

Right-Angle Board Mount Connectors Front Metal Shell

SPECIFICATIONS:

MATERIALS AND PLATINGS

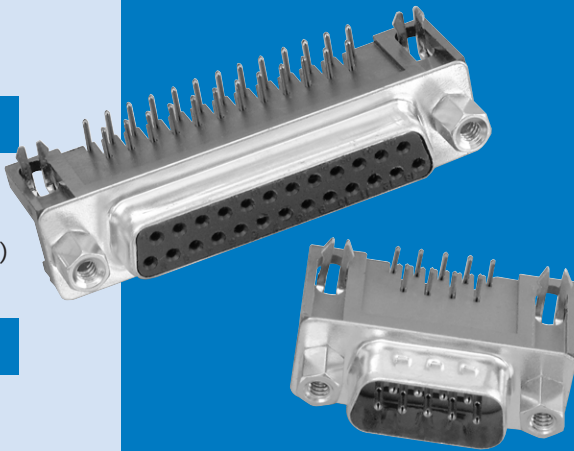
Shells	Steel, tin plated
Contacts	Precision formed copper alloy
Contact Plating	Gold over nickel
Contact Forces	Engagement: 12 oz. max. (340.2 g) Separation: .75 oz. min. (21.26 g)

ELECTRICAL DATA

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

CLIMATIC DATA

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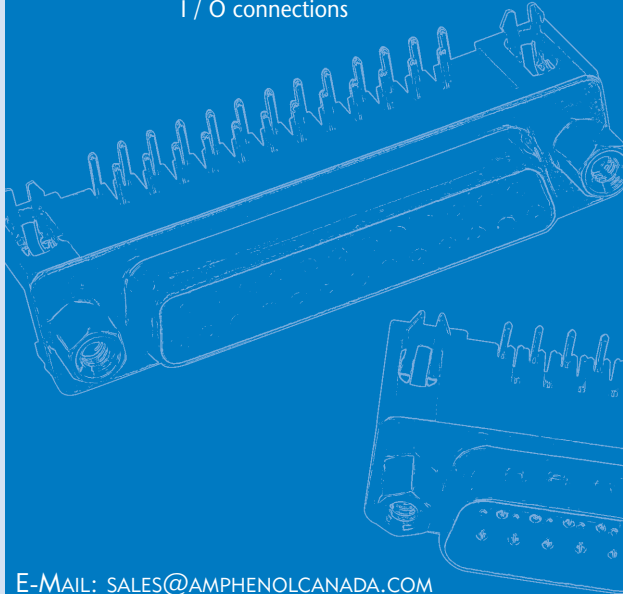


Amphenol's 617 series of right angle commercial connectors provide high performance at competitive prices.

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.

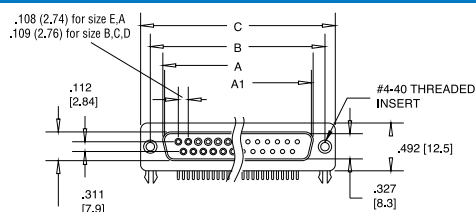
Front mounting holes are also available threaded, un-threaded and with installed female hex screwlocks.

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

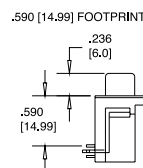
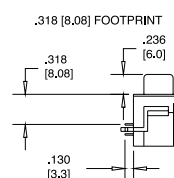
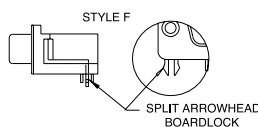
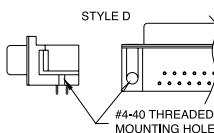
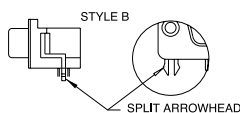
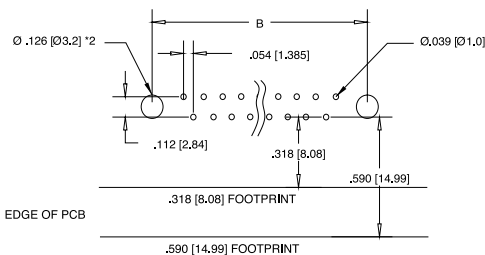
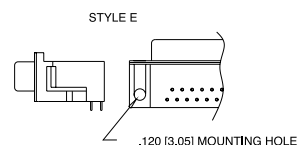
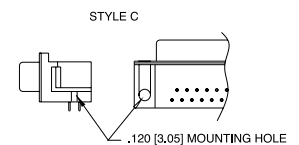
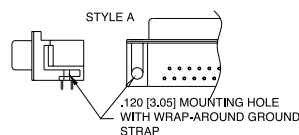
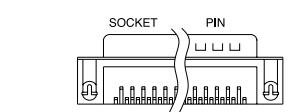


INCHES (MM)

DIMENSIONS



CONTACTS	A SOCKET	A1 PIN	B	C
9	.642 [16.30]	.666 [16.92]	.984 [25.0]	1.213 [30.8]
15	.969 [24.6]	.994 [25.25]	1.311 [33.3]	1.543 [39.2]
25	1.508 [38.3]	1.534 [38.96]	1.854 [47.1]	2.091 [53.1]
37	2.157 [54.8]	2.182 [55.42]	2.50 [63.5]	2.732 [69.4]



ORDERING INFORMATION

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

Series

Number of Contacts
09, 15, 25, 37

Variation Code

E for U & Y Footprint

Contact

Housing Characteristics

Tin plated receptacle
Tin plated plug with grounding indents

Code

Panel Mounting Options

.120 (3.05) clear hole
#4-40 threaded hole
#4-40 threaded hole with female screwlock
Fixed female round screwlock

Code

Contact Plating

Engagement area $3\mu^2$ (.076 μm) gold flash,
terminal end area $100\mu^2/200\mu$ (2.54 $\mu\text{m}/5.08\mu\text{m}$)
tin/lead underplate of $50\mu^2$ (1.27 μm) nickel
Engagement area $15\mu^2$ (.381 μm) gold flash,
terminal end area $100\mu^2/200\mu$ (2.54 $\mu\text{m}/5.08\mu\text{m}$)
tin/lead underplate of $50\mu^2$ (1.27 μm) nickel
Engagement area $30\mu^2$ (.76 μm) gold,
terminal end area $100\mu^2/200\mu$ (2.54 $\mu\text{m}/5.08\mu\text{m}$)
tin/lead underplate of $50\mu^2$ (1.27 μm) nickel

CF

Enga

A.I

Eng:

terminal end area $100\mu"/200\mu$ ($2.54\mu\text{m}/5.08\mu\text{m}$)
tin/lead underplate of $50\mu"$ ($1.27\mu\text{m}$) nickel

Code
P
S

Contact Type
Pin (male)
Socket (female)

For filtered version, see page 56.