

D-Sub Connectors: Right Angle, 0.197" (5.00mm) Footprint

Features:

- Two contact rows with 0.197"(5.00mm) footprint, right angle bend
- 0.109"(2.77mm) contact spacing X 0.112"(2.84mm) row spacing
- Plug and receptacle in 9, 15, or 25 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 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	3 amps
Contact Resistance	25 Milliohms maximum
Insulation Resistance	5000 megaohms minimum
Dielectric Withstanding Voltage	1000 V AC rms at Sea Level
Operating Temperature	-55°C To +85°C (upto +125°C for high temp)
Insertion Force	16 oz (4.45 N) Maximum Per Contact Position
Withdrawal Force	1 oz (0.28 N) Minimum Per Contact Position

Ordering Code:

623-025-261-033

SERIES:
623: PLUG (PIN)
624: RECEPTACLE (SOCKET)

NO. OF CONTACTS:
009 - 9 CONTACTS
015 - 15 CONTACTS
025 - 25 CONTACTS

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

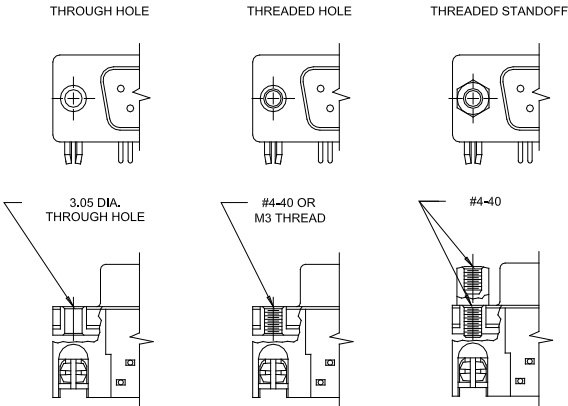
CONTACT CODE:
61 - .197" FOOTPRINT CONTACT

FLANGE MOUNTING OPTIONS:
1 - DIA .120"(DIA 3.05MM) THROUGH HOLE
2 - #4-40 THREADED HOLE
3 - #4-40 THREADED STANDOFF
5 - M3 THREADED HOLE

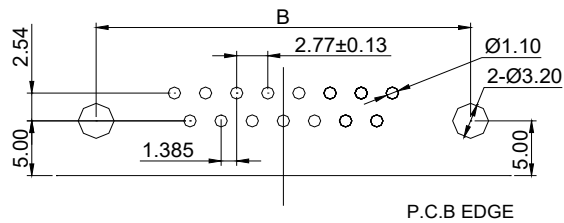
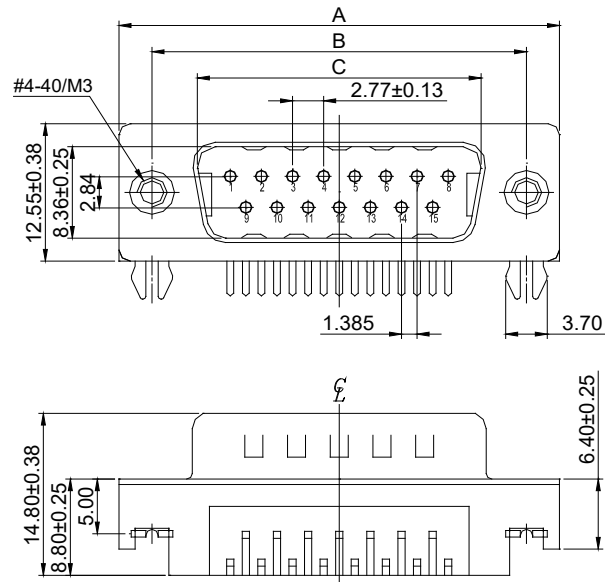
BOARD MOUNTING FEATURE:
3 - TWO PRONG BOARDLOCKS

INSULATOR MATERIAL CODE:
0 - STANDARD
5 - HIGH TEMP INSULATOR

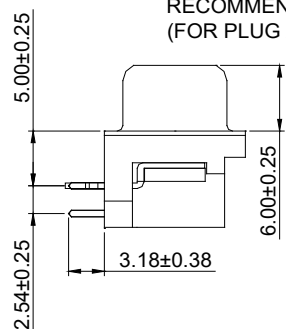
FLANGE MOUNTING OPTIONS



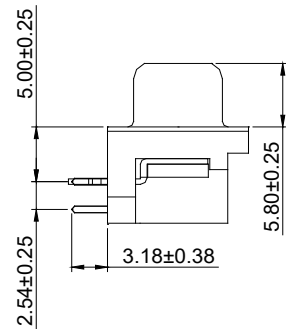
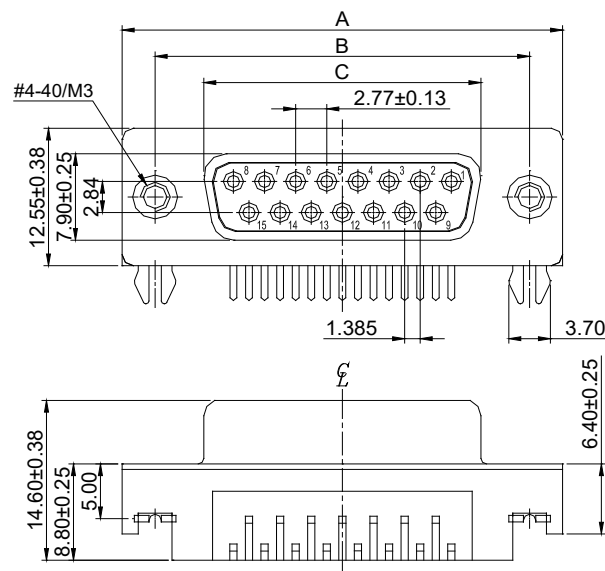
PLUG 623 SERIES



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



RECEPTACLE 624 SERIES



NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.25 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)

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