

Hot Plug Contact Patented

Designed for Continuous Power Applications



*Live Plug Capability
to Over 50 Mating
Cycles*

*Hypertac® High
Performance
Contacts*

*Low Contact
Resistance*

Vibration Resistant

*Tested to UL1977
Safety Standard*

Live Plug Capability

Hypertronics' patented Hot Plug contact offers the high reliability performance properties of the Hypertac contact, while allowing for frequent engagement and disengagement of "live" electrical systems, without causing system failures or other costly downtimes.

The Hot Plug contact is designed to ensure signal integrity under the harsh electrical conditions present in such applications as power supplies, power generators, AC/DC converters, telecommunications systems and data communications systems.

The Hot Plug contact provides live plug capability to over 50 mating cycles. It is immune to the effects of shock and vibration, carries a low

contact resistance and has been tested to applicable sections of the UL1977 Safety Standard.

The contact is rated to 16 amps for hot plug applications and 28 amps for non-hot plug applications. The Hot Plug contact accepts a wire size of 13-14 AWG and is available in contact sizes 2.0mm and larger. Crimp, solder cup, or straight dip terminations are available.

Configured for Use in Customizable Modular Connectors

The Hot Plug contact can be used alone or in combination with any signal, power and coax contacts. The contact is an enhancement to Hypertronics' L Series and N Series modular connectors. Custom connectors can also be designed to incorporate Hot Plug contacts.

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Features and Benefits

- Live plug capability to over 50 mating cycles
- Hypertac high reliability sockets
- Immune to Vibration
- Low contact resistance
- Silver plated pin and forward ring resists arc damage and reduces contact resistance



Technical Specifications

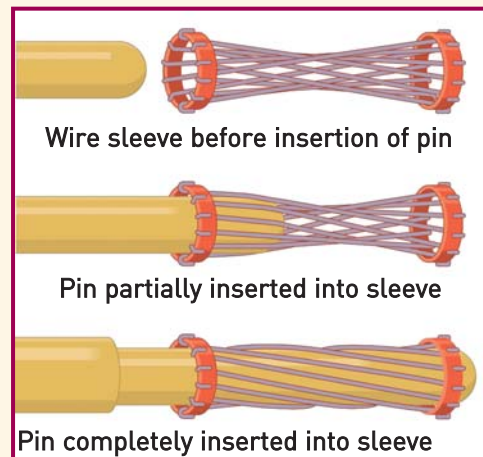
- Pin Diameter: 2.0mm and larger
- Available Terminations: crimp, solder cup, straight dip
- Wire Size: 13 - 14 AWG
- Sacrificial forward ring on receptacle
- Spring loaded tip on plug

Qualifications Testing

- UL1977, section 15: Tested to 50 cycles under load
- EIA 64, test procedure 70: Rated to 28 amps for non-hot plug applications
- UL1977, section 16 temperature rise: Rated to 16 amps 115V AC for hot plug applications (after 50 cycles)

Hypertac Contact Technology

Hypertronics connectors are built upon the legendary Hypertac contact technology. These contacts feature a hyperboloid-shaped basket of individual spring wires that provide up to 100,000 mating cycles, approximately half the resistance of conventional contact designs, immunity to shock and vibration, extremely low insertion/extraction forces, and 360-degree wiping action.



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