



SERIES 621/622



FEATURES

Two contact rows with .318" (8.08mm) footprint right-angle bend.

.109" (2.77mm) contact spacing x .112" (2.82mm) row spacing

Plug and receptacle in 9-, 15-, 25- or 37- pin contact sizes
Pin and socket contact mating design with PC tail termination

Metal shell provides EMI/RFI shielding, Plug Shell indents provide grounding and additional mating retention

Grounding features include top or bottom ground plates and four-prong boardlock for superior retention to PC Board

Mounting options for panel mount or connector mating include through hole, threaded inserts and threaded standoffs

D-shaped connector mating outline provides polarization
Design based on requirements of MIL-C-24308, EIA RS-232 and RS-449

SPECIFICATIONS

Insulator Material: Thermoplastic polyester UL 94V-0; chemical resistant; colour - black

Ferrite Specifications: Attenuation - 20db MIN @ 30Mhz, 30dB MIN @ 50MHz, and 50dB @ 100Mhz

Contact Material: Plug contacts- brass
Receptacle contacts - phosphor bronze

Contact Plating: Gold (see Ordering Code) over nickel for the mating area; tin plating on contact tails

Shell Material: Nickel-plated steel

Current Rating: 5 amperes

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000 V AC rms @ sea level

Insulation Resistance: 5000 megohm minimum

Operating Temperature: -55 to + 105 degrees C

Engagement and Separation Force: 1 to 10 oz (0.28 to 2.78 N) per contact position

Example Part Number 621 - 025 - 560 - 0 1 3

Series _____
Total Number of Contacts _____
Contact/Plating Code _____
Material Code _____
Grounding Feature _____
Mounting Option _____

Series

621 _____ Plug
622 _____ Receptacle

Total Contacts

009, 015, 025, 037.....50 (machined pin only)

Contact/Plating Code

260 _____ Gold Flash (Class 3)
560 _____ 10u" (0.25um) (Class 2)
660 _____ 30u" (0.76um) (Class 1)
668 _____ Ferrite Filter

Material Code

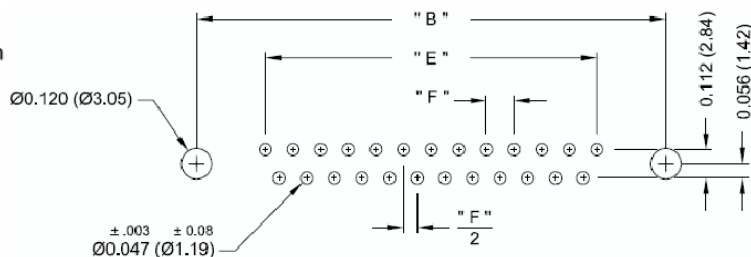
0 _____ Indicates generic internal use code

Grounding Feature

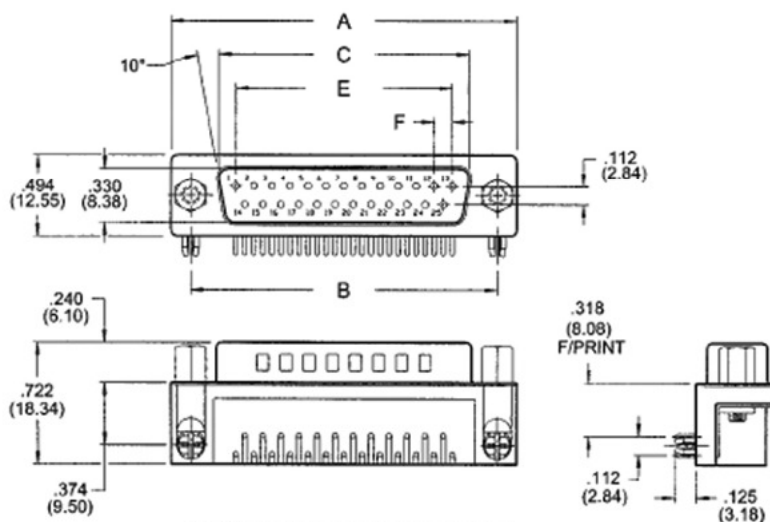
1 _____ .120" (3.05mm) dia. through hole top ground
3 _____ Two-prong boardlocks for .120" (3.05mm) dia. PCB hole
4 _____ Four-prong boardlocks for .120" (3.05mm) dia. PCB hole

Mounting Option

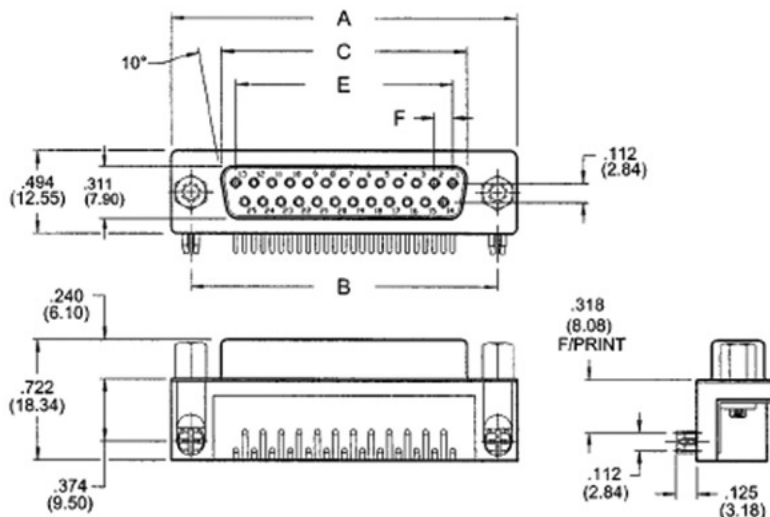
0 _____ #4-40 UNC fixed standoff
1 _____ .125" (3.18mm) dia. through-hole
2 _____ #4-40 UNC threaded insert
3 _____ #4-40 UNC threaded standoff
5 _____ #4-40 UNC threaded standoff & lock washer



RECOMMENDED BOARD HOLE PATTERN



RECEPTACLE 622 SERIES



NUMBER OF CONTACTS	A		B		C PLUG		C RECEPTACLE		E		F	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.214	(30.84)	.984	(24.99)	.667	(16.92)	.640	(16.26)	.432	(10.97)	.108	(2.74)
15	1.545	(39.24)	1.312	(33.32)	.994	(25.25)	.967	(24.56)	.756	(19.20)	.108	(2.74)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.508	(38.30)	1.304	(33.12)	.109	(2.76)
37	2.730	(69.34)	2.500	(63.50)	2.182	(53.08)	2.156	(54.76)	1.956	(49.68)	.109	(2.76)