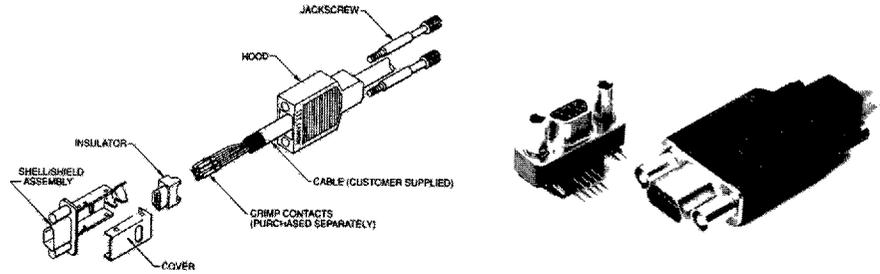


The MDSM is the industry's smallest D-type connector for shielded I/O wire-to-board applications.

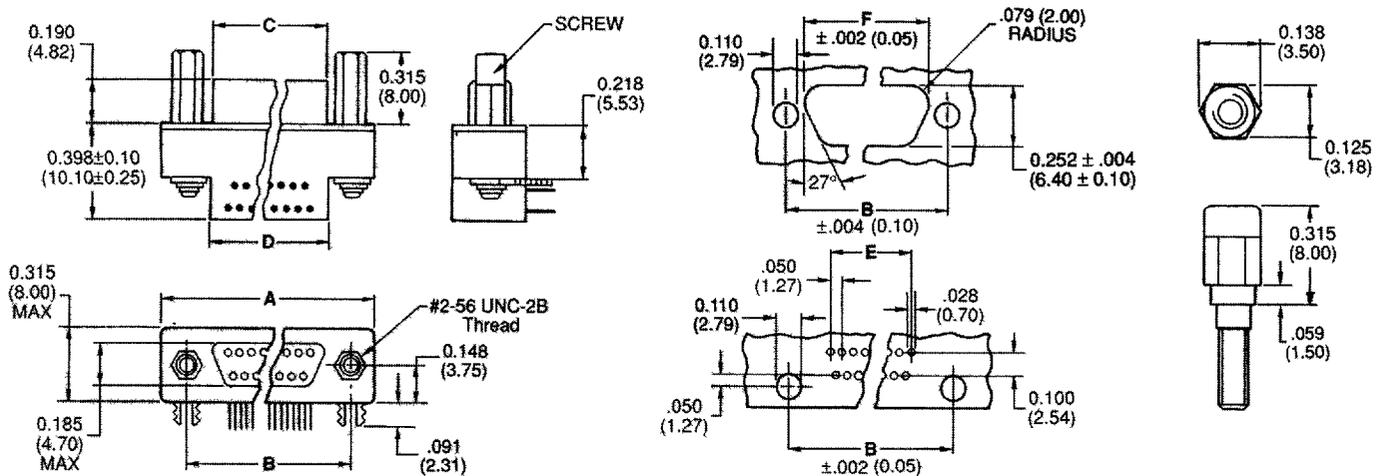
Featuring an integral snap-together shield can and stamped contacts, the MDSM is available in five layouts: 9, 15, and 25, and stacked 9 and 15.

- .050" pitch for space-saving applications
- Crimp contacts supplied on reels for fast hand or semi-automatic termination
- AWG 26–28 wire accommodation
- Cable connector supplied as a complete kit including shield, hood and jackscrews
- Integral boardlocks for fast PCB connector installation

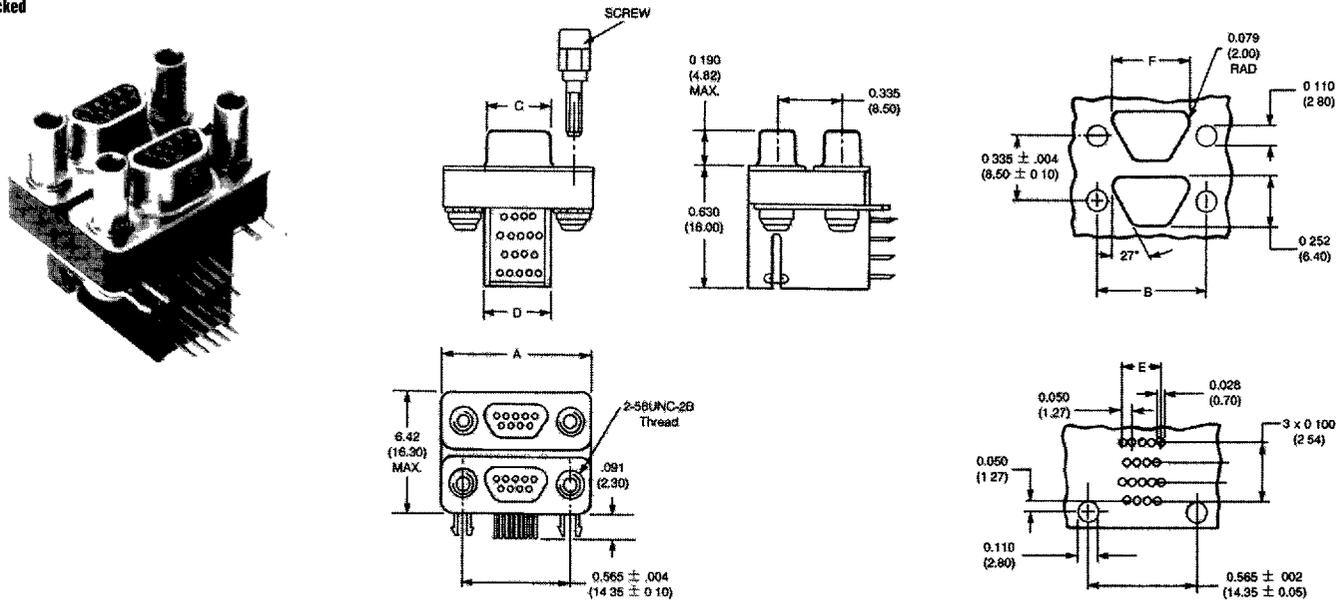


PCB Connector 90°

Single



Stacked



Part Numbers

Layout	Single		Stacked		A Max.	B	C Max.	D Max.	E	F
	Thumb Screw	Slide Latch	Thumb Screw	Slide Latch						
9/18	MDSM-9PE-Z10	MDSM-9PE-Z22	MDSM-18PE-Z10	MDSM-18PE-Z22	0.783 (19.90)	0.565 (14.35)	0.339 (8.60)	0.354 (9.00)	0.200 (5.08)	0.403 (10.24)
15/30	MDSM-15PE-Z10	MDSM-15PE-Z22	MDSM-30PE-Z10	MDSM-30PE-Z22	0.933 (23.70)	0.715 (18.16)	0.488 (12.40)	0.504 (12.80)	0.350 (8.89)	0.553 (14.05)
25	MDSM-25PE-Z10	MDSM-25PE-Z22	—	—	1.183 (30.05)	0.965 (24.50)	0.740 (18.80)	0.754 (19.15)	0.600 (15.24)	0.803 (20.40)

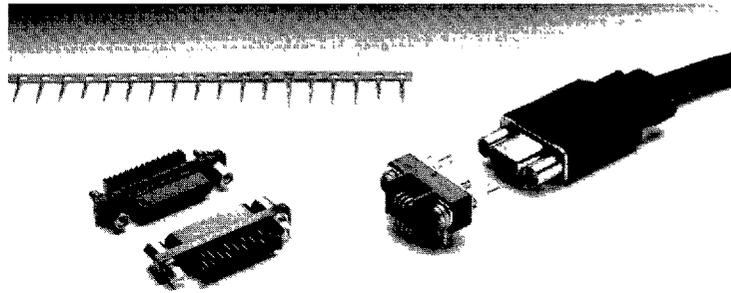
Highlighted part numbers indicate standard product; usually available with shorter lead times.

The Micro-D MDSM/MDS product line offers a half-pitch .050" solution to commercial applications in need of a microminiature D-type connector.

Requiring only one-third the space of conventional D Subminiature connectors, the Micro-D offers a choice of shielded wire-to-board (MDSM) or unshielded wire-to-wire (MDS).

Stamped crimp snap contacts are supplied on reels for fast hand or semi-automatic crimping. MDSM cable connector kits contain jackscrews, hoods and integral shield cans, eliminating the need for optional accessories or expensive overmolding.

MDSM printed circuit board connectors are supplied with snap-in boardlocks, simplifying assembly and providing a grounding path to the board.



When shielding is not required, the MDS all-plastic provides a convenient connector for internal cabling.

For MDSM/MDS assembly instructions, refer to Manual No. MY-1/190.

Performance and Material Specifications

MATERIALS AND FINISHES

Insulators:	Thermoplastic, UL 94V-0 rated
Contacts:	Copper alloy, plated gold over nickel, or Pd/Ni engaging end, tin/lead termination area
Hardware:	Copper Alloy, nickel-plated
Shield and cover:	Steel, tin plated
Hood:	Thermoplastic, UL 94V-0 rated
Backshells:	Thermoplastic, UL 94V-0 rated
Jackscrews:	Copper alloy, nickel-plated

ELECTRICAL DATA

Current Rating:	1A/25°C; .7A/70°C.
Voltage Rating:	350 V.A.C.
Contact Resistance:	20 milliohms max.
Insulation Resistance:	5000 megohms min.
Operating Temperature:	-55/ +125°C
Shielding Effectiveness: (MDSM only)	70 dB
U.L. File Number:	E8572

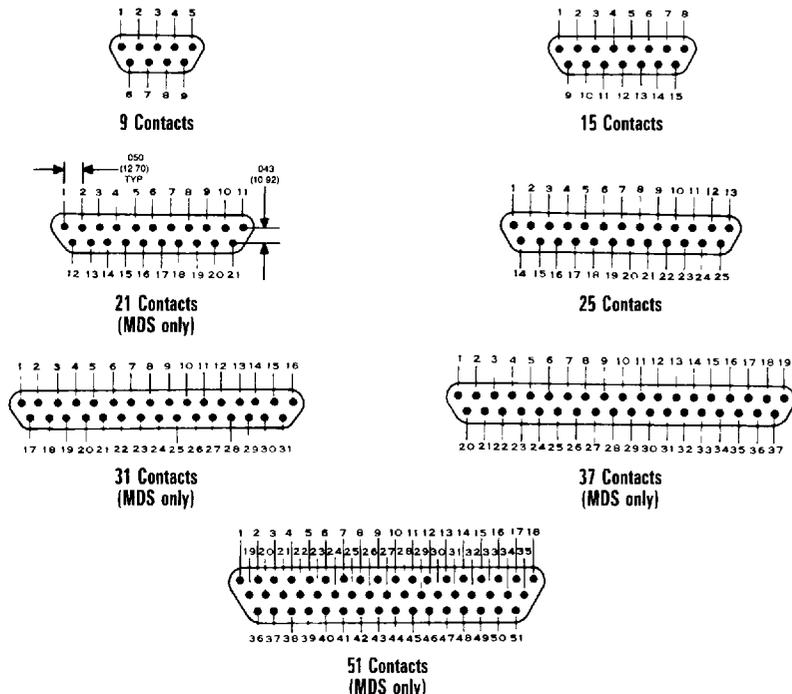
MECHANICAL CHARACTERISTICS

Wire Accommodation:	26-28 AWG
Contact Spacing:	.050"

Layouts

(Face View of Pin Insert – Use Reverse Order for Socket Side)

Standard



Micro D