

SUPER SPEED SERIAL BUS - FIREWIRE SOCKETS

FEATURES

- Snap-In PC tails hold connector in position for soldering
- Gold Plated contacts for low contact resistance and excellent reliability

IEEE 1394



SPECIFICATIONS

Shell: Phosphor Bronze
Insulator: Thermoplastic, Rated UL 94V-0
Contacts: Phosphor Bronze
Plating:
Contact Area: Gold Flash over Nickel
Solder Tails: Tin over Nickel Plate

DESIGN ADVANTAGES

Superfast Data Transfer:
 Current speeds of 100Mbps, 200Mbps and 400Mbps, and roadmapped to 1GB to 3.2 GBps per second

Daisy Chaining:
 Up to to 63 devices, each one acts as an active repeater on the bus, with a maximum of 16 repeats

Port Expansion:
 Alleviates restriction of limited COM Ports and available IRQ's

Wide Bandwidth:
 Operates in asynchronous or isochronous data streams. Digital interface designed for high speed applications for PC peripherals, consumer electronics and communications.

Simple Connections:
 True Plug and Play, no jumpers, DIP Switches or IRQ's to set

Hot Swapping:
 Allows peripherals to be connected or disconnected without turning off computer

Highly Versatile Bus:
 One bus can handle a variety of devices operating at different speed classes for true backwards compatibility

Standard Digital Interface:
 Allows consumer electronics and computer devices to communicate together on one interface

ELECTRICAL CHARACTERISTICS

Rated Voltage: 30VAC (RMS)
Contact Current Rating: 1 Amp DC max.
Contact Resistance: 15 mΩ
Insulation Resistance: 1000 mΩ min.
Dielectric Withstanding Voltage: 750V AC for 1 minute
Operating Temperature: 32°F (0°C) to +104°F (40°C)
Capacitance: 2pF max.

MECHANICAL CHARACTERISTICS

Durability: >1500 cycles
Mating Force: 35 Newtons min.
Withdrawal Force: 10 Newtons min.

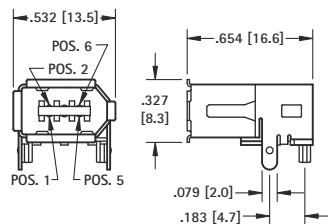
DEVICE APPLICATIONS

- Broadcast TV
- Cable TV
- Digital Camcorders
- Digital Cameras & VCRs
- Computers & Hard Disks
- DVD Players
- Printers & Monitors
- Stereos

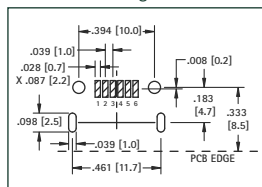
SURFACE MOUNT

HORIZONTAL

SUPPLIED ON TAPE AND REEL



Mounting Detail



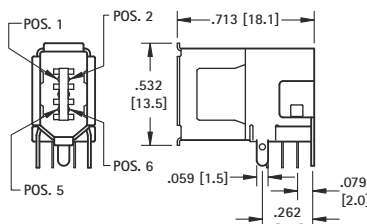
CAT. NO. 927 (Bulk)

CAT. NO. 927TR (Tape & Reel)

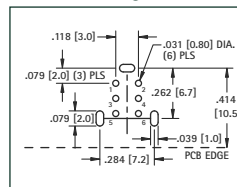
Tape & Reel Spec's: 32mm wide; 24mm pitch; 13 inch reel (200 pieces per reel)

THRU HOLE MOUNT

UP-RIGHT



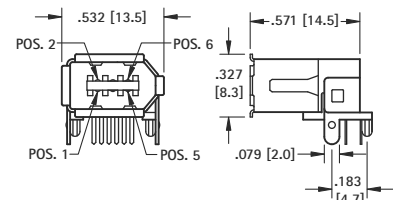
Mounting Detail



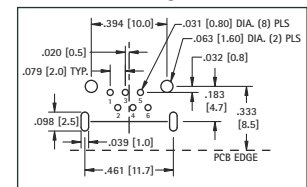
CAT. NO. 930

THRU HOLE MOUNT

HORIZONTAL



Mounting Detail



CAT. NO. 929

FIREWIRE PLUG

FEATURES

- Modular design allows easy and fast assembly of components
 - Integrated strain relief - crimps to wire insulation
- Gold Plated contacts for low contact resistance and excellent reliability

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CAT. NO. 928 (Supplied Unassembled)

SPECIFICATIONS

Shell: Phosphor Bronze
Insulator: Thermoplastic, Rated UL 94V-0
Contacts: Phosphor Bronze
Plating:
Contact Area: Gold Flash over Nickel
Solder Tails: Tin over Nickel Plate

ELECTRICAL CHARACTERISTICS

Contact Resistance: 30mΩ max.
Insulation Resistance: 1000 mΩ min.
Withstanding Voltage: 500V ± 50V DC
Operating Temperature: 32°F (0°C) to +104°F (40°C)

