

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

Electrical:

Operation voltage: 500 V DC

Current rating: 1 Amp

Contact resistance: 15 m Ω

Insulation resistance: 5000 M Ω

Dielectric withstanding voltage: 1000V

Environmental:

Operating temperature: -65° to +125°C

PACKAGING:

Anti-static plastic trays or tubes

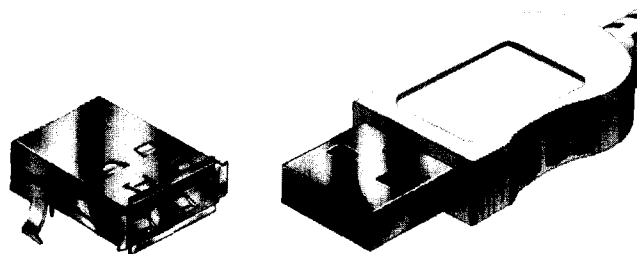
APPROVALS AND CERTIFICATIONS:

Recognized under the component program

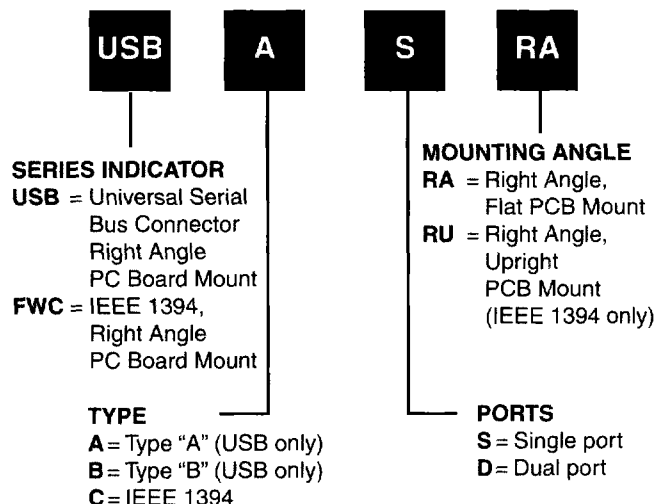
of Underwriters Laboratories, Inc. No. E167232

Certified by Canadian Standards Association No. LR75112

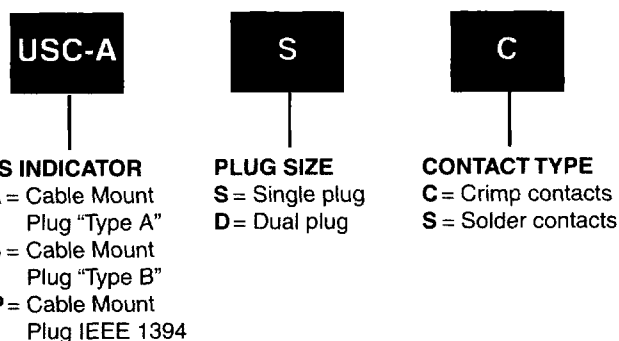
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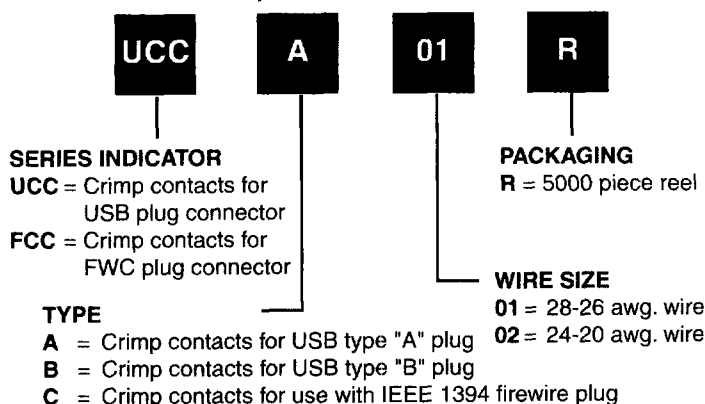
ORDERING INFORMATION



PLUG ASSEMBLY



PLUG, CRIMP CONTACTS



OPTIONS:

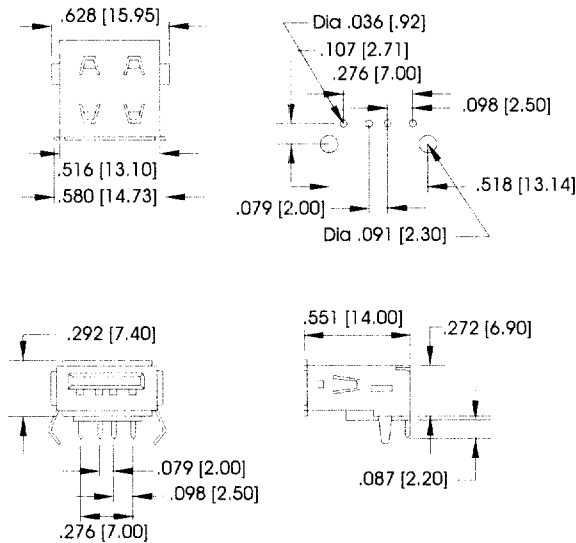
Add as Suffix to basic part no.

SMT = Surface Mount Leads

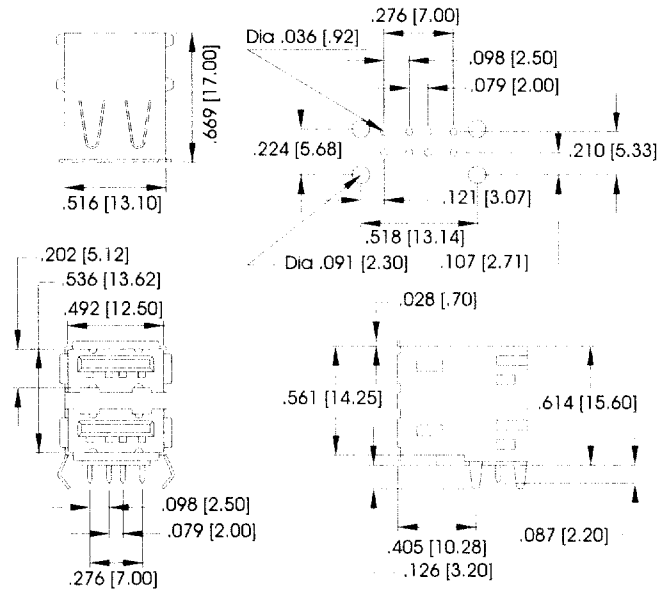
30 = 30 μ m gold plating in contact area

WT = White color insulator

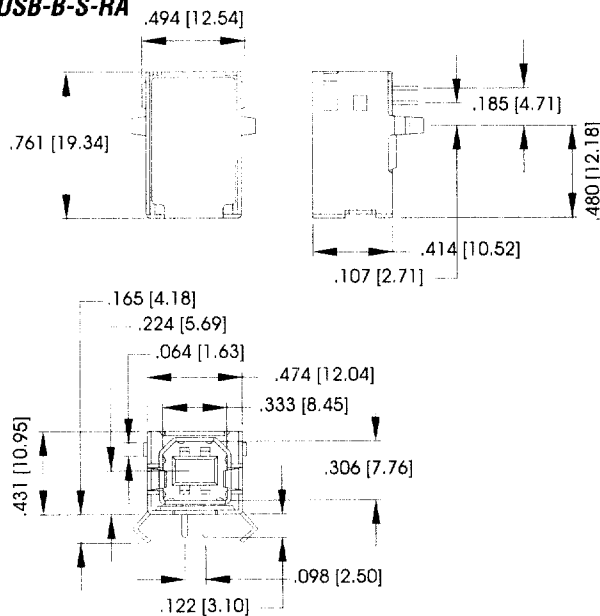
USB-A-S-RA



USB-A-D-RA



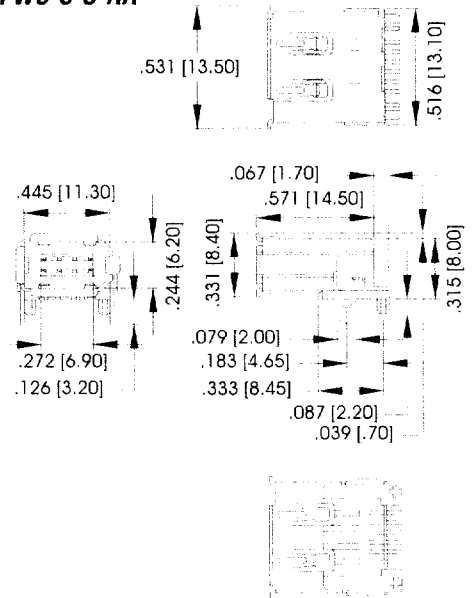
USB-B-S-RA



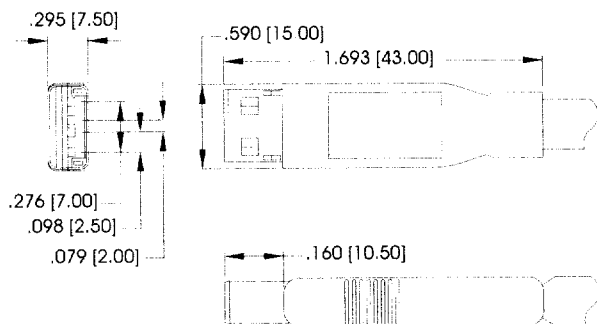
FWC-C-S-RU



FWC-C-S-RA



USC-A-S



USC-B-S

