

## Right-Angle Board Mount Connectors Front Metal Shell

### SPECIFICATIONS:

#### MATERIALS AND PLATINGS

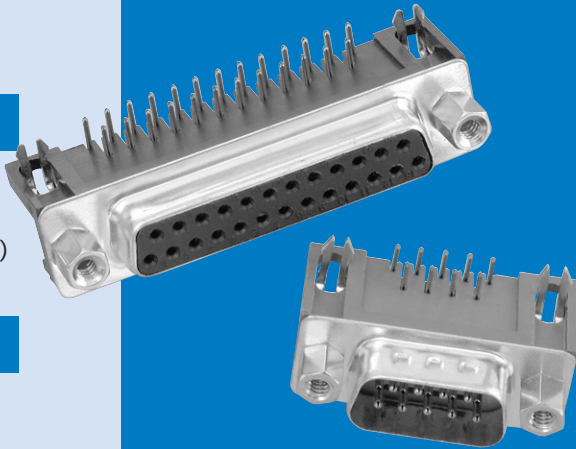
|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Shells          | Steel, tin plated                                                       |
| Contacts        | Precision formed copper alloy                                           |
| Contact Plating | Gold over nickel                                                        |
| Contact Forces  | Engagement: 12 oz. max. (340.2 g)<br>Separation: .75 oz. min. (21.26 g) |

#### ELECTRICAL DATA

|                                 |                                                |
|---------------------------------|------------------------------------------------|
| Current Rating                  | 5 amps                                         |
| Dielectric Withstanding Voltage | 1000 VAC/60 sec.                               |
| Dielectric                      | Glass filled thermoplastic,<br>black, UL 94 VO |
| Contact Resistance              | 15 milliohms max.                              |

#### CLIMATIC DATA

|                   |                                |
|-------------------|--------------------------------|
| Temperature Range | -67°F (-55°C) to 221°F (105°C) |
|-------------------|--------------------------------|

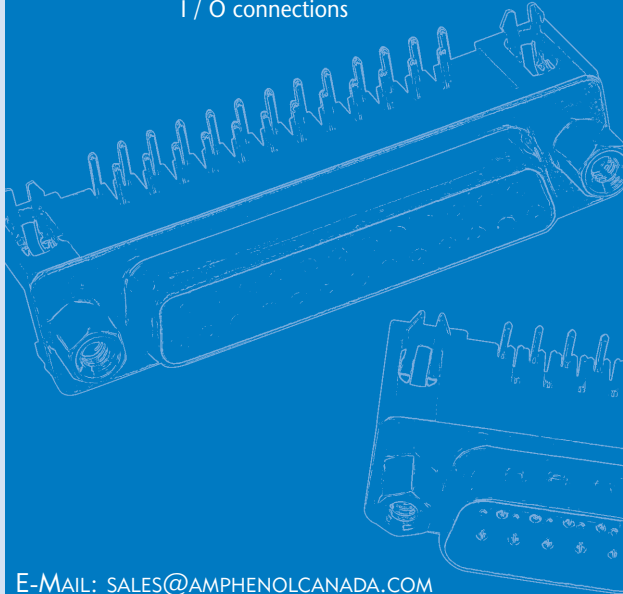


Amphenol's 617 series of right angle commercial connectors provide high performance at competitive prices.

The front metal shell helps to provide reduced EMI/ RFI emissions, and the contacts are selectively plated to provide additional high performance. The 617 series are available in a variety of board mounting and grounding options including arrowhead boardlocks and #4-40 threaded inserts.

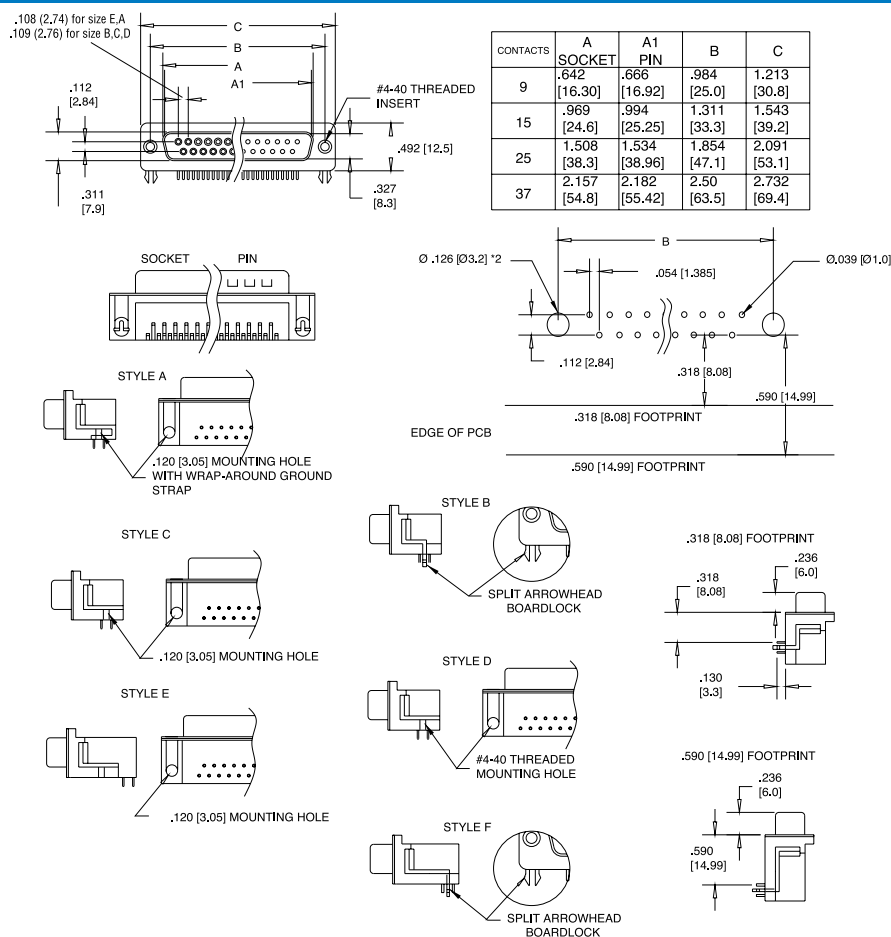
Front mounting holes are also available threaded, un-threaded and with installed female hex screwlocks.

- Industrial
- Telecom
- Any industry standard I / O connections



INCHES (MM)

## DIMENSIONS



## ORDERING INFORMATION

617 - X - 0XX - X - XX - X - XX - X

Series

Number of Contacts

09, 15, 25, 37

Variation Code

E for U &amp; Y Footprint

Contact

20

21

Housing Characteristics

Tin plated receptacle

Tin plated plug with grounding indents

Code

0

1

2

4

Panel Mounting Options

.120 (3.05) clear hole

#4-40 threaded hole

#4-40 threaded hole with female screwlock

Fixed female round screwlock

Code

BF

Contact Plating

Engagement area 3µ" (.076µm) gold flash, terminal end area 100µ"/200µ" (2.54µm/5.08µm) tin/lead underplate of 50µ" (1.27µm) nickel

CF

Engagement area 15µ" (.381µm) gold flash, terminal end area 100µ"/200µ" (2.54µm/5.08µm) tin/lead underplate of 50µ" (1.27µm) nickel

AJ

Engagement area 30µ" (.76µm) gold, terminal end area 100µ"/200µ" (2.54µm/5.08µm) tin/lead underplate of 50µ" (1.27µm) nickel

| .318 (8.08) Footprint | .590 (14.99) Footprint | Description of PC Board Mounting Characteristics            | Style |
|-----------------------|------------------------|-------------------------------------------------------------|-------|
| A                     |                        | .120 (3.05) diameter mtg hole with wrap-around ground strap | A     |
| C                     |                        | split arrowhead boardlock                                   | B     |
| D                     | U                      | .120 (3.05) diameter mtg hole                               | C&E   |
| J                     |                        | #4-40 threaded mtg hole                                     | D     |
|                       | Y                      | split arrowhead boardlock                                   | F     |

Code

P

S

Contact Type

Pin (male)

Socket (female)

For filtered version, see page 56.