

## 621/622 SERIES

Plug and Receptacle, Right Angle, .318" (8.08mm) Footprint



### 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, EIARS-232 and RS-449.

### SPECIFICATIONS

- Insulator Material: Thermoplastic polyester, UL94V-0; chemical resistant; colour - black.
- Ferrite Specifications: Attenuation - 20dB MIN @ 30Mhz, 30dB MIN @ 50MHz, and 50dB MIN @ 100Mhz.
- Contact Material: Plug contacts - brass; receptacle contacts - phosphor bronze.
- Contact Plating: Gold over nickel for the mating area; tin/lead 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 megohms minimum.
- Operating Temperature: -55° to +125° C
- Engagement & Separation Force: 1 to 10 oz. (0.28 to 2.78 N) per contact position.

### SERIES

621.....Plug  
622.....Receptacle

### TOTAL CONTACTS

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

### CONTACT/PLATING CODE

260.....Gold Flash (Class 3)  
560.....10m" (0.25mm) (Class 2)  
660.....30m" (0.76mm) (Class 1)  
668.....Ferrite Filter

### EDAC INTERNAL USE

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

### ORDERING CODE

Series + Total Contacts + Contact/Plating Code + Edac Internal Use +  
+ Grounding Feature + Mounting Option = Ordering Code  
Example: 621-025-560-0-1-3

## 633/634 SERIES

Plug and Receptacle, Right Angle, High-Density, .350" (8.89mm) Footprint



### FEATURES

- High-density three contact rows with .350" (8.89mm) footprint right angle bend.
- .090" (2.29mm) contact spacing x .078" (1.98mm) row spacing.
- Optional 9th contact recessed by .050" (1.27mm) on 15-pin part, in accordance with VESADisplay Data Channel Standard.
- Receptacles and plugs 15-, 26-, 44-, 62- and 78-pin contact sizes.
- 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 two- or four-prong boardlock for exceptional 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, EIARS-232 and RS-449.

### SPECIFICATIONS

- Insulator Material: Thermoplastic polyester, UL 94V-0; chemical resistant; colour - black or blue.
- Ferrite Specifications: Attenuation - 17dB MIN @ 30Mhz, 25dB MIN @ 50Mhz and 40dB @ 100Mhz.
- Contact Material: receptacle contacts - phosphor bronze.
- Contact Plating: Gold over nickel for the mating area, tin/lead plating on contact tails.
- Shell Material: Tin/lead plated steel.
- Current Rating: 5 amperes.
- Contact Resistance: 10 milliohms maximum.
- Dielectric Withstanding Voltage: 1000V AC rms at sea level.
- Insulation Resistance: 5000 megohms minimum.
- Operating Temperature: -55° to +125° C.
- Engagement and Separation Force: 1 to 10 oz. (0.28 to 2.78 N) per contact position.

### SERIES

633.....Plug  
634.....Receptacle

### TOTAL CONTACTS

015, 026, 044, 062 (078 - Female Only)

### PLATING CODE

2.....Gold Flash (Class 3)  
5.....10m" (0.25mm) (Class 2)  
6.....30m" (0.76mm) (Class 1)

### CONTACT CODE

63.....Standard contacts, black plastic  
68.....Ferrite filter  
73.....9th contact recessed .050" (1.27mm), black insulator  
74.....9th contact recessed .050" (1.27mm), blue insulator

### EDAC INTERNAL USE

0.....Indicates generic internal use code

### GROUNDING FEATURE

1......120" (3.05mm) dia. through-hole top ground  
2......120" (3.05mm) dia. through-hole bottom ground (633)  
3.....Two-prong boardlocks for .120" (3.05mm) dia. hole  
4.....Four-prong boardlocks for .120" (3.05mm) dia. hole  
9.....High-temperature four-prong boardlocks

### MOUNTING OPTION

0.....#4-40 UNC standoff w/ threaded insert  
1......125" (3.18mm) dia. through-hole  
2.....#4-40 UNC threaded insert  
3.....#4-40 UNC hex standoff w/ threaded insert

### ORDERING CODE

Series + Total Contacts + Contact Code + Edac Internal Use +  
Grounding Feature + Mounting Option = Ordering Code  
Example: 634-015-632-0-4-2