

627/628 SERIES (Plastic)

Plug and Receptacle, Vertical, PCB Mount, PLASTIC Body



FEATURES

- Low profile available.
- .109" (2.77mm) contact spacing x .112" (2.82mm) row spacing.
- Plug and receptacle in 9-, 15-, 25-, 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 two-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, UL94V-0; chemical resistant; colour - black.
- 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 (tin/lead optional)
- 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

627	Plug
628	Receptacle

TOTAL CONTACTS

009, 015, 025, 037

PLATING CODE

2	Gold Flash (Class 3)
315m" (0.38mm) (Class 2)
630m" (0.76mm) (Class 1)

CONTACT CODE

20	PCtail .140" (3.18mm)
21	PCtail .165" (4.18mm)

EDAC INTERNAL USE

0

BODY STYLE

1

MOUNTING OPTION

1125" (3.18mm) dia. through-hole
2	#4-40 UNC threaded inserts
3	#4-40 UNC threaded standoffs
4	#4-40 UNC threaded insert with dip solder prongs
5	#4-40 UNC threaded standoff with dip solder prongs
6	#4-40 UNC threaded insert with boardlocks
7	#4-40 UNC threaded standoff with boardlocks

ORDERING CODE

Series + Total Contacts + Plating Code + Contact Code + Edac Internal Use + Body Style + Mounting Option = Ordering Code

Example: 627-025-2-20-0-1-7

627/628 SERIES (Metal)

Plug and Receptacle, Vertical, PCB Mount, METAL Body



FEATURES

- Both low and high profiles available.
- .109" (2.77mm) contact spacing x .112" (2.82mm) row spacing.
- Plug and receptacle in 9-, 15-, 25-, 37- and 50-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 two-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, 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 (tin/lead optional)
- 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

627	Plug
628	Receptacle

TOTAL CONTACTS

009, 015, 025, 037, 050

PLATING CODE

2	Gold Flash (Class 3)
315m" (0.38mm) (Class 2)
630m" (0.76mm) (Class 1)

CONTACT CODE

20	PCtail .125" (3.18mm)
21	PCtail .165" (4.18mm)
22	Solder cup termination
28	Ferrite filter

EDAC INTERNAL USE

0

BODY STYLE

4	Metal covered .276" (7.00mm) low profile
5	Metal covered .472" (12.00mm) high profile
6	Metal covered machined contacts low profile

MOUNTING OPTION

1125" (3.18mm) dia. through-hole
2	#4-40 UNC threaded inserts
3	#4-40 UNC threaded standoffs
6	#4-40 UNC threaded insert with boardlocks
7	#4-40 UNC threaded standoff with boardlocks
8	#4-40 UNC threaded fixed standoffs

ORDERING CODE

Series + Total Contacts + Plating Code + Contact Code + Edac Internal Use + Body Style + Mounting Option = Ordering Code

Example: 627-025-2-20-0-4-7