

High Density Dual Port Series

PROFESSIONAL QUALITY PRINTED BOARD MOUNT HIGH DENSITY DUAL PORT VERTICALLY STACKED CONNECTOR ASSEMBLY FOR SHELTERED INDOOR/OUTDOOR ENVIRONMENTAL APPLICATIONS

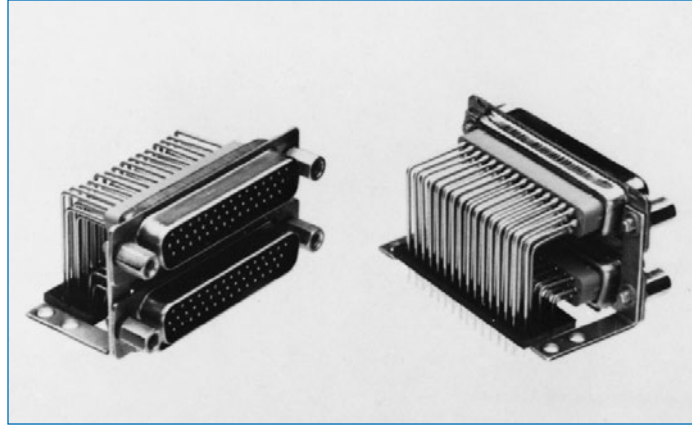
Size 22 Contacts,
Two Connectors Vertically
Stacked and Assembled
As a Single Connector Unit

Professional Quality
Connectors

U.L. Recognized
File #E49351

CSA Recognized
File #LR54219

Telecommunication
U.L. File #14098



High Density Dual Port Series connectors utilize two high density connectors vertically stacked and assembled into a single connector unit, which permits saving of panel and printed board space, and decreases final assembly costs.

High Density Dual Port Series connectors are professional quality connectors recommended for use in sheltered, non-corrosive indoor and outdoor environments having normal ventilation.

Connector contact variants are 15, 26, 44 and 62. Connector genders can be mixed, i.e., one male and one female connector within one High Density Dual Port assembly. The two connectors may be

spaced apart to three standard dimensional spacings. The connector may also be partially populated with contacts which are installed in the connector body to customer selected contact positions.

Mounting angle brackets can be ordered riveted to the connector by specifying R2, R6, R7 or R8 options. Locking systems are available utilizing 4-40 threaded jackscrew systems, polarized or non-polarized, or with a quick release Vibration Lock System for either front or rear panel mounted connectors.

High Density Dual Port Series connectors comply with the dimensional requirements of MIL-DTL-24308.

HIGH DENSITY DUAL PORT SERIES TECHNICAL CHARACTERISTICS

MATERIALS AND FINISHES:

Insulator:	Glass filled polyester per ASTM D5927, UL 94V-0, black color.
Contacts:	Male and female contacts – precision machined high tensile phosphor bronze.
Contact Plating:	Gold flash over nickel plate. Other finishes available upon request.
Shells:	Steel with tin plate, or zinc plate. Other materials and finishes available upon request.
Mounting Spacers and Brackets:	Steel or brass with tin plate, or zinc.
Push-On Fasteners:	Beryllium copper with tin plate.
Jackscrew Systems:	Steel with zinc plate, or clear zinc plate.
Vibration Lock Systems:	Lock tabs, steel with nickel plate.

ELECTRICAL CHARACTERISTICS:

Contact Current Rating:	3 amperes.
Initial Contact Resistance:	0.010 ohms maximum.
Proof Voltage:	1,000 V r.m.s.
Insulator Resistance:	5 G ohms.
Clearance and Creepage Distance [minimum]:	0.039 inch [1.0 mm].
Working Voltage:	300 V r.m.s.

MECHANICAL CHARACTERISTICS:

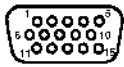
Fixed Contacts:	Size 22 contact, male contact – 0.030 inch [0.76 mm] diameter. Female contact – rugged open entry design.
Contact Retention in Insulator:	7 lbs. [31 N].
Contact Terminations:	Printed board mount with 90° terminations supported in footprint pattern by a plastic cross bar. Termination diameter 0.020 inch [0.51 mm].
Shells:	Male shells may be dimpled for EMI/ESD ground paths.
Polarization:	Trapezoidally shaped shells and polarized jackscrews.
Mounting Bracket Riveted to Connector:	Riveted fasteners with 0.120 inch [3.05 mm] diameter clearance hole, 4-40 threads, or 4-40 threads with Polyester lock insert.
Mounting to Printed Board:	Rapid installation push-on fasteners.
Locking Systems:	Jackscrews and vibration locking systems for either front or rear panel mounted connectors.
Mechanical Operations:	500 operations minimum per IEC 512-5.

CLIMATIC CHARACTERISTICS:

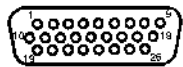
Temperature Range:	-55°C to +125°C.
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CONTACT VARIANTS

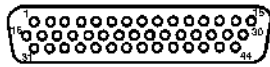
FACE VIEW OF MALE OR REAR VIEW OF FEMALE



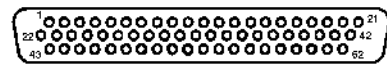
DD*15/15



DD*26/26

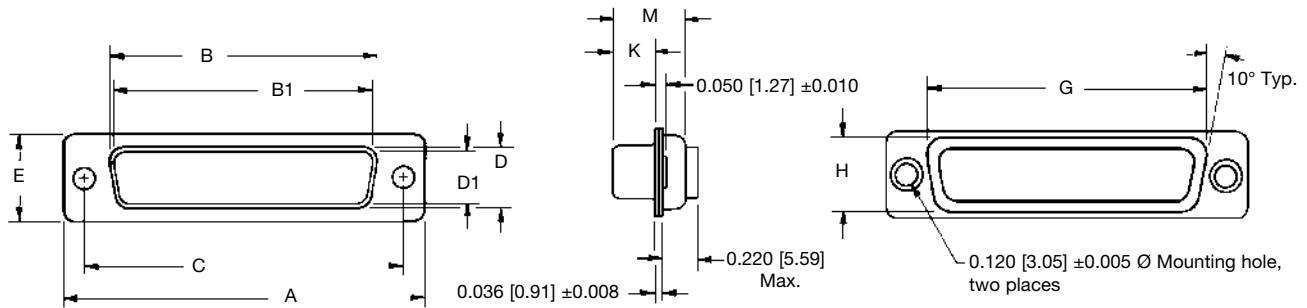


DD*44/44



DD*62/62

STANDARD SHELL ASSEMBLY

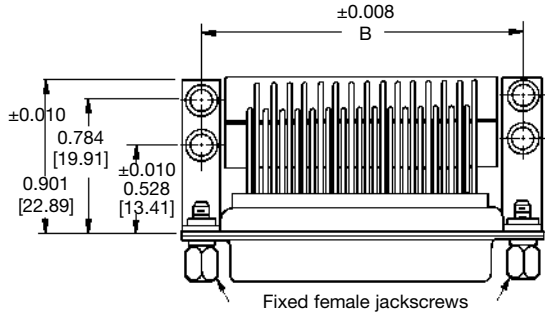


CONNECTOR VARIANT SIZES	A ±0.015	B ±0.005	B1 ±0.005	C ±0.005	D ±0.005	D1 ±0.005	E ±0.015	G ±0.010	H ±0.010	K ±0.005	M ±0.010
15M/15M	1.213 [30.81]		0.666 [16.92]	0.984 [24.99]		0.329 [8.36]	0.494 [12.55]	0.759 [19.28]	0.422 [10.72]	0.233 [5.92]	0.422 [10.72]
15F/15F	1.213 [30.81]	0.643 [16.33]		0.984 [24.99]	0.311 [7.90]		0.494 [12.55]	0.759 [19.28]	0.422 [10.72]	0.243 [6.17]	0.429 [10.90]
26M/26M	1.541 [39.14]		0.994 [25.25]	1.312 [33.32]		0.329 [8.36]	0.494 [12.55]	1.083 [27.51]	0.422 [10.72]	0.233 [5.92]	0.422 [10.72]
26F/26F	1.541 [39.14]	0.971 [24.66]		1.312 [33.32]	0.311 [7.90]		0.494 [12.55]	1.083 [27.51]	0.422 [10.72]	0.243 [6.17]	0.429 [10.90]
44M/44M	2.088 [53.04]		1.534 [38.96]	1.852 [47.04]		0.329 [8.36]	0.494 [12.55]	1.625 [41.28]	0.422 [10.72]	0.230 [5.84]	0.426 [10.82]
44F/44F	2.088 [53.04]	1.511 [38.38]		1.852 [47.04]	0.311 [7.90]		0.494 [12.55]	1.625 [41.28]	0.422 [10.72]	0.243 [6.17]	0.429 [10.90]
62M/62M	2.729 [69.32]		2.182 [55.42]	2.500 [63.50]		0.329 [8.36]	0.494 [12.55]	2.272 [57.71]	0.422 [10.72]	0.230 [5.84]	0.426 [10.82]
62F/62F	2.729 [69.32]	2.159 [54.84]		2.500 [63.50]	0.311 [7.90]		0.494 [12.55]	2.272 [57.71]	0.422 [10.72]	0.243 [6.17]	0.429 [10.90]

DIMENSIONS ARE IN INCHES [MILLIMETERS].
ALL DIMENSIONS ARE SUBJECT TO CHANGE.

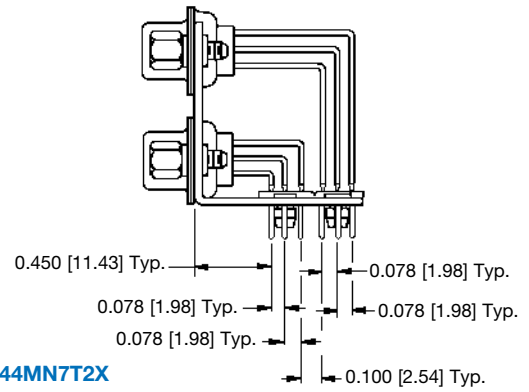
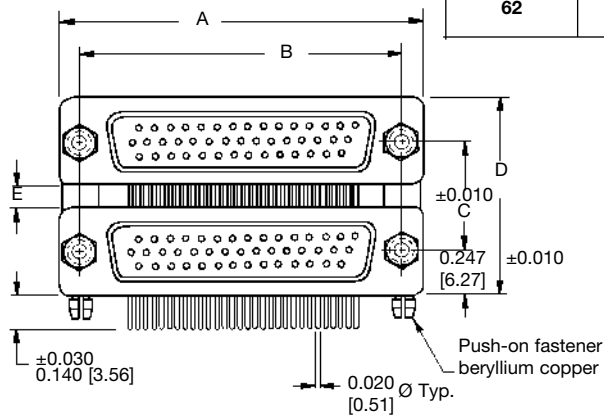


**90° PRINTED BOARD MOUNT CONNECTOR
6 ROW CONNECTOR UNIT, 0.450 [11.43] CONTACT EXTENSION**

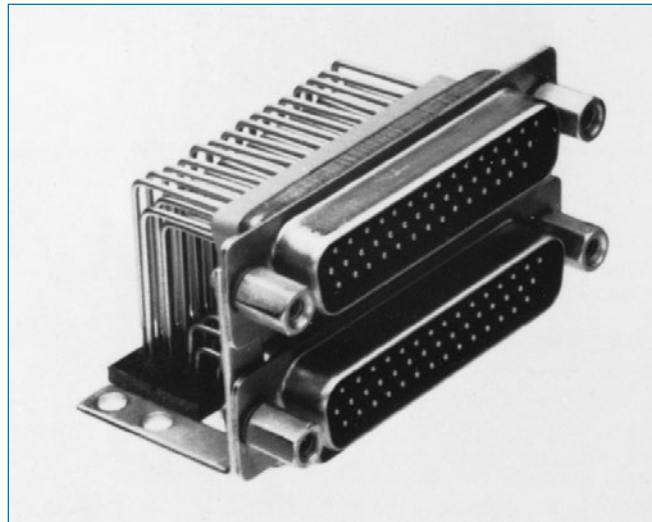


CONNECTOR VARIANT	NO. OF CONTACTS	A	B
15	30	1.213 [30.81]	0.984 [24.99]
26	52	1.541 [39.14]	1.312 [33.32]
44	88	2.088 [53.04]	1.852 [47.04]
62	124	2.729 [69.32]	2.500 [63.50]

CONNECTOR DESIGNATION	C	D	E
DDA	0.625 [15.88]	1.119 [28.42]	0.131 [3.33]
DDB	0.750 [19.05]	1.244 [31.60]	0.256 [6.50]
DDC	0.900 [22.86]	1.394 [35.41]	0.406 [10.31]



Typical Part Number: DDA44MN7T2/44MN7T2X



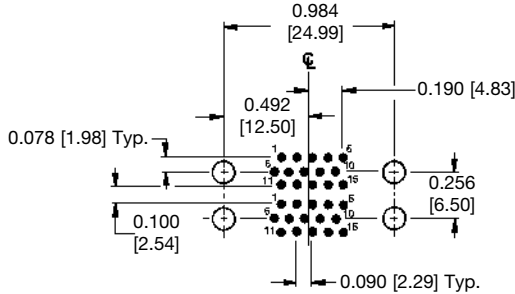
DDA44MR7T/44MR7T0

**DIMENSIONS ARE IN INCHES [MILLIMETERS].
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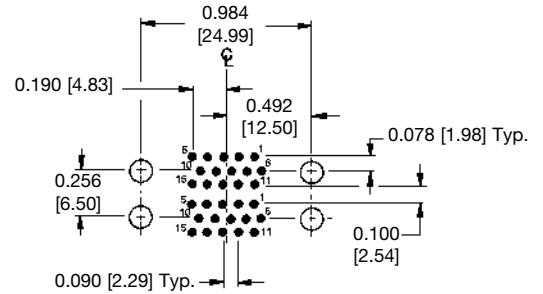
PRINTED BOARD CONTACT HOLE PATTERN

Mount connector with mating face positioned to follow direction of arrows.

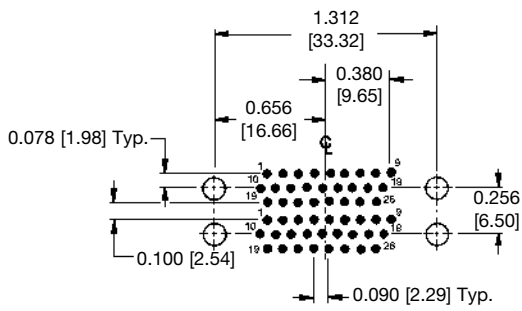
DD*15 MALE OVER MALE CONNECTOR



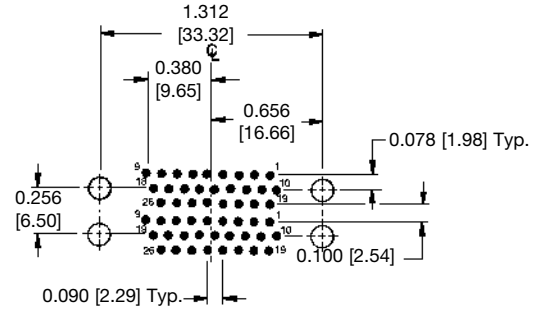
DD*15 FEMALE OVER FEMALE CONNECTOR



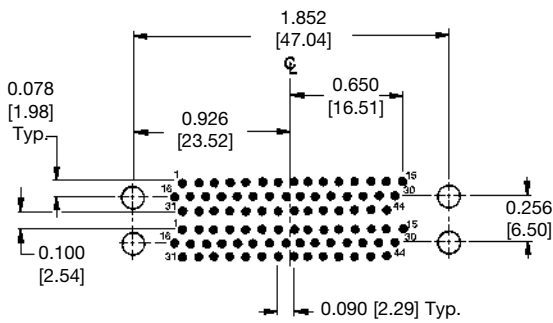
DD*26 MALE OVER MALE CONNECTOR



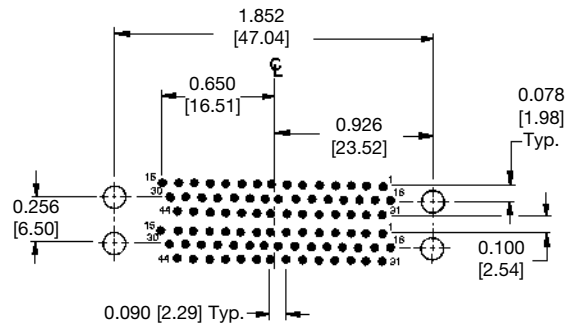
DD*26 FEMALE OVER FEMALE CONNECTOR



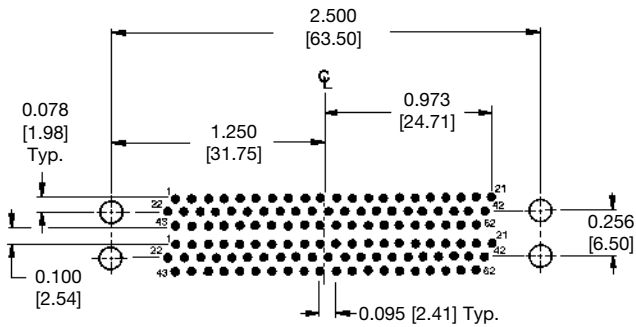
DD*44 MALE OVER MALE CONNECTOR



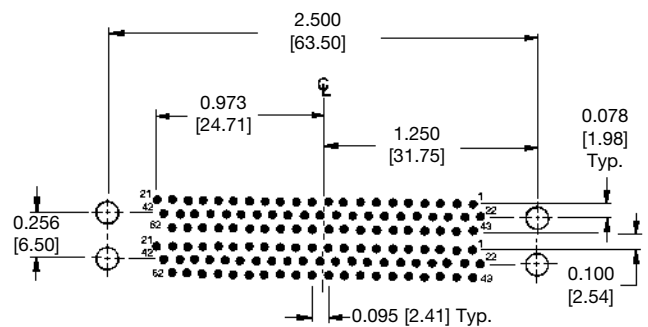
DD*44 FEMALE OVER FEMALE CONNECTOR



DD*62 MALE OVER MALE CONNECTOR



DD*62 FEMALE OVER FEMALE CONNECTOR



Mounting hole must move 0.020 [0.51] opposite direction of the arrow for use of unriveted mounting brackets with connectors.

Suggest 0.035 ±0.002 [0.89] Ø hole for contact termination positions.
Suggest 0.123 ±0.003 [3.12] Ø hole for mounting connector with push-on fasteners.
The * signifies either a DDA, DDB or DDC connector type.

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ORDERING INFORMATION – CODE NUMBERING SYSTEM

Specify Complete Connector By Following Steps 1 Through 9
Insert “0” When Step Is Not Used

STEP	1	2	3	4	/	5	6	7	8	9	
Upper Connector	DDA	44	F	N6T		44	F	N6T	X		
STEP 1 - Basic Series DDA Series DDB Series DDC Series				STEP 2 - DD Series Connector Variants 15, 26, 44, 62				STEP 3 - Connector Gender M - Male F - Female			
STEP 4 - Locking, Polarizing, Mounting and Push-On Fastener Systems 0 - None. R2 - Bracket, Mounting, 90° Metal, Swaged to Connector with 4-40 Thread Fixed Female Jackscrews with Cross Bar. R6 - Bracket, Mounting, 90° Metal, Swaged to Connector with 0.120 [3.05] Ø Mounting Hole with Cross Bar. R7 - Bracket, Mounting, 90° Metal, Swaged to Connector with 4-40 Threads with Cross Bar. R8 - Bracket, Mounting, 90° Metal, Swaged to Connector with 4-40 Locknut with Cross Bar. N2 - Bracket, Mounting, 90° Metal, Swaged to Connector with 4-40 Thread Fixed Female Jackscrews with Cross Bar and Push-on Fastener. N6 - Bracket, Mounting, 90° Metal, Swaged to Connector with 0.120 [3.05] Ø Mounting Hole with Cross Bar with Push-on Fastener. N7 - Bracket, Mounting, 90° Metal, Swaged to Connector with 4-40 Threads with Cross Bar and with Push-on Fastener. N8 - Bracket, Mounting, 90° Metal, Swaged to Connector with 4-40 Locknut with Cross Bar and with Push-on Fastener. V3 - Lock Tab, connector front panel mounted. V5 - Lock Tab, connector rear panel mounted. T - Fixed Female Jackscrews. T2 - Fixed Female Jackscrews. T6 - Fixed Male and Female Polarized.				Options are the same as for Upper Connector Steps 2, 3 and 4.				STEP 8 - Shell Options 0 - Zinc Plated. X - Tin Plated. Z - Tin Plated and Dimpled - male connector only			
										STEP 9 - Special Options Consult Sales Department.	
										Lower Connector	