

## Rack and Panel Connectors Side Mount



WA20



A20

### APPLICATIONS

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

### ELECTRICAL SPECIFICATIONS

**Current Rating:** 7.5 A

**Breakdown Voltage (Contact to Contact):**

At sea level: 2000 V<sub>RMS</sub>

At 70 000 feet [21 336 meters]: 500 V<sub>RMS</sub>

### FEATURES

- Body components available with any desired pin and socket combination
- Floating contacts
- Polarization accomplished by reversed pin and socket combination
- Model A20 has barriers for increased creepage distance
- Thru hole 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:**

A20 = 0.08" [2.03 mm]; WA20 = 0.05" [1.27 mm]

**Minimum Air Space between Contacts:**

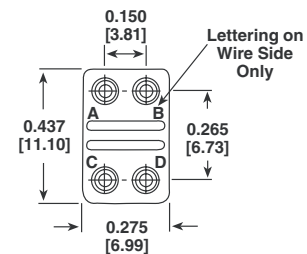
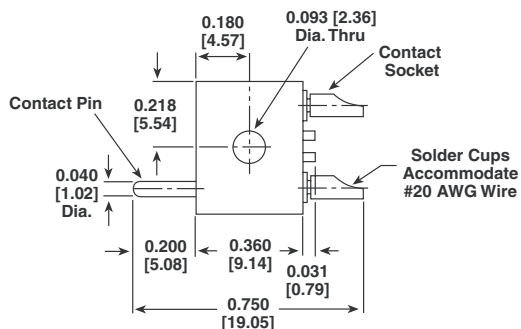
A20 = 0.08" [2.03 mm]; WA20 = 0.05" [1.27 mm]

**Contact, Center to Center:** A20 = 0.150" [3.81 mm];

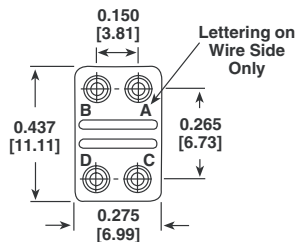
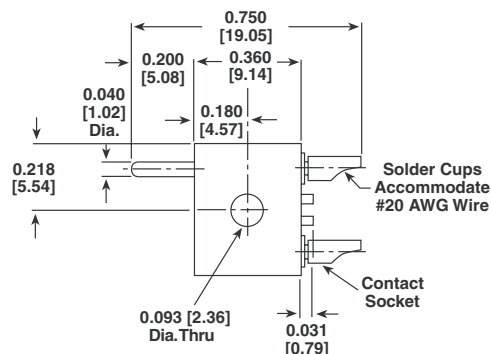
WA20 = 0.125" [3.17 mm]

### DIMENSIONS in inches [millimeters]

A20P-CD

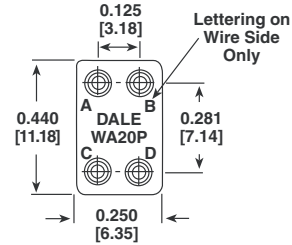
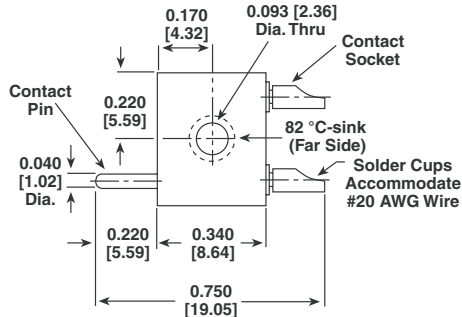


A20S-CD

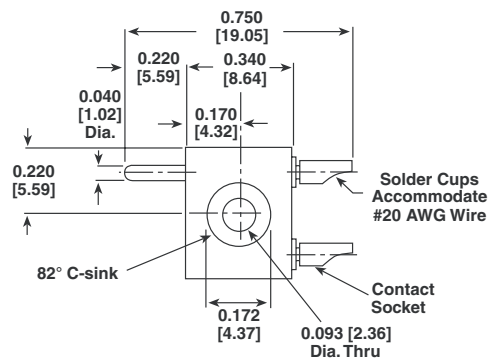


## DIMENSIONS in inches [millimeters]

WA20P-CD



WA20S-CD



## ORDERING INFORMATION

**A20**  
**WA20**  
MODEL

Side Mount with 4 positions for #20 AWG contacts

**P**  
BODY STYLE

P - Designates pin style body.  
S - Designates socket style body.  
These designations are used to identify mating connectors, however, any combination of pin and socket contacts may be ordered in either style body. Therefore, when designators 3 and 4 are the same, a connector designated A20P or WA20P will mate with a connector designated A20S or WA20S.  
Example:  
A20P-CD mates with A20S-CD  
A20S-AB mates with A20P-CD

**AB**  
CONTACT LOCATION

Designates pin contact positions in an A20P or WA20P connector or socket contact positions in an A20S or WA20S connector (specify "A", "B", "C", "D" or any combination of the four)

**A**  
EMPTY CONTACT POSITIONS

Specify by contact identification letter (A, B, etc.) any contact positions which are to be left empty (omit, if none required)

**EXAMPLE 1:**

**A20P-CD or WA20P-CD** = Connector with pin contacts in positions "C" and "D" and socket contacts in positions "A" and "B"

**EXAMPLE 2:**

**A20S-CD or WA20S-CD** = Connector with socket contacts in positions "C" and "D" and pin contacts in positions "A" and "B" (would mate with Example 1 at left)

**EXAMPLE 3:**

**A20P-BC or WA20P-BC-A** = Connector with pin contacts in positions "B" and "C", socket contact in position "D" and no contact in position "A" (would mate with A20S-BC or WA20S-BC-A)



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