



# SERIES 629/630: D-SUB CONNECTOR

Plug and Receptacle, Right Angle, .409"(10.40mm) Footprint



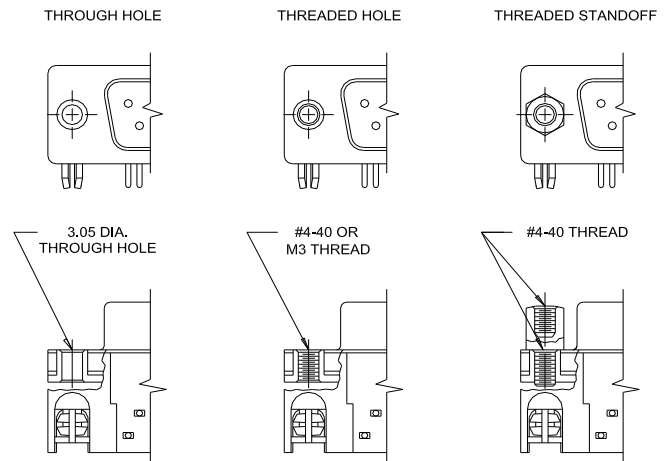
- Two Contact Rows with .409"(10.40mm) Footprint Right Angle Bend
- .109"(2.77mm) Contact Spacing X .112"(2.84mm) Row Spacing
- Plug and Receptacle in 9, 15, 25, or 37 Contact Sizes
- Pin and Socket Contact Mating Design with P.C. Tail Termination
- Metal Shell Provides EMI/RFI Shielding, Plug Shell Indents provide Grounding and Additional Mating Retention
- Board Mounting Features include Two and Three Prong Boardlock for Exceptional Retention to P.C. Board
- Flange Mounting Options for Panel Mount or Connector Mating include Through Hole, Threaded Hole and Threaded Standoffs
- D-Shaped Connector Mating Outline provides Polarization
- Design based on Requirements of MIL-C-24038, EIA RS-232 and RS-449



## Specifications:

Insulator Material	Thermoplastic Polyester, UL 94V-0, Chemical Resistant, Color: Black
Contact Material	Plug (Pins): Copper Alloy Receptacle (Socket): Copper Alloy
Contact Plating	Selective Gold (See Ordering Code) over Nickel for the Mating Area, Tin Plating for Tail Area
Shell Material	Nickel Plated Steel
Current Rating	3A Per Contact
Contact Resistance	25 Milliohms MAX
Insulation Resistance	5000 Megaohms MIN
Dielectric Voltage	1000V AC rms at Sea Level
Operating Temp.	-55°C To +85°C
Mating Force	16 oz (4.45N) Maximum Per Contact Position
Unmating Force	1 oz (0.28N) Minimum Per Contact Position

## FLANGE MOUNTING OPTIONS



## Ordering Code:

**629-025-240-033**

SERIES: \_\_\_\_\_  
 629: PLUG (PIN)  
 630: RECEPTACLE (SOCKET)

NO. OF CONTACTS: \_\_\_\_\_  
 009 - 9 CONTACTS    025 - 25 CONTACTS  
 015 - 15 CONTACTS    037 - 37 CONTACTS

CONTACT FINISH CODE: \_\_\_\_\_  
 2 - GOLD FLASH PLATING  
 3 - 15 MICROINCHES OF GOLD PLATING  
 6 - 30 MICROINCHES OF GOLD PLATING

CONTACT CODE: \_\_\_\_\_  
 40 - .409" FOOTPRINT POWER CONTACT

FLANGE MOUNTING OPTIONS:  
 1 - Ø.120"(Ø3.05MM) THROUGH HOLE  
 2 - #4-40 THREADED HOLE  
 3 - #4-40 THREADED STANDOFF  
 5 - M3 THREADED HOLE

BOARD MOUNTING FEATURE:  
 1 - Ø.120"(Ø3.05MM) THROUGH HOLE  
 3 - TWO PRONG BOARDLOCKS  
 4 - THREE PRONG BOARDLOCKS

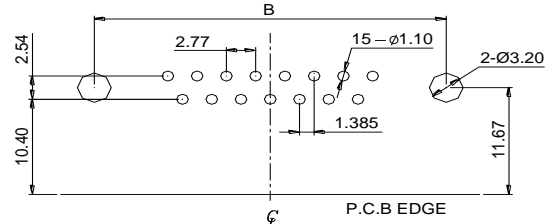
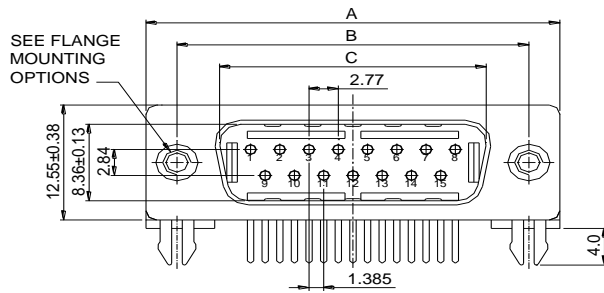
MATERIAL CODE:  
 0 - STANDARD  
 5 - HIGH TEMP INSULATOR



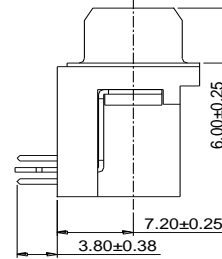
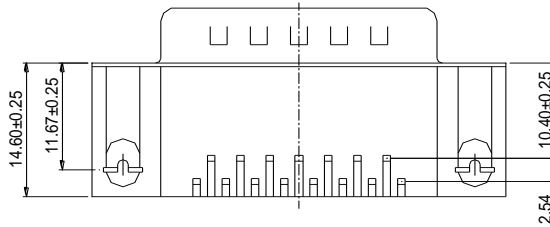
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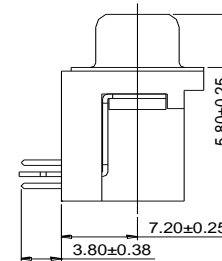
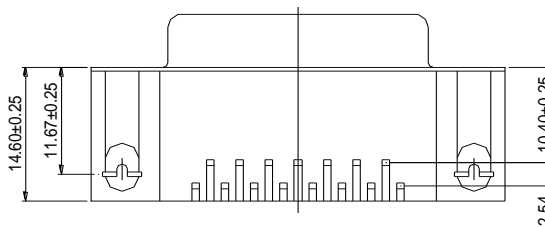
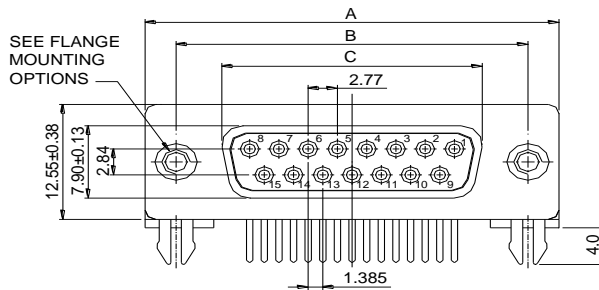
## PLUG 629 SERIES



RECOMMENDED P.C.B LAYOUT  
(FOR PLUG AND RECEPTACLE)



## RECEPTACLE 630 SERIES



NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		C±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)