parallel, keyboard, mouse and game ports. Design features include integral "Hot Pluggable" contacts, positive plug to socket locking with full shielding and 1500 mating cycle durability. FWC Series IEEE 1394 connector performs isochronous data transfer at rates up to 400 Mb/ps.

FEATURES:

- Compatible with all mating connectors using USB standards
- Low cost, high reliability
- Fully shielded
- Positive locking of USB Plug to socket

SPECIFICATIONS:

Material:

Shell: Phosphor Bronze, tin-plated
 Insulator: Polybutylene Terephthalate (PBT), glass reinforced thermoplastic, rated UL 94V-0
 Insulator color: Black
 Contacts: Phosphor Bronze

Plating:

5 µin gold nom. (optional 30 µin) to MIL-G-45204, Type II, Grade C on contact area over 50 µin nickel underplate to QQ-N-290, Class 2, Grade C, 100 µin tin-lead to MIL-P-81738 on solder tails

Electrical:

Operation voltage: 500 V DC
 Current rating: 1 Amp
 Contact resistance: 15 mΩ
 Insulation resistance: 5000 MΩ
 Dielectric withstanding voltage: 1000V

Environmental:

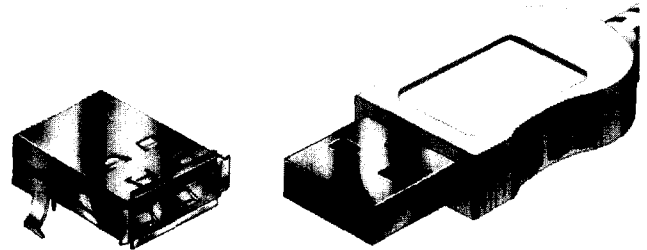
Operating temperature: -65° to +125°C

PACKAGING:

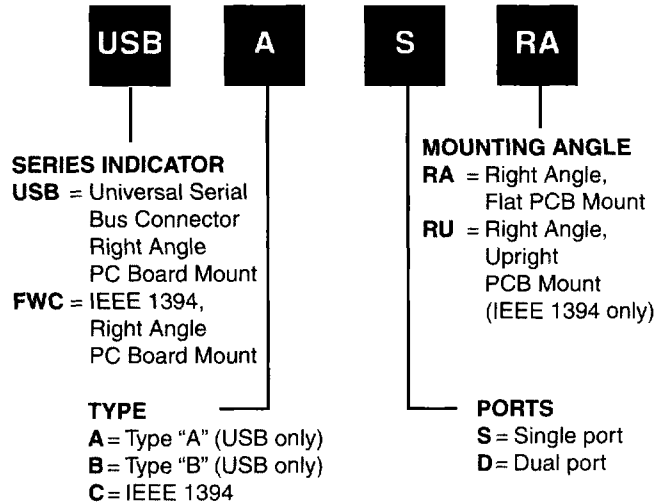
Anti-static plastic trays or tubes

APPROVALS AND CERTIFICATIONS:

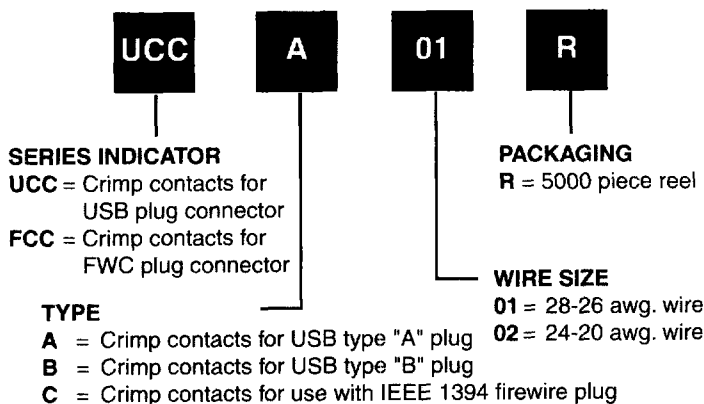
Recognized under the component program of Underwriters Laboratories, Inc. No. E167232
 Certified by Canadian Standards Association No. LR75112
 Verband Deutscher Elektrotechniker (VDE) APL42393



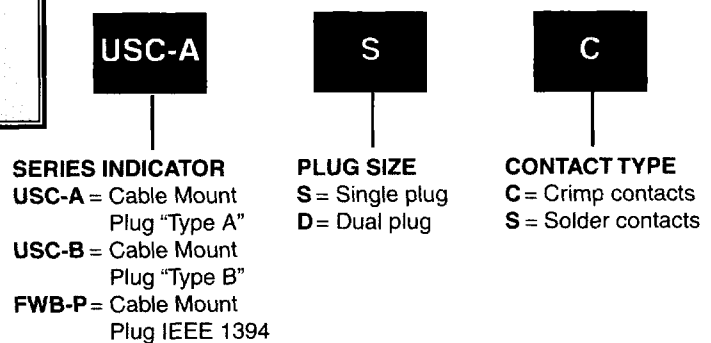
ORDERING INFORMATION



PLUG, CRIMP CONTACTS



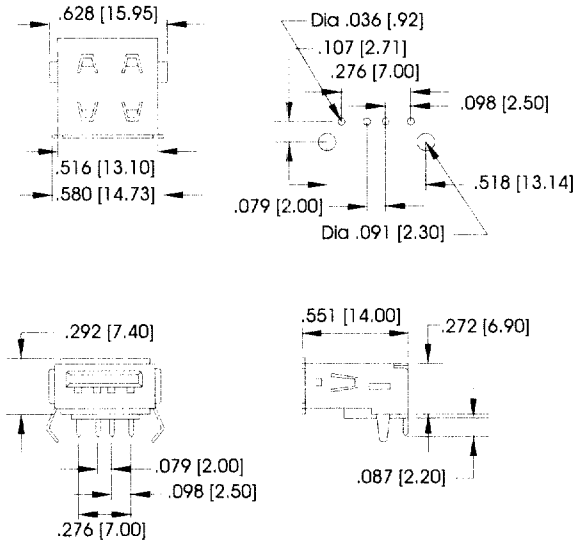
PLUG ASSEMBLY



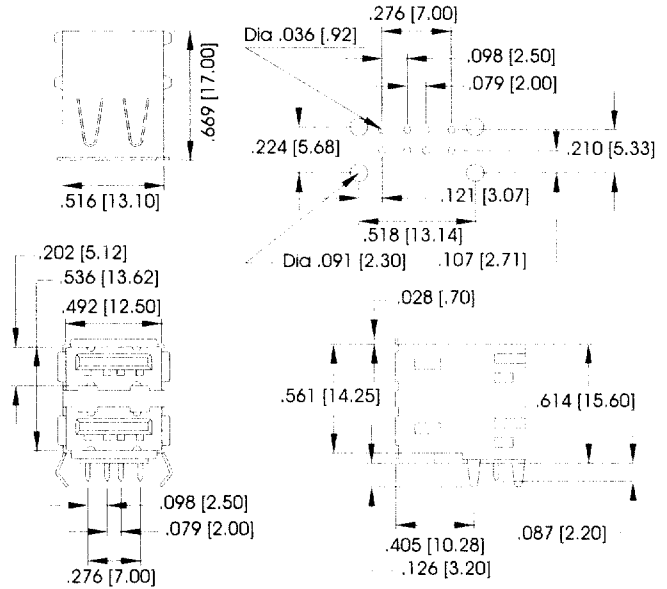
OPTIONS:

Add as Suffix to basic part no.
SMT = Surface Mount Leads
30 = 30 µin gold plating in contact area
WT = White color insulator

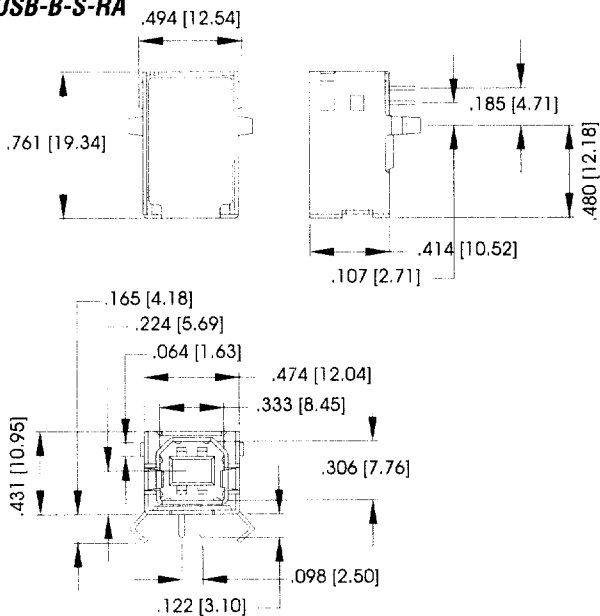
USB-A-S-RA



USB-A-D-RA



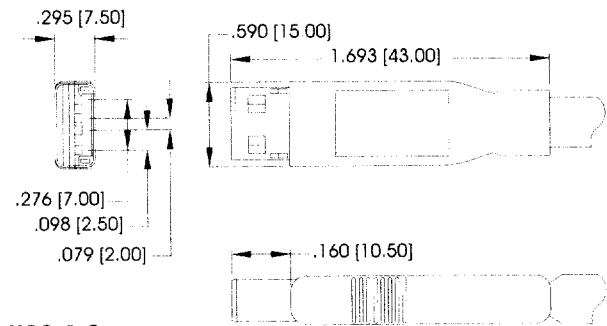
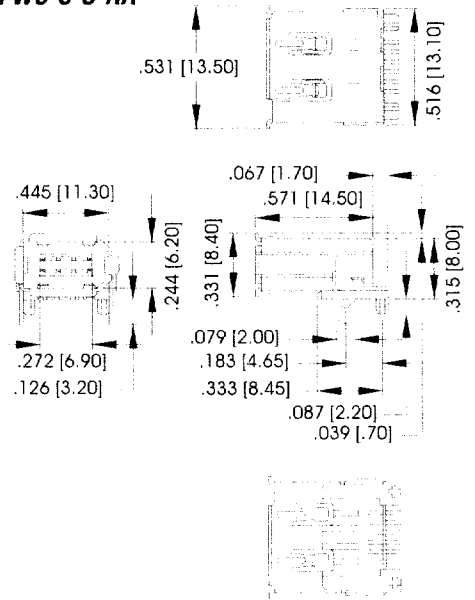
USB-B-S-RA



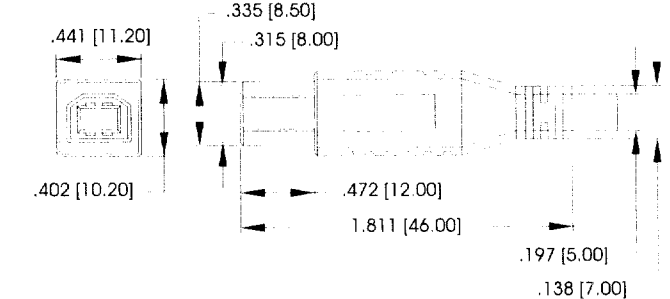
FWC-C-S-RU



FWC-C-S-RA



USC-A-S



USC-B-S