

## Rack and Panel Connectors Side Mount


**G20P-A**

**G20S-A**

### APPLICATIONS

Broad - limited only by those applications requiring physical, electrical and/or materials specifications exceeding those indicated.

### ELECTRICAL SPECIFICATIONS

#### Breakdown Voltage (Contact to Contact):

At sea level: 5000 V<sub>RMS</sub>

At 70 000 feet [21 336 meters]: 650 V<sub>RMS</sub>

**Current Rating: 7.5 A**

### FEATURES

- Body components available with any desired pin and socket combination
- Contacts float in molding to aid in aligning and in withstanding vibration
- Polarization accomplished by reversed pin and socket combination
- Barriers for increased creepage distance
- Thru hold permits use of building block technique or flat mounting

### MATERIAL SPECIFICATIONS

**Standard Body:** Glass-filled diallyl phthalate per ASTM D 5948-96 green, flame retardant

**Pin Contacts:** Brass

**Socket Contacts:** Phosphor bronze

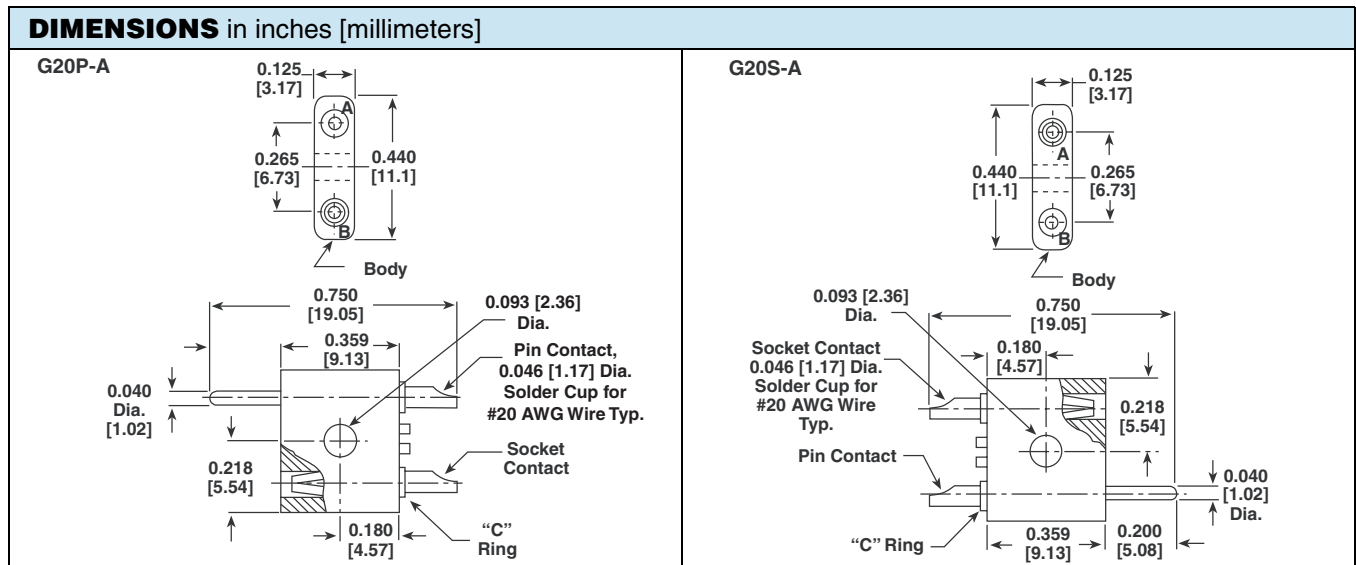
**Contact Plating:** Gold, 10 micro-inches

### PHYSICAL SPECIFICATIONS

**Minimum Creepage Path between Contacts:** 0.25" [6.35 mm]

**Minimum Air Space between Contacts:** 0.19" [4.76 mm]

**Maximum Wire Size:** #20 AWG



ORDERING INFORMATION		
<p><b>G20</b> MODEL</p> <p>G20 - Side Mount with 2 positions for #20 AWG contacts</p>	<p><b>S</b> <b>P</b> BODY STYLE</p> <p>P - Pin style body. S - Socket style body. These designators are used to identify mating connectors. If designator 3 is the same, a connector designated G20P will mate with a connector designated G20S</p>	<p><b>AB</b> <b>B</b> <b>A</b> CONTACT VARIATIONS</p> <p>Designates pin contact positions in a G20P connector or socket contact positions in a G20S connector</p>
<p><b>EXAMPLE 1:</b> <b>G20P-A</b> = Connector with pin contact in position "A" and socket contact in position "B"</p>	<p><b>EXAMPLE 2:</b> <b>G20S-A</b> = Connector with socket contact in position "A" and pin contact in position "B" (would mate with example 1 at left)</p>	<p><b>EXAMPLE 3:</b> <b>G20P-AB</b> = Connector with pin contacts in both positions (would mate with G20S-AB)</p>



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