HIGH DENSITY CONNECTOR SAVERS / GENDER CHANGERS

DAD Series
Size 22
"Open Entry" or
PosiBand® "Closed Entry"
Contact Design

Connector Saver

DAD series connectors are suitable for use in any applications requiring high performance characteristic. The high density DAD series is available in six standard connector variants of 15, 26, 44, 62, 78 and 104 contacts.

DAD series connectors utilize precision machined contacts for strength and durability. The female contact features a rugged open entry design. Female PosiBand closed entry contacts can be chosen for even higher reliability, see page 1 for details.

DAD series connectors can be mated to a connector which would normally experience high



numbers of mating cycles. The DAD connector can be easily replaced, "saving" a connector which is not easily replaced.

Connectors are available in standard density versions, see page 71.



TECHNICAL CHARACTERISTICS

MATERIALS AND FINISHES:

Insulator: Polyester glass-filled per ASTM D5927,

UL 94V-0.

Contacts: Precision machined copper alloy.

Contact Plating: Gold flash over nickel plate. Other

finishes available upon request.

Shells: Steel or brass with tin plate; zinc plate

with chromate seal, stainless steel passivated. Other materials and finishes

available upon request.

Low magnetic versions are available, contact Technical Sales.

MECHANICAL CHARACTERISTICS:

Fixed Contacts: Size 22 contacts - male 0.030 inch

[0.76 mm] mating diameter. Female Contact: open entry or PosiBand closed entry design, see page 1 for

details.

Connector Saver: Male to female.

Contact Retention: 9 lbs. [40 N].

Shells: Male shells may be dimpled for

EMI/ESD ground paths.

Polarization: Trapezoidally shaped shells.

Mechanical Operations: 500 operations, minimum, per IEC

60512-5 for open entry.

1000 operations, minimum, per IEC

60512-5 for closed entry.

ELECTRICAL CHARACTERISTICS:

Contact Current Rating:

Open Entry Contacts: 5 amperes nominal Closed Entry Contacts, tested per UL 1977:

12 amperes, 2 contacts energized. 10 amperes, 6 contacts energized. 7.5 amperes, 26 contacts energized. 6.5 amperes, 65 contacts energized. 5.0 amperes, 104 contacts energized.

See temperature rise curves on page 2 for details.

Initial Contact Resistance: 0.010 ohms, maximum for open entry

0.005 ohms, maximum for closed entry

Proof Voltage: 1,000 V r.m.s. **Insulator Resistance:** 5 G ohms.

Clearance and

Creepage Distance: 0.042 inch [1.06 mm], minimum.

Working Voltage: 300 V r.m.s.

CLIMATIC CHARACTERISTICS:

Temperature Range: -55°C to +125°C.

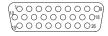


DAD SERIES SIZE 22 CONTACT CONNECTOR SAVER

CONTACT VARIANTS

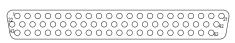
FACE VIEW OF MALE OR USE MIRROR IMAGE FOR FEMALE

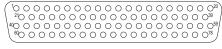


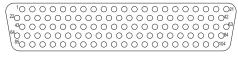




DAD 26

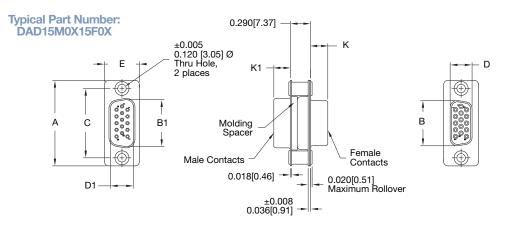






DAD 62 DAD 104 DAD 78

STANDARD SHELL ASSEMBLY DIMENSIONS **SIZE 22 CONTACTS**



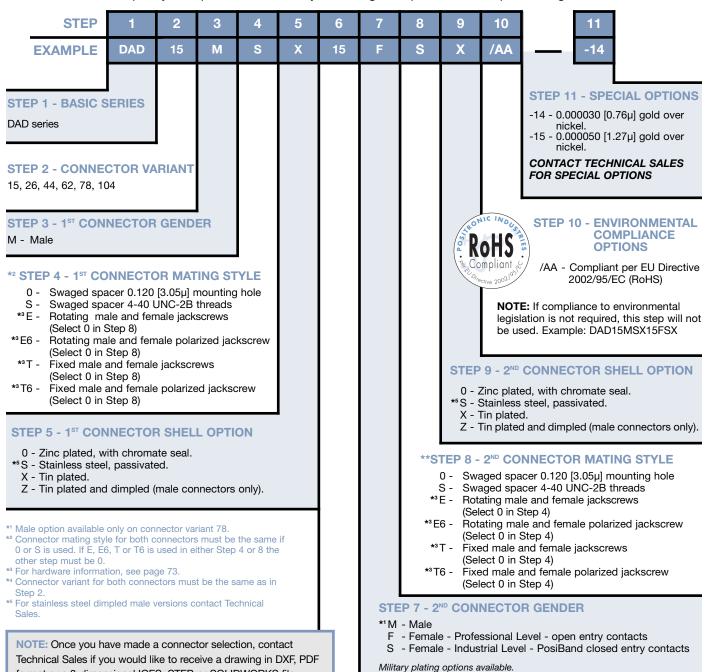
CONNECTOR VARIANT SIZES	A ±0.015 [0.38]	B ±0.005 [0.13]	B1 ±0.005 [0.13]	C ±0.005 [0.13]	D <u>±0.005</u> [0.13]	D1 ±0.005 [0.13]	E ±0.015 [0.38]	K ±0.005 [0.13]	K1 ±0.005 [0.13]
15 M	1.213 [30.81]		<u>0.666</u> [16.92]	0.984 [24.99]		0.329 [8.36]	<u>0.494</u> [12.55]		<u>0.233</u> [5.92]
15 F 15 S	1.213 [30.81]	<u>0.643</u> [16.33]		<u>0.984</u> [24.99]	<u>0.311</u> [7.90]		<u>0.494</u> [12.55]	<u>0.243</u> [6.17]	
26 M	1.541 [39.14]		0.994 [25.25]	1.312 [33.32]		<u>0.329</u> [8.36]	<u>0.494</u> [12.55]		<u>0.233</u> [5.92]
26 F 26 S	1.541 [39.14]	<u>0.971</u> [24.66]		1.312 [33.32]	<u>0.311</u> [7.90]		<u>0.494</u> [12.55]	<u>0.243</u> [6.17]	
44 M	2.088 [53.04]		1.534 [38.96]	1.852 [47.04]		0.329 [8.36]	<u>0.494</u> [12.55]		<u>0.230</u> [5.84]
44 F 44 S	2.088 [53.04]	1.511 [38.38]		1.852 [47.04]	<u>0.311</u> [7.90]		<u>0.494</u> [12.55]	<u>0.243</u> [6.17]	
62 M	2.729 [69.32]		2.182 [55.42]	2.500 [63.50]		0.329 [8.36]	<u>0.494</u> [12.55]		<u>0.230</u> [5.84]
62 F 62 S	2.729 [69.32]	<u>2.159</u> [54.84]		2.500 [63.50]	<u>0.311</u> [7.90]		<u>0.494</u> [12.55]	<u>0.243</u> [6.17]	
78 M	2.635 [66.93]		2.079 [52.81]	<u>2.406</u> [61.11]		<u>0.441</u> [11.20]	<u>0.605</u> [15.37]		<u>0.230</u> [5.84]
78 F 78 S	2.635 [66.93]	2.064 [52.43]		2.406 [61.11]	<u>0.423</u> [10.74]		<u>0.605</u> [15.37]	<u>0.243</u> [6.17]	
104 M	2.729 [69.32]		2.212 [56.18]	2.500 [63.50]		<u>0.503</u> [12.78]	<u>0.668</u> [16.97]		<u>0.230</u> [5.84]
104 F 104 S	<u>2.729</u> [69.32]	<u>2.189</u> [55.60]		<u>2.500</u> [63.50]	<u>0.485</u> [12.32]		<u>0.668</u> [16.97]	<u>0.243</u> [6.17]	



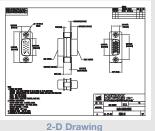
HIGH DENSITY **CONNECTOR SAVERS / GENDER CHANGERS**

ORDERING INFORMATION - CODE NUMBERING SYSTEM

Specify Complete Connector By Selecting An Option From Step 1 Through 9



format or a 3-dimensional IGES, STEP, or SOLIDWORKS file.





3-D Model

15, 26, 44, 62, 78, 104