



## Hot Plug Contact Patented

### Designed for Continuous Power Applications

- Hot swappable capability to over 50 mating cycles
- Quick connect/disconnect
- Minimal arcing between mating contacts
- Vibration resistant
- Hypertac® high reliability socket
- Tested to applicable sections of UL1977
- Worry free contact mating sequence
- Low contact resistance
- Available in L and N series modular connectors

## TECHNICAL SPECIFICATIONS

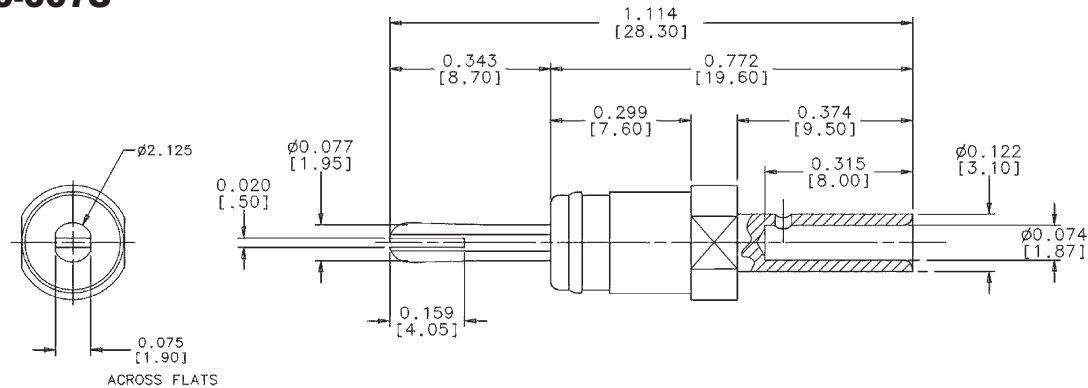
<b>Mechanical:</b>	
Contact Diameter:	2.0 mm
Temperature Rating:	-55° C to +125° C
Contact Life:	50 cycles under load
Terminations Available:	Crimp, solder cup, straight dip
Female Contact Style:	Sacrificial forward ring
Male Contact Style:	Spring loaded tip

<b>Electrical:</b>	
Current Ratings:	16 amps for hot plug applications
Contact Resistance:	< .8 milliohms
Wire Size:	13 - 14 AWG

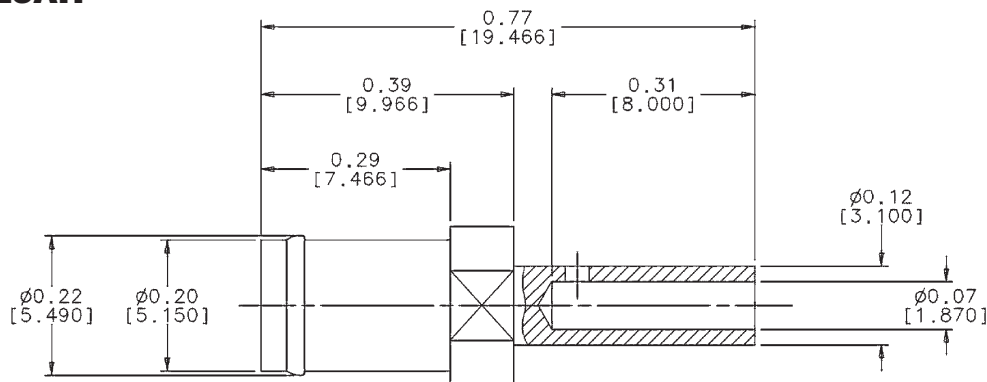
<b>Materials:</b>	
Pin & Ring Plating:	Beryllium copper pin and wire, brass body Silver, over nickel, over copper flash
Socket Plating:	Gold over nickel over copper flash

<b>Configured for Use in Customizable Modular Connectors</b> - can be combined with any signal, power and coax contacts in the following L series or N series modular rack and panel connectors.	
L Series:	S Module, U Module, V Module
N Series:	V Module

## Male Contact (Pin) YPN020-007S



## Female Contact (Sockets) YSK020-023AH



### Testing:

**UL1977, Section 15:** Tested to 50 cycles under load

**EIA 364, 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)

### Plating Reference:

#### Male Pins:

S = 8 - 13 microns of silver plating over 1.27 - 3.81 microns of Ni

#### Female Sockets:

S = 8 - 13 microns of silver plating over 1.27 - 3.81 microns of Ni on the forward ring

AH = 50  $\mu$ m (min) gold over Ni on mating surface, gold flash over Ni on termination

Notes

1) Dimensions in inches (mm)