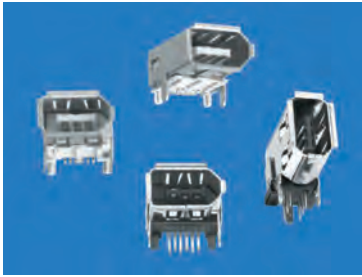# SUPER SPEED SERIAL BUS - FIREWIRE SOCKETS

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.
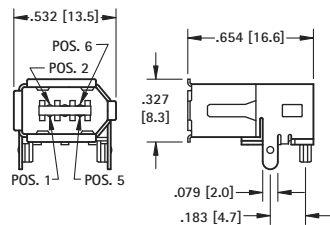**Withdrawal Force:** 10 Newtons min.

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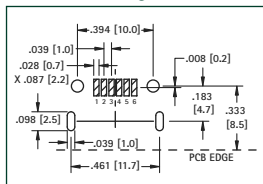■ Printers & Monitors
■ Stereos

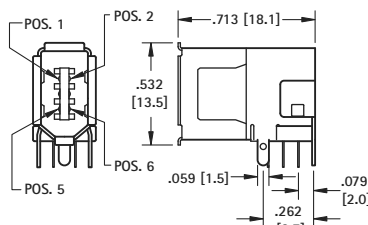| SURFACE MOUNT	THRU HOLE MOUNT	THRU HOLE MOUNT
HORIZONTAL	**UP-RIGHT**	**HORIZONTAL**

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)
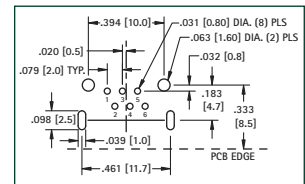
CAT. NO. 930

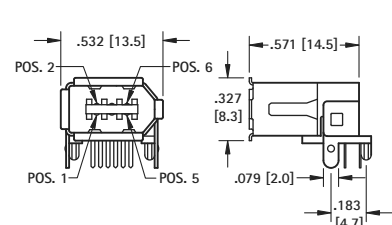**CAT. NO. 929**

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

IEEE 1394

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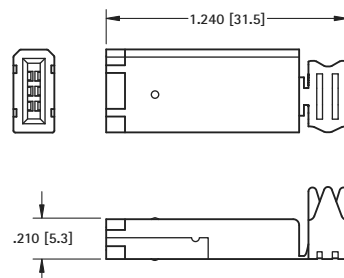 **Solder Tails:** Tin over Nickel Plate

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)

1.240 [31.5]

.210 [5.3]

CAT. NO. 928 (Supplied Unassembled)

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