

Right-Angle Board Mount Connectors Front Metal Shell

SPECIFICATIONS:

MATERIALS AND PLATINGS

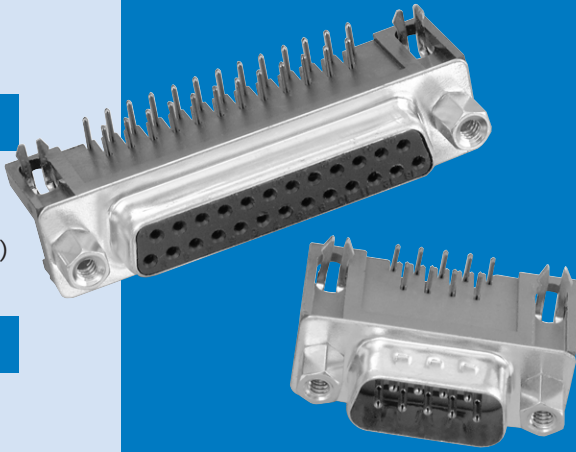
Shells	Steel, tin plated
Contacts	Precision formed copper alloy
Contact Plating	Gold over nickel
Contact Forces	Engagement: 12 oz. max. (340.2 g) Separation: .75 oz. min. (21.26 g)

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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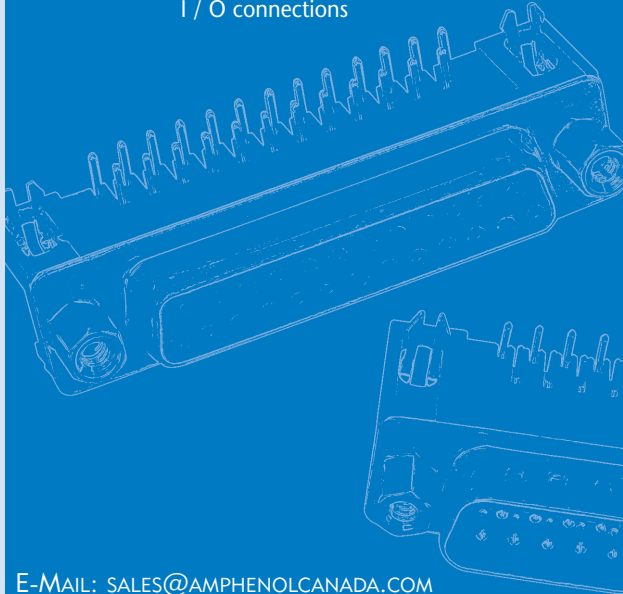


Amphenol's 617 series of right angle commercial connectors provide high performance at competitive prices.

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.

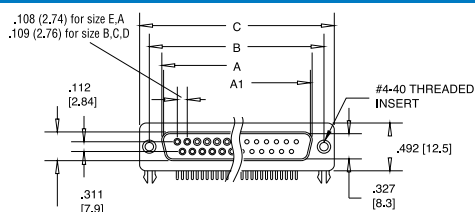
Front mounting holes are also available threaded, un-threaded and with installed female hex screwlocks.

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

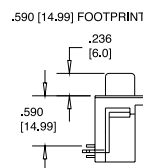
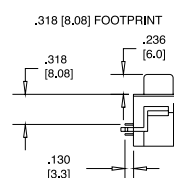
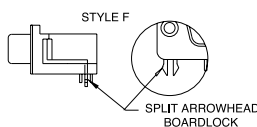
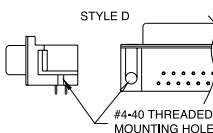
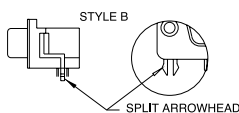
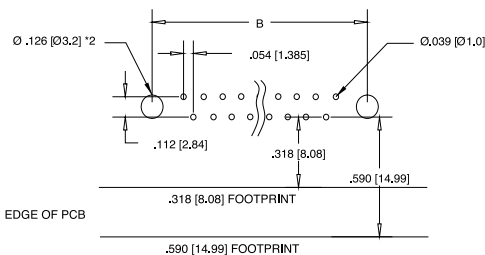
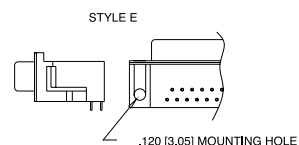
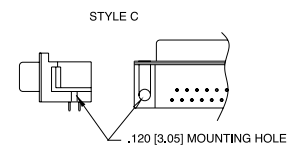
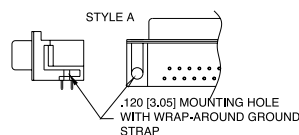
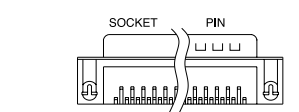


INCHES (MM)

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

.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		spit 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)

Variation Code
E for U & Y Footprint

Contact	Housing Characteristics
20	Tin plated receptacle
21	Tin plated plug with grounding indents

Code	Panel Mounting Options
0	.120 (3.05) clear hole
1	#4-40 threaded hole
2	#4-40 threaded hole with female screwlock
4	Fixed female round screwlock

Code	Contact Plating
BF	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

For filtered version, see page 56.