



## 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

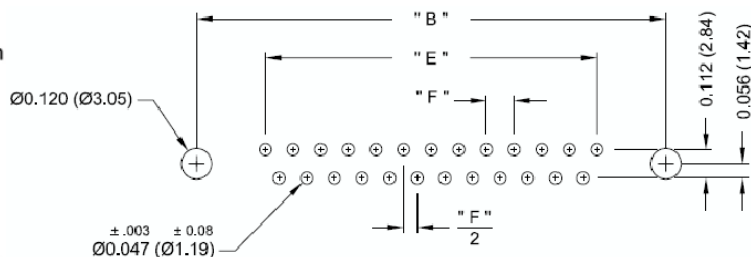
0 \_\_\_\_\_ Indicates generic internal use code

#### Grounding Feature

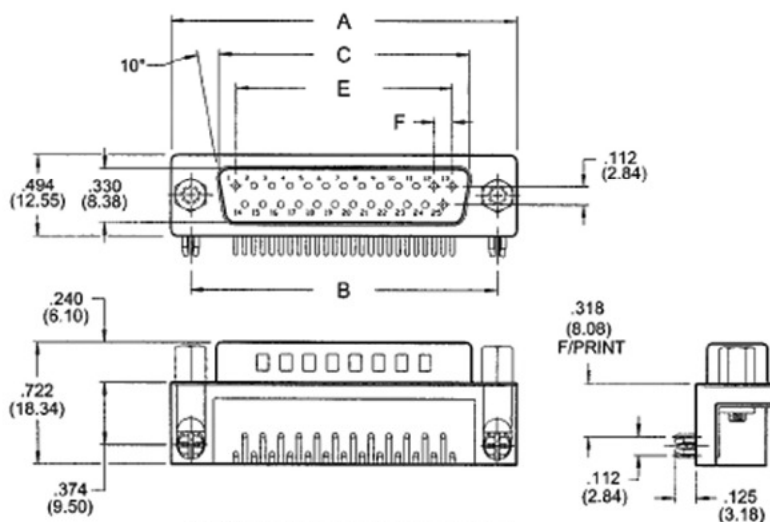
1 \_\_\_\_\_ .120" (3.05mm) dia. through hole top ground  
3 \_\_\_\_\_ Two-prong boardlocks for .120" (3.05mm) dia. PCB hole  
4 \_\_\_\_\_ Four-prong boardlocks for .120" (3.05mm) dia. PCB hole

#### Mounting Option

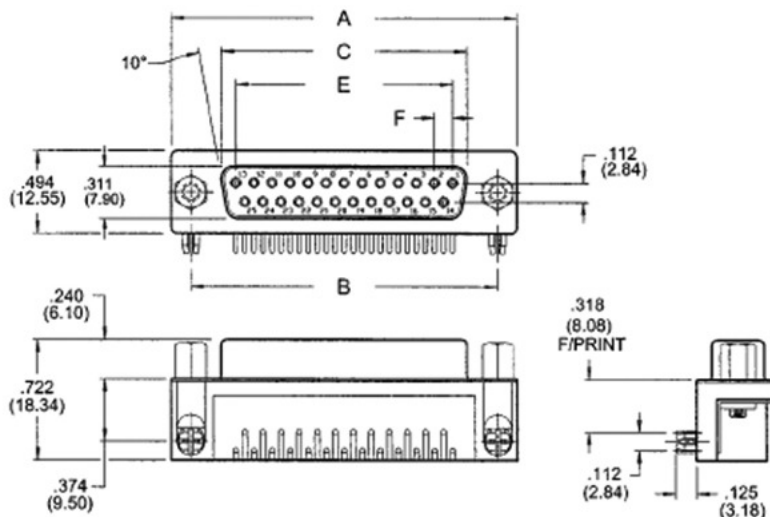
0 \_\_\_\_\_ #4-40 UNC fixed standoff  
1 \_\_\_\_\_ .125" (3.18mm) dia. through-hole  
2 \_\_\_\_\_ #4-40 UNC threaded insert  
3 \_\_\_\_\_ #4-40 UNC threaded standoff  
5 \_\_\_\_\_ #4-40 UNC threaded standoff & lock washer



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) |