# SERIES 629/630

Example Part Number 629 - 025 - 240 - 0 3 3

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

**Series**

| | |
|---|---|
| 629 | Plug |
| 630 | Receptacle |

**Total Contacts**

009, 015, 025, 037

**Contact/Plating Code**

| | |
|---|---|
| 240 | Gold Flash (Class 3) |
| 340 | 15u" (0.38um) (Class 2) |
| 640 | 30u" (0.76um) (Class 1) |

**Material Code**

| | |
|---|---|
| 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 |
| 3 | Two-prong boardlock for .120' (3.05mm) dia. PCB hole |

**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 |

## FEATURES

Two contact rows with .370" (9.44mm) 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 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, EIA RS-232 and RS-449

## SPECIFICATIONS

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

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: Tin plated steel, (nickel optional)

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 + 105 degrees C

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

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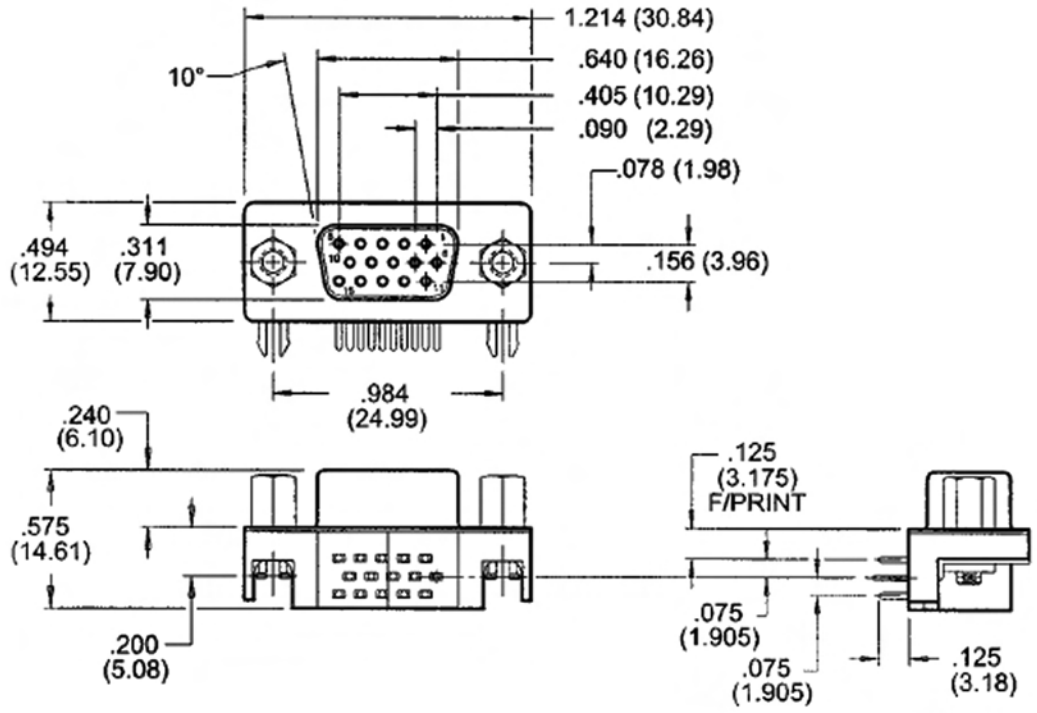


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