



SERIES 661/662/663/664: D-SUB CONNECTOR

Plug and Receptacle Combination, Dual Port, Right Angle Connectors

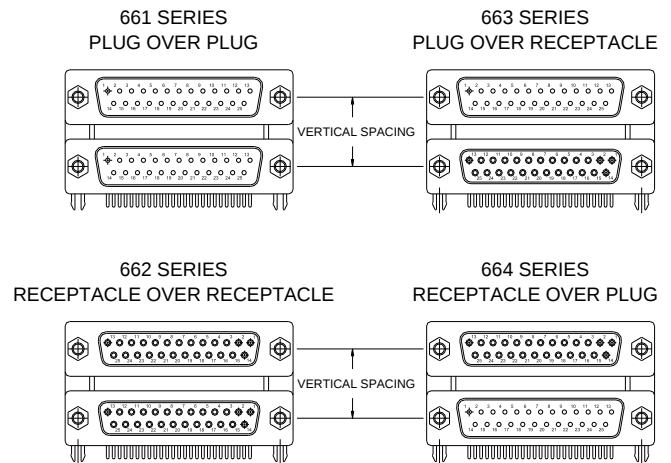


- Two Contact Rows per connector with Right Angle Bend
- .109" (2.77mm) Contact Spacing x .112" (2.84mm) Row Spacing
- Plug and Receptacle in 9, 15, 25 or 37 Contact Sizes
- Pin and Socket Contact Mating Design with P.C. Tail Termination
- Metal Shell Provides EMI/RFI Shielding, Plug Shell Indents provide Grounding and Additional Mating Retention
- Board Mounting Features include Grounding Bracket with Threaded Hole or Boardlocks for Exceptional Retention to P.C. Board
- Flange 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-24038, EIA RS-232 and RS-449
- Additional Grounding Features or Mounting Options - Contact Customer Service at customerservice@edac.net



Specifications:

Insulator Material	Thermoplastic Polyester, UL 94V-0, Chemical Resistant, Color: Black
Contact Material	Plug (Pins): Brass Receptacle (Socket): Brass or Phosphor Bronze
Contact Plating	Selective Gold (See Ordering Code) over Nickel for the Mating Area, Tin Plating for Tail Area
Ferrite Specs:	20dB MIN @30 MHz, 30dB MIN @50 MHz, and 50dB MIN @100 MHz
Shell Material	Nickel Plated Steel
Current Rating	3A Per Contact
Contact Resistance	25 Milliohms MAX
Insulation Resistance	5000 Megohms 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



Ordering Code:

661-025-264-053

SERIES:

661: PLUG OVER PLUG
662: RECEPTACLE OVER RECEPTACLE
663: PLUG OVER RECEPTACLE
664: RECEPTACLE OVER PLUG

NO. OF CONTACTS (PER CONNECTOR):

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:

64 - DUAL PORT RIGHT ANGLE BEND CONTACT

FLANGE MOUNTING OPTIONS:

1 - .625" (15.88MM) M3 THREADED INSERT
2 - .625" (15.88MM) #4-40 UNC THREADED INSERT
3 - .625" (15.88MM) #4-40 UNC THREADED HEX STANDOFF
4 - .625" (15.88MM) .125" CLEAR HOLE INSERT
5 - .750" (19.05MM) #4-40 UNC THREADED INSERT
6 - .750" (19.05MM) #4-40 UNC THREADED HEX STANDOFF
7 - .750" (19.05MM) .125" CLEAR HOLE INSERT
8 - .900" (22.86MM) #4-40 UNC THREADED INSERT
9 - .900" (22.86MM) #4-40 UNC THREADED HEX STANDOFF
0 - .900" (22.86MM) .125" CLEAR HOLE INSERT

BOARD GROUNDING FEATURE:

0 - NONE
3 - TWO PRONG BOARDLOCKS
4 - FOUR PRONG BOARDLOCKS
5 - #4-40 THREADED HOLE

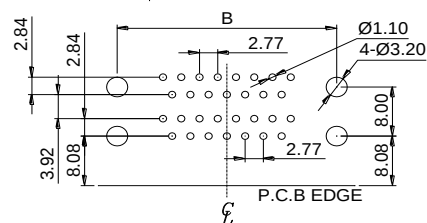
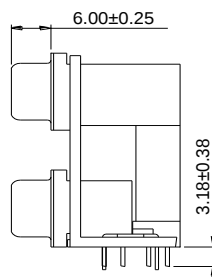
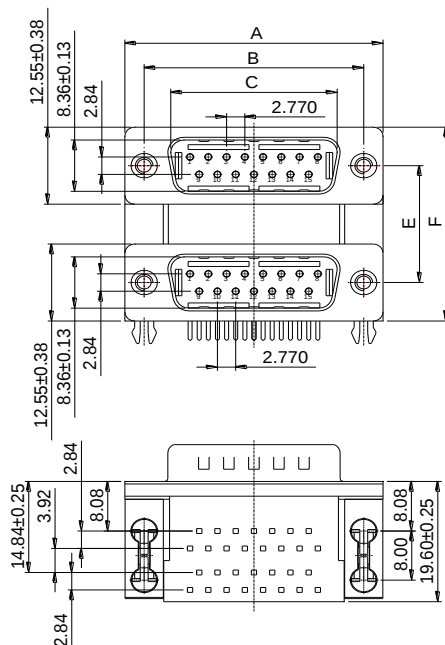
EDAC INTERNAL USE



SERIES 661/662/663/664: D-SUB CONNECTOR

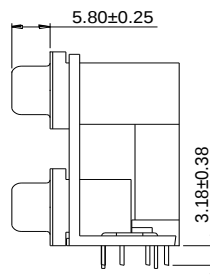
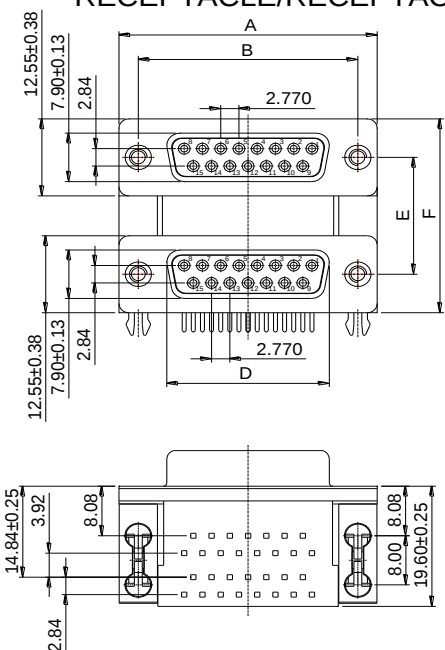
Plug and Receptacle Combination, Dual Port, Right Angle Connectors

PLUG/PLUG 661 SERIES



RECOMMENDED P.C.B LAYOUT
FOR ALL SERIES

RECEPTACLE/RECEPTACLE 662 SERIES



FOR ALL SERIES

CTR TO CTR
VERTICAL
SPACING

E±0.25		F±0.38	
Inch	(mm)	Inch	(mm)
.625	(15.88)	1.119	(28.43)
.750	(19.05)	1.244	(31.60)
.900	(22.86)	1.394	(35.41)

FOR ALL SERIES

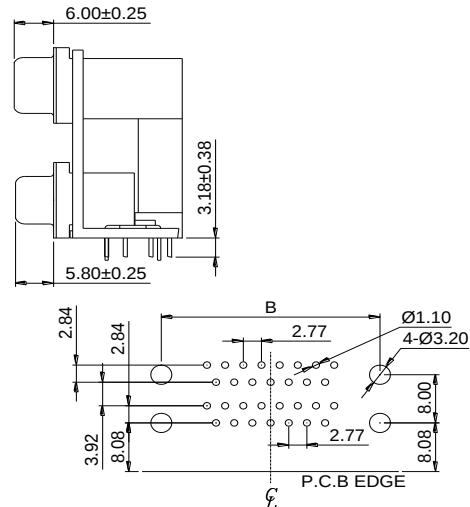
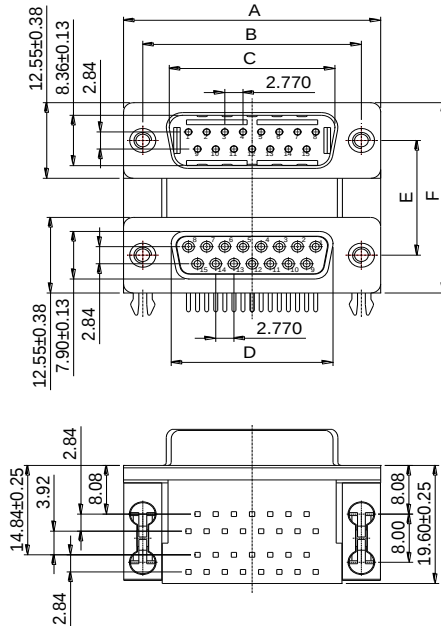
NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		D±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500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



SERIES 661/662/663/664: D-SUB CONNECTOR

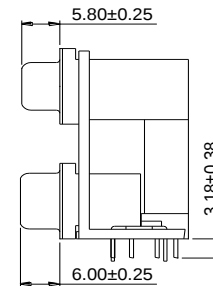
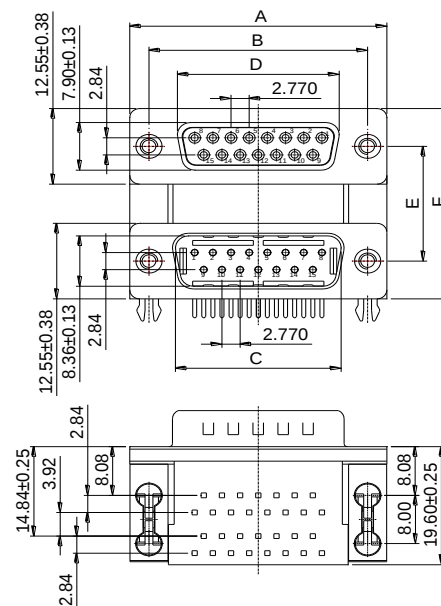
Plug and Receptacle Combination, Dual Port, Right Angle Connectors

PLUG/RECEPTACLE 663 SERIES



RECOMMENDED P.C.B LAYOUT
FOR ALL SERIES

RECEPTACLE/PLUG 664 SERIES



FOR ALL SERIES

CTR TO CTR VERTICAL SPACING	E±0.25		F±0.38	
	Inch	(mm)	Inch	(mm)
	.625	(15.88)	1.119	(28.43)
	.750	(19.05)	1.244	(31.60)

FOR ALL SERIES

NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		D±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)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

EDAC:

[662-009-264-072](#) [662-009-268-035](#) [662-025-664-175](#) [662-030-269-035](#) [662-050-264-038](#)