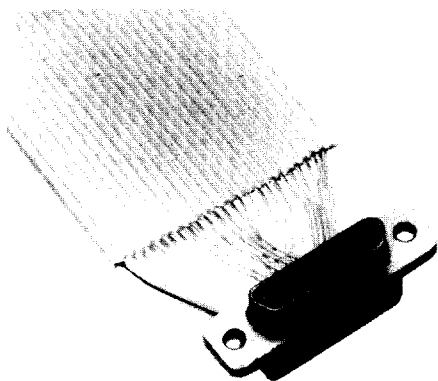




MDM connectors are used in applications requiring highly reliable, extremely small, lightweight connectors with higher density contact configurations than available in traditional rectangular connectors. They are available in 8 shell sizes accommodating from 9 to 100 contacts, and special arrangements of power and coaxial contacts.

These connectors are designed to meet the rapidly increasing demands for an environmental, high performance, rugged, moisture-sealed microminiature connector. This connector employs size 24 MICRO-

PIN™/MICROSOCKET™ contacts on .050(1.27) centers in a contact density identical to the standard MICRO-D connector series, but with these additional features:

- Aluminum shells to provide greater strength, prevent chipping, cracking or breaking, offer electromagnetic (EMI) and RFI shielding.
- Silicone elastomer compression interfacial seal to provide a moisture and humidity seal between each contact and between contacts and shell.

How to Order

MIL-C-83513 ordering information – pages 240 and 241

SERIES	MDM	-	51	P	H	001	P	-	XXX
CONTACT ARRANGEMENTS									
CONTACT TYPE									
TERMINATION TYPE									
TERMINATION CODE									
HARDWARE									
SHELL FINISH MOD CODES									

SERIES

MDM: Diallyl Phthalate Insulator Material
MDMV: Polyester Insulator Material

CONTACT ARRANGEMENTS

9-15-21-25-31-37-51-100 (standard)
7C2, 24C4, (coaxial) } or combination of
7P2, 24P4 (power) } coax and power

CONTACT TYPE

P – Pin
S – Socket

TERMINATION TYPE

H – Harness-insulated wire.
L – Solid-uninsulated wire.
S – Solder pot to accept #26 AWG MAX. harness wire. (Not available with power contact arrangements.)

TERMINATION CODE*

(H) 001 – 18", 7/34 strand, #26 AWG, MIL-W-16878/4, Type E Teflon, yellow.
(H) 003 – 18", 7/34 strand, #26 AWG, MIL-W-16878/4, Type E Teflon, color coded to MIL-STD-681 System I.
(L) 1 – 1/2" uninsulated solid #25 AWG gold plated copper.
(L) 2 – 1" uninsulated solid #25 AWG gold plated copper.

HARDWARE

M – Military specification hardware, see page 237.
P – Jackpost
K – Jackscrew—standard
L – Jackscrew—low profile

F – Float mount
B – No hardware standard
A – .125 (3.18) dia. mounting holes for sizes 9-51;
.120 (3.05) dia. hole for size 100.
B1 – .1475 (3.75) dia. hole for size 100 (Per MIL-C-83513)

SHELL FINISH MOD CODES**

No
Number – Standard Cadmium/yellow chromate
A174 – Electroless nickel
A172 – Gold over nickel
A141 – Irridite/alodine
A30 – Black anodize

*See Termination Codes page 233 for additional length Modification Codes.

**For other modifications not listed, consult the factory.

Performance and Material Specifications

STANDARD MATERIALS AND FINISHES

Shell	– Aluminum alloy per QQ-A-200/8 (6061-T6), yellow chromate/cadmium per QQ-P-416, Type II, class 3.
Insulator	– Glass-filled diallyl phthalate per MIL-M-14, Type SDGF, or polyester per MIL-M-24519, Type GPT-30F
Contacts	– Copper alloy, gold plate
Mounting Hardware	– 300 Series stainless steel, passivate
Kit, Jackpost (3) Items	– 300 Series stainless steel, passivate
Washer	– 400 Series stainless steel, passivate
Standard Epoxy	– Hysol EE4198 with HD3561 hardener, color green or EE4215 with HD3561, color black

MECHANICAL FEATURES

Coupling	– Friction/jackscrews
Polarization	– Keystone-shaped shells
Contact Spacing Centers	– .050 (1.27)
Shell Styles	– Plug and receptacle
No. of Contacts	– 9 thru 100 standard; 5 signal/2 coaxial; 5 signal/2 power; 20 signal/4 coaxial; 20 signal/4 power
Coaxial Cable	– RG-178/U
Wire Size	– #24 thru #32 AWG
Contact Termination	– Multiple indent crimp

ELECTRICAL DATA – page 231

ITT Cannon

Dimensions are shown in inches (millimeters).
Dimensions subject to change.

For technical assistance, price or delivery information, call your local technical sales office or distributor.

Standard Wire Termination Codes

Cannon Modification Code (Not MS)

The following termination codes are listed for your information. For lengths not shown, consult factory for proper modification code. All wire lengths are minimum.

Harness Type (H)
#26 AWG per MIL-W-16878/4, 7/34 strand, type E Teflon, stranded.

Length	All Yellow	Color Coded*
3 (76.2)	H020	H027
6 (152.4)	H019	H016
8 (203.2)	H026	H034
10 (254.0)	H029	H025
12 (304.8)	H028	H002
18 (457.2)	H001	H003
20 (508.0)	H038	H023
24 (609.6)	H009	H004
30 (762.0)	H010	H005
36 (914.4)	H011	H006
48 (1219.2)	H013	H048
72 (1828.8)	H017	H046
120 (3048.0)	H042	H041

*Cavity #1 black

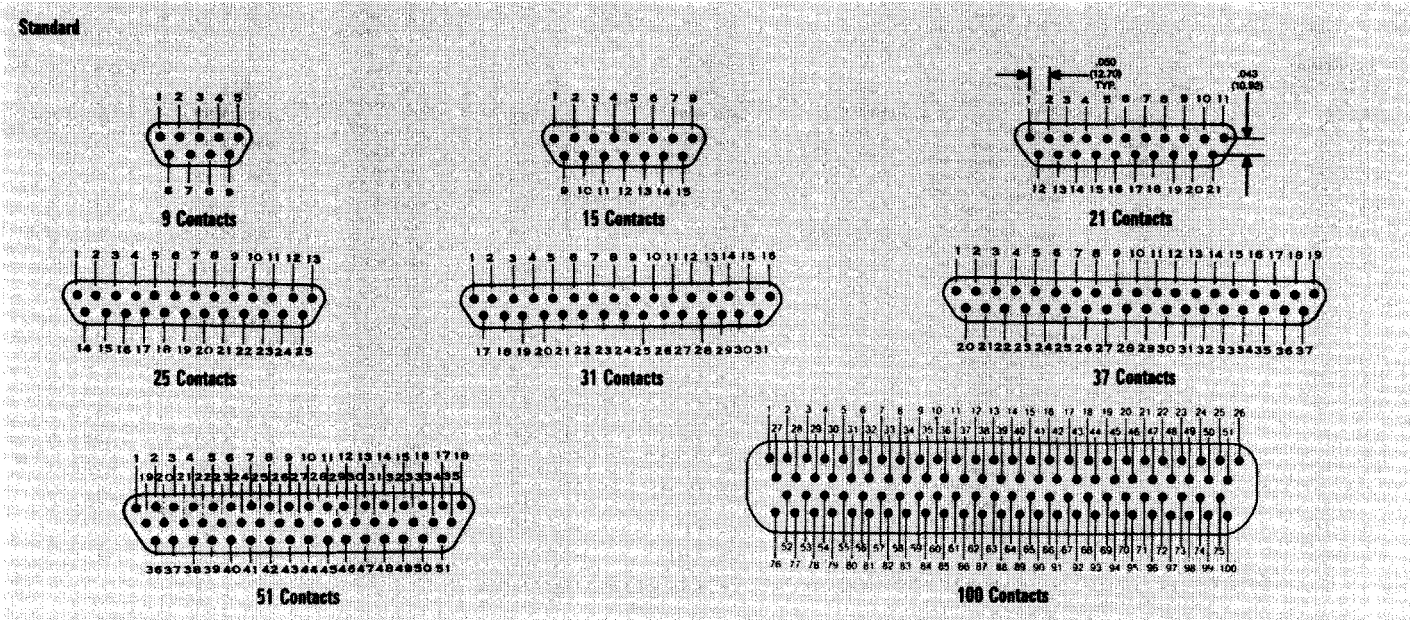
Solid Uninsulated Type (L)
#25 AWG gold plated copper.

Termination Code	Length
L61	.125 (3.18)
L56	.150 (3.81)
L57	.190 (4.83)
L39	.250 (6.35)
L58	.375 (9.52)
L1	.500 (12.70)
L14	.750 (19.05)
L2	1.000 (25.40)
L7	1.500 (38.10)
L6	2.000 (50.80)
L16	2.500 (63.50)
L10	3.000 (76.20)

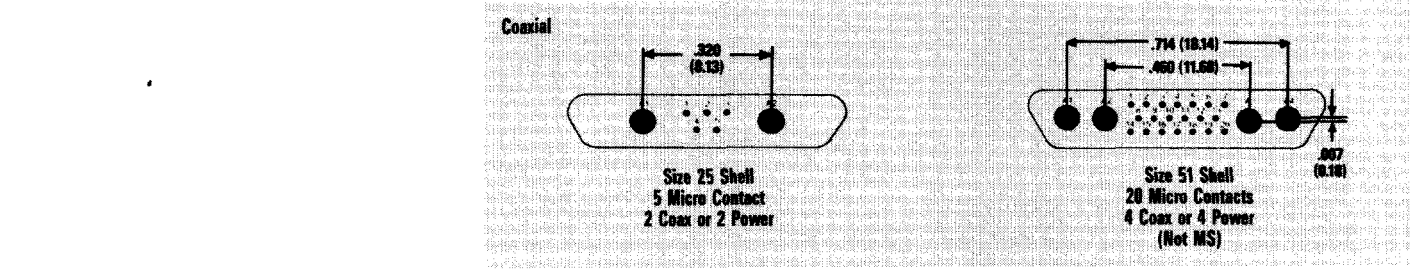
Millimeters are in parentheses.

Contact Arrangements

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

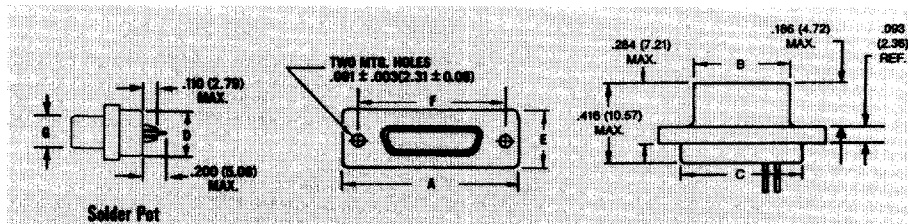
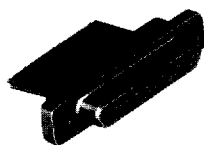


Contact identification numbers are for reference only and do not appear on insulator or connector body.

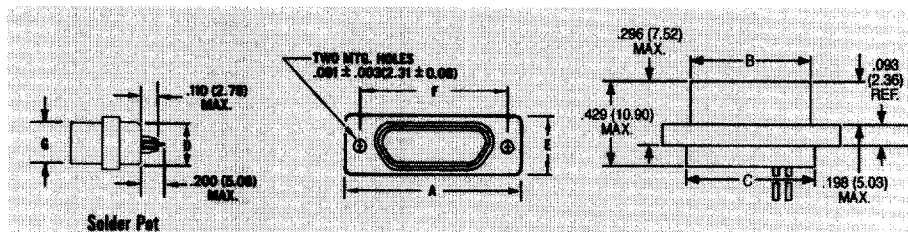
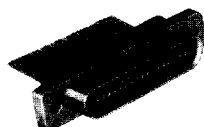


Shell Dimensions (Conforms to MIL-C-83513)

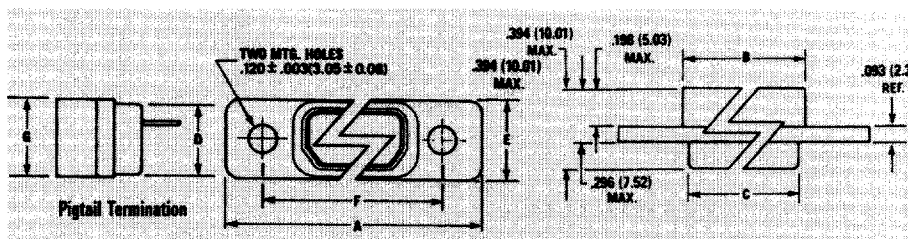
Plug



Receptacle



Receptacle (MDM-100 only)

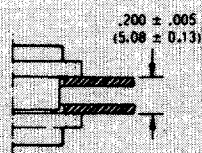
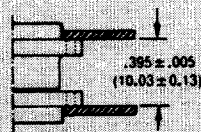
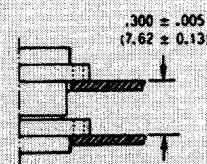


Part Number By Shell Size	A Max.	B Max.	C Max.	D Max.	E Max.	F ±.005 (0.13)	G Max.	Average Weights** oz. (gm.) ±5%
MDM-9P*	.785 (19.94)	.334 (8.48)	.400 (10.16)	.270 (6.86)	.308 (7.82)	.565 (14.35)	.185 (4.70)	.063 (1.79)
MDM-9S*	.785 (19.94)	.402 (10.21)	.400 (10.16)	.270 (6.86)	.308 (7.82)	.565 (14.35)	.253 (6.43)	.063 (1.79)
MDM-15P*	.935 (23.75)	.484 (12.29)	.550 (13.97)	.270 (6.86)	.308 (7.82)	.715 (18.16)	.185 (4.70)	.084 (2.39)
MDM-15S*	.935 (23.75)	.552 (13.97)	.550 (14.02)	.270 (6.86)	.308 (7.82)	.715 (18.16)	.253 (6.43)	.083 (2.37)
MDM-21P*	1.085 (27.56)	.634 (16.10)	.700 (17.78)	.270 (6.86)	.308 (7.82)	.865 (21.97)	.185 (4.70)	.105 (2.99)
MDM-21S*	1.085 (27.56)	.702 (17.83)	.700 (17.78)	.270 (6.86)	.308 (7.82)	.865 (21.97)	.253 (6.43)	.104 (2.97)
MDM-25P*	1.185 (30.10)	.734 (18.64)	.800 (20.32)	.270 (6.86)	.308 (7.82)	.965 (24.51)	.185 (4.70)	.119 (3.39)
MDM-25S*	1.185 (30.10)	.802 (20.37)	.800 (20.32)	.270 (6.86)	.308 (7.82)	.965 (24.51)	.253 (6.43)	.118 (3.36)
MDM-31P*	1.335 (33.91)	.884 (22.45)	.950 (24.13)	.270 (6.86)	.308 (7.83)	1.115 (28.32)	.185 (4.70)	.140 (3.99)
MDM-31S*	1.335 (33.91)	.952 (24.18)	.950 (24.13)	.270 (6.86)	.308 (7.83)	1.115 (28.32)	.253 (6.43)	.139 (3.96)
MDM-37P*	1.485 (37.72)	1.034 (26.26)	1.100 (27.94)	.270 (6.86)	.308 (7.82)	1.265 (32.13)	.185 (4.70)	.161 (4.59)
MDM-37S*	1.485 (37.72)	1.102 (27.99)	1.100 (27.94)	.270 (6.86)	.308 (7.82)	1.265 (32.13)	.253 (6.43)	.160 (4.56)
MDM-51P*	1.435 (36.45)	.984 (24.99)	1.050 (26.67)	.310 (7.87)	.351 (8.92)	1.215 (30.86)	.228 (5.79)	.193 (5.50)
MDM-51S*	1.435 (36.45)	1.052 (26.72)	1.050 (26.67)	.310 (7.87)	.351 (8.92)	1.215 (30.86)	.296 (7.52)	.188 (5.35)
MDM-100P*	2.170 (55.12)	1.384 (35.15)	1.442 (36.63)	.360 (9.14)	.394 (10.01)	1.800 (45.72)	.271 (6.88)	.500 (14.3)
MDM-100S*	2.170 (55.12)	1.508 (38.10)	1.442 (36.63)	.360 (9.14)	.394 (10.01)	1.800 (45.72)	.394 (10.01)	1.040 (29.5)

*Add lead type and length; see How To Order.

**Weight given is 1/2", uninsulated, solid, #25 AWG gold plated copper pigtails.

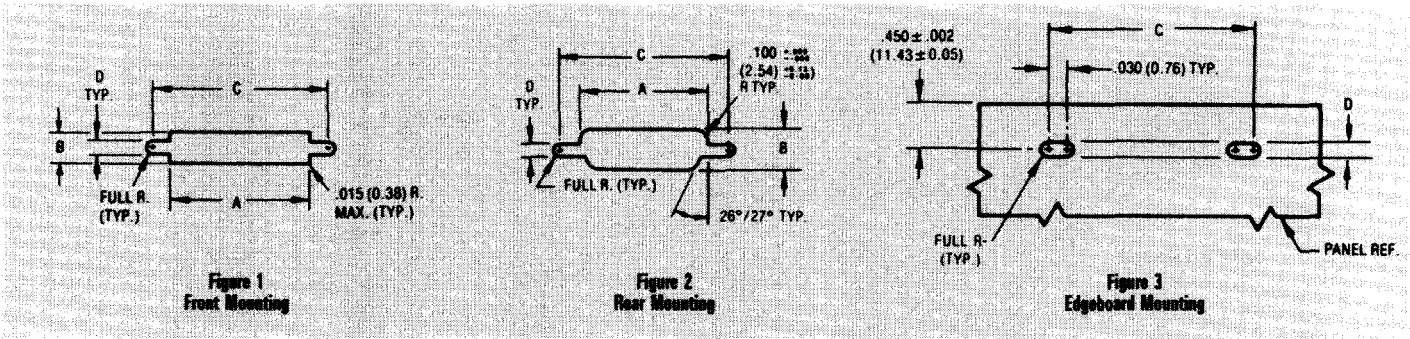
Panel Mounting Dimensions (Sizes 9 – 100)

Plug and Receptacle
Rear MountedPlug and Receptacle
Front MountedPlug Front Mounted
Receptacle Rear Mounted

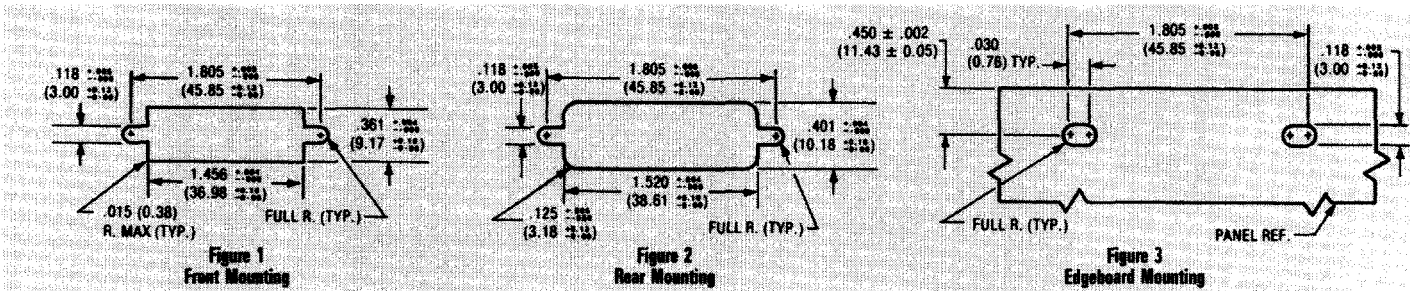
Panel Cutouts

NOTE: See page 237 for rear panel mounting configuration.

Shell Sizes 9 thru 51



Shell Size 100



For 9-51 Shell Sizes

- NOTES:
1. Front mounting (figure 1) and rear mounting (figure 2) accommodates #2-56 screws.
 2. Front mounting is preferred. However, when rear mounting is necessary, use figure 2 dimensions when jackscrews are used. See detail on page 24 when jackposts are used.
 3. Edgeboard mounting bracket (figure 3) uses #2-56 screws. Dimension .450 ± .002 (11.43 ± 0.05) locates the MDM receptacle flush with the end of the board.

For 100 Shell Size

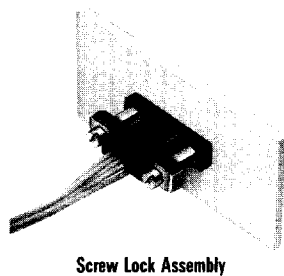
- NOTES:
1. Front mounting (figure 1) and rear mounting (figure 2) accommodates #4-40 screws.
 2. Edgeboard mounting bracket (figure 3) uses #4-40 screws. Dimension .450 ± .002 (11.43 ± 0.05) locates the MDM receptacle flush with the end of the board.
 3. Front mounting is preferred. However, when rear mounting is necessary, use figure 2 dimensions.

Shell Size	Cutout Figure	A +.004 (0.10) -.000 (0.00)	B +.004 (0.10) -.000 (0.00)	C +.005 (0.13) -.000 (0.00)	D +.005 (0.13) -.000 (0.00)
9	1	.408 (10.36)	.271 (6.88)	.570 (14.48)	.089 (2.26)
	2	.401 (10.19)	.252 (6.40)	.570 (14.48)	.089 (2.26)
	3	-	-	.570 (14.48)	.089 (2.26)
15	1	.558 (14.17)	.271 (6.88)	.720 (18.29)	.089 (2.26)
	2	.551 (14.00)	.252 (6.40)	.670 (18.29)	.089 (2.26)
	3	-	-	.720 (18.29)	.089 (2.26)
21	1	.708 (17.98)	.271 (6.88)	.870 (22.10)	.089 (2.26)
	2	.701 (17.81)	.252 (6.40)	.870 (22.10)	.089 (2.26)
	3	-	-	.870 (22.10)	.089 (2.26)
25	1	.808 (20.52)	.271 (6.88)	.970 (24.64)	.089 (2.26)
	2	.801 (20.34)	.252 (6.40)	.970 (24.64)	.089 (2.26)
	3	-	-	.970 (24.64)	.089 (2.26)
31	1	.958 (24.33)	.271 (6.88)	1.120 (28.45)	.089 (2.26)
	2	.951 (24.16)	.252 (6.40)	1.120 (28.45)	.089 (2.26)
	3	-	-	1.120 (28.45)	.089 (2.26)
37	1	1.108 (28.14)	.271 (6.88)	1.270 (32.26)	.089 (2.26)
	2	1.101 (27.97)	.252 (6.40)	1.270 (32.26)	.089 (2.26)
	3	-	-	1.270 (32.26)	.089 (2.26)
51	1	1.058 (26.87)	.315 (8.00)	1.220 (30.99)	.089 (2.26)
	2	1.051 (26.70)	.295 (7.49)	1.220 (30.99)	.089 (2.26)
	3	-	-	1.220 (30.99)	.089 (2.26)

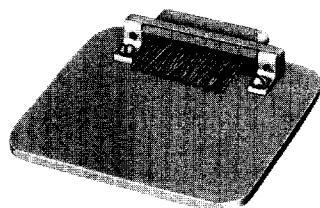
Microminiature Connectors

Mounting Hardware Views (for sizes 9 – 51)

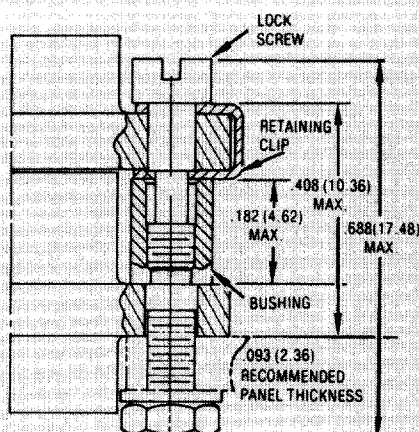
This hardware supplied unassembled.



Screw Lock Assembly

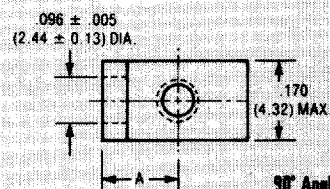


90° Angle Mounting Bracket

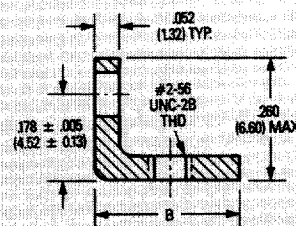
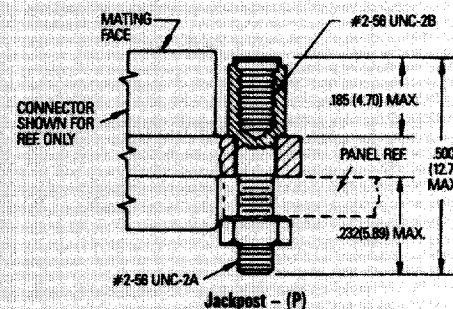


Screw Lock Assembly*

*NOTE: Torque value is 2.5 in/lbs max.



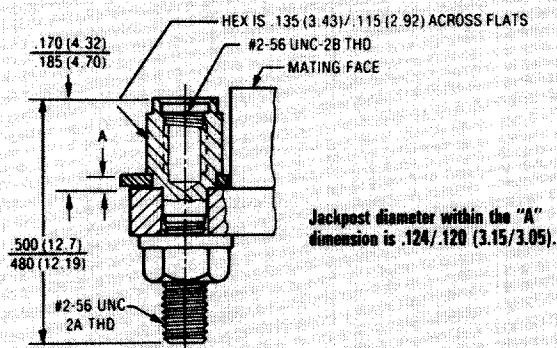
90° Angle Mounting Bracket



Description	Part Number	A ±.005 (±0.13)	B Max.
Screw Lock Assembly	322-9500-000		N/A
Jackpost Kit	320-9505-000		N/A
Mounting Bracket 90° MDM for 9 thru 37 Shell Sizes	015-9516-002	.147 (3.73)	.308 (7.82)
Mounting Bracket 90° MDM for 51 Shell Size	015-9516-003	.169 (4.29)	.350 (8.89)

NOTES: Screw lock assembly (322-9500-000) can be used for front mounting only. Jackpost kit (320-9505-000) consists of two assemblies, shipped unassembled.

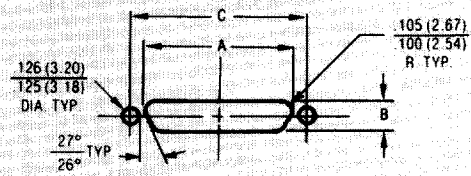
Jackpost Bushing (for rear panel mounting-for sizes 9 – 51)



Jackpost diameter within the "A" dimension is .124/.120 (3.15/3.05).

Panel A Thickness	A +.005 (0.13) -.000 (0.00)	Jackpost Kit Number*
3/32 (2.4)	.087 (2.21)	320-9505-007
1/16 (1.6)	.056 (1.42)	320-9505-006
3/64 (1.2)	.042 (1.07)	320-9505-005
1/32 (0.8)	.025 (0.64)	320-9505-004

*A kit consists of 2 jackposts, 2 nuts, 2 washers.

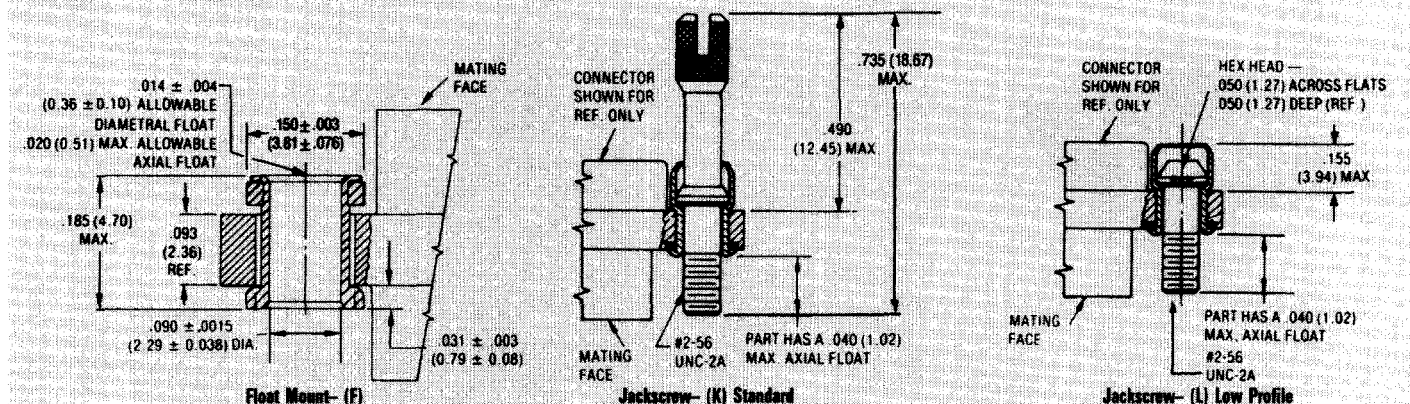


Plug and Receptacle Dimensions

Shell Size	A +.004 (0.10) -.000 (0.00)	B +.004 (0.10) -.000 (0.00)	C ±.005 (0.13)
9	.401 (10.19)	.252 (6.40)	.565 (14.35)
15	.551 (14.00)	.252 (6.40)	.715 (18.16)
21	.701 (17.81)	.252 (6.40)	.865 (21.97)
25	.801 (20.34)	.252 (6.40)	.965 (24.51)
31	.951 (24.16)	.252 (6.40)	1.115 (28.34)
37	1.101 (27.97)	.252 (6.40)	1.265 (32.13)
51	1.051 (26.70)	.295 (7.49)	1.215 (30.86)

Mounting Hardware Views (sizes 9 – 51)

This hardware is factory installed.



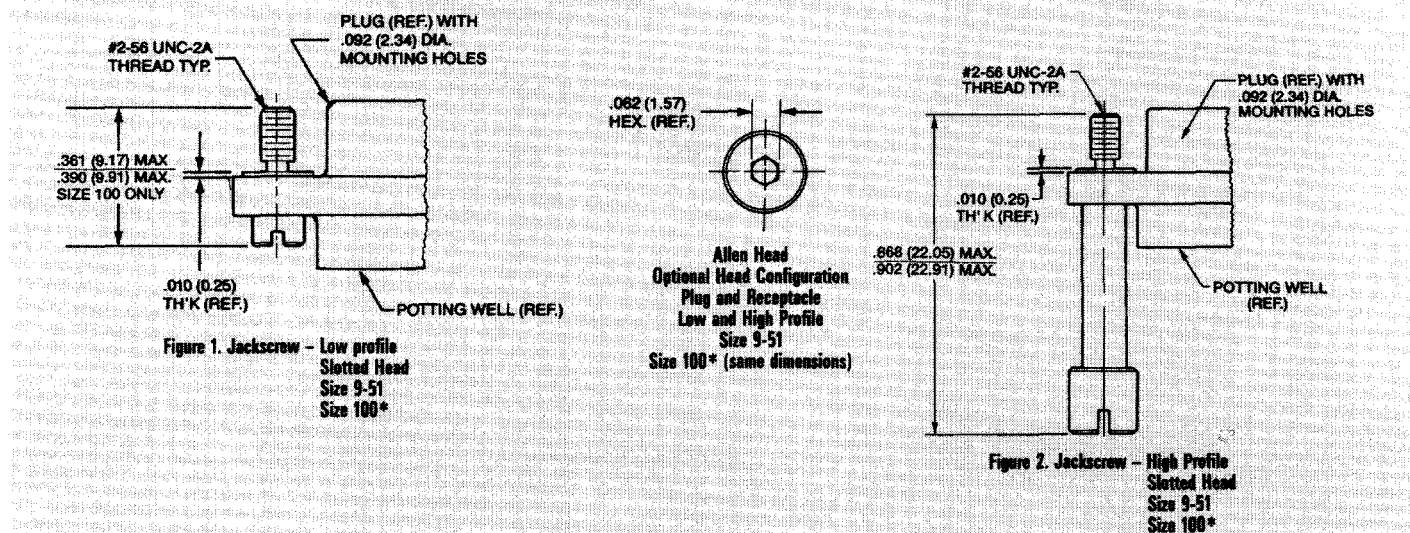
Shown here is a cutaway view of the float mount for the MD connector. The basic shell dimensions are the same for the float mount and the screw mounting hole configurations. View shown is for standard float mount front panel mounting. Reverse mounting is available on request.

*NOTE: Torque values are as follows:
 Low Profile Jackscrew (L)—2.5 in/lbs
 Standard Jackscrew (K)—2.5 in/lbs

Repair kit available—consult factory.

Mounting Hardware to Military Specification (for sizes 9 – 100) per MIL-C-83513/5

This hardware supplied in kits unassembled (2 pieces of each item).



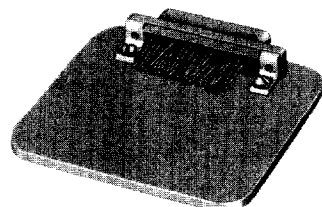
To order hardware kits separately, order either by M83513/5-** or by 320-950X-XXX.

Description	Size 9-51	**	Size 100*	**
	Mod Code Part Number		Mod Code Part Number	
Slotted Head Jackscrew Assy Low Profile (Figure 1)	M5 320-9508-025	05	M15 320-9508-021	15
Slotted Head Jackscrew Assy High Profile (Figure 2)	M6 320-9508-027	06	M16 320-9508-023	16
Allen Head Jackscrew Assy Low Profile (Figure 1)	M2 320-9508-026	02	M12 320-9508-022	12
Allen Head Jackscrew Assy High Profile (Figure 2)	M3 320-9508-028	03	M13 320-9508-024	13
Jackpost Assy (Figure 3)	M7 320-9505-033	07	M17 320-9505-030	17

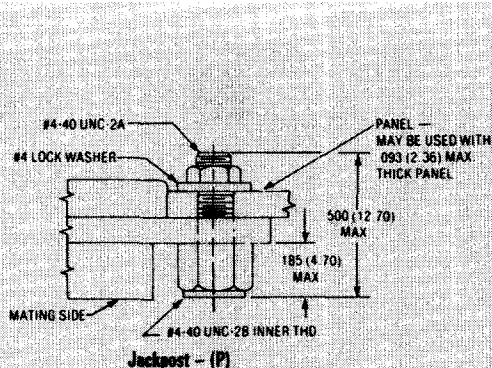
*Size 100 requires B1 size mounting holes.

Mounting Hardware Views (for size 100)

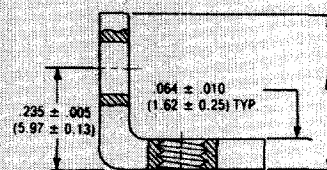
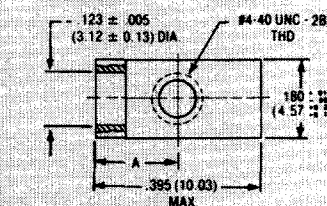
This hardware supplied unassembled.



90° Angle Mounting Bracket



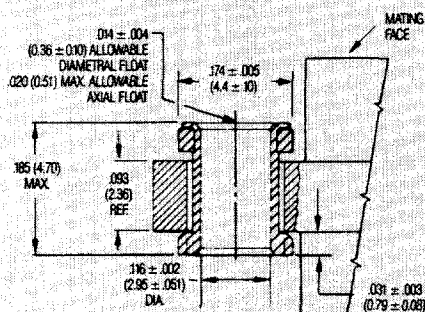
Jackpost – (P)



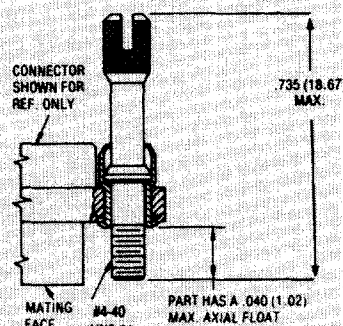
90° Angle Mounting Bracket

Description	Part Number	A ±.005 (0.13)	B Max.
Jackpost Kit	320-9505-015	N/A	
Mounting Bracket 90° MDM	015-9528-000	.191 (4.85)	.370 (9.40)

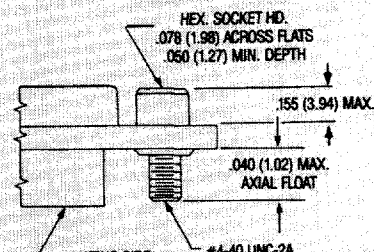
This hardware is factory installed.



Float Mounting – (F) Std.



Jackscrew – (K) Slotted Head



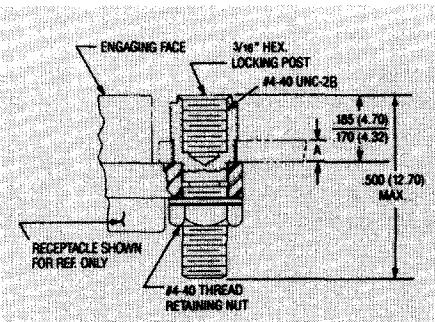
Jackscrew – (L) Low Profile

*NOTE: Torque values are as follows:
Low Profile Jackscrew (L)–4.0 in/lbs
Standard Jackscrew (K)–4.0 in/lbs

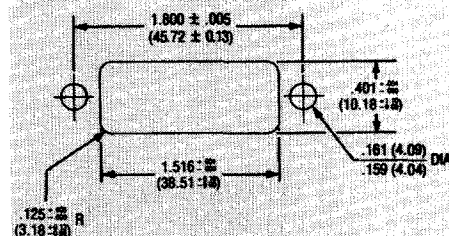
Jackpost Bushing (for Rear Panel Mounting)

Panel Thickness	A +.005 (0.13) -.000 (0.00)	Jackpost Kit Number*
3/32 (2.4)	.087 (2.21)	320-9505-013
1/16 (1.6)	.058 (1.42)	320-9505-012
1/32 (0.8)	.025 (0.64)	320-9505-010
3/64 (1.2)	.042 (1.07)	320-9505-011

*2 jackposts, 2 nuts, 2 washers



Dimensions for Rear Panel Mounting

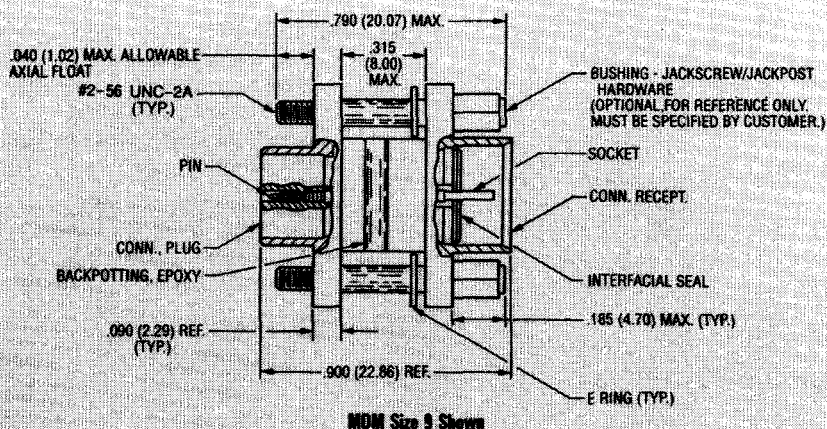
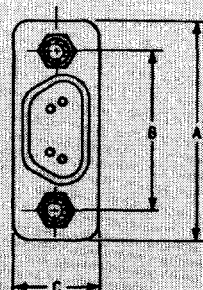


Connector Saver

Save wear and tear on your equipment and systems connectors by using the "Connector Saver."

The multi-matings and unmatings experienced by most connectors during testing and final check out can be eliminated.

Simply mate the "Connector Saver" to your unit and use the opposite side for your testing interface . . . less wear, less tear, less chance of damage. It is available in all seven standard MDM layouts. Mating hardware is available and can be ordered either separately or included with the connector saver.



Size	A174 Electroless Nickel		Cadmium Plated		*Hardware Kits	A Max.	B ±.005 (0.13)	C Max.
	With Hardware	W/O Hardware	With Hardware	W/O Hardware				
9	MDM98479-86	MDM98479-18	MDM98479-78	MDM-97294-371	320-9505-014**	.785 (19.94)	.565 (14.35)	.308 (7.82)
15	MDM98479-87	MDM98479-19	MDM98479-79	MDM-97294-372	320-9505-014**	.935 (23.75)	.715 (18.16)	.308 (7.82)
21	MDM98479-88	MDM98479-20	MDM98479-80	MDM-97294-373	320-9505-014**	1.085 (27.56)	.865 (21.97)	.308 (7.82)
25	MDM98479-89	MDM98479-21	MDM98479-81	MDM-97294-374	320-9505-014**	1.185 (30.10)	.965 (24.51)	.308 (7.82)
31	MDM98479-90	MDM98479-14	MDM98479-82	MDM-97294-375	320-9505-014**	1.335 (33.91)	1.115 (28.32)	.308 (7.82)
37	MDM98479-91	MDM98479-15	MDM98479-83	MDM-97294-376	320-9505-014**	1.485 (37.72)	1.265 (32.13)	.308 (7.82)
51	MDM98479-92	MDM98479-16	MDM98479-84	MDM-97294-377	320-9505-014**	1.435 (36.45)	1.215 (30.86)	.351 (8.91)
100	MDM98479-93	MDM98479-17	MDM98479-85	MDM-97294-717	320-9508-014***	2.170 (55.12)	1.800 (45.72)	.394 (10.01)

* Kit contains 2 bushings-jackpost/jackscrew and 2 E rings.

** Size 9-51-#2-56 UNC2B Thread

*** Size 100-#4-40 UNC2B Thread

How to Order – ITT Cannon Part Number Nomenclature to MIL-C-83513

MD** 01 - H100 - ** ****

ITT CANNON SERIES

- MDM – Metal Shell, Diallyl Phthalate Insulator
 MDMV – Metal Shell, Polyester Insulator
 MDB – Diallyl Phthalate Insulator
 MDVB – Polyester Insulator

MIL-C-83513 SLASH SHEET

- 01 – Plug, Connector, Solderpot
 02 – Receptacle, Connector, Solderpot
 03 – Plug, Connector, Crimp Type } Metal Shell
 04 – Receptacle, Connector, Crimp Type
 05 – Hardware Only 
 06 – Plug, Connector, Solderpot
 07 – Receptacle, Connector, Solderpot } Plastic 
 08 – Plug, Connector, Crimp Type
 09 – Receptacle, Connector, Crimp Type

INSERT ARRANGEMENT

	METAL SHELL	PLASTIC
A9 –	9 Contact	9 Contact
B15 –	15 Contact	15 Contact
C21 –	21 Contact	21 Contact
D25 –	25 Contact	25 Contact
E31 –	31 Contact	31 Contact
F37 –	37 Contact	37 Contact
G51 –	51 Contact	51 Contact
H100 –	100 Contact	

WIRE TYPE

- No Number – For Solderpot
 01 – 18" long, #26 AWG per MIL-W-22759/11-26-9
 02 – 36" long, #26 AWG per MIL-W-22759/11-26-9
 03 – 18" long, #26 AWG per MIL-W-22759/11-26
 Color Coded per MIL-STD-681, System 1 
 04 – 36" long, #26 AWG per MIL-W-22759/11-26
 Color Coded per MIL-STD-681, System 1 
 05 – .5" long, #25 AWG, type S per QQ-W-343,
 Gold Plated
 06 – 1.0" long, #25 AWG, type S per QQ-W-343,
 Gold Plated
 07 – .5" long, #25 AWG, type S per QQ-W-343,
 Tin Plated
 08 – 1.0" long, #25 AWG, type S per QQ-W-343,
 Tin Plated
 09 – 18" long, #26 AWG per MIL-W-22759/33-26-9 
 10 – 36" long, #26 AWG per MIL-W-22759/33-26-9 
 11 – 18" long, #26 AWG per MIL-W-22759/33-26
 Color Coded per MIL-STD-681, System 1 
 12 – 36" long, #26 AWG per MIL-W-22759/33-26
 Color Coded per MIL-STD-681, System 1 
 13 – 72" long, #26 AWG per MIL-W-22759/11-26-9
 14 – 72" long, #26 AWG per MIL-W-22759/11-26
 Color Coded per MIL-STD-681, System 1 
 15 – 72" long, #26 AWG per MIL-W-22759/33-26-9 
 16 – 72" long, #26 AWG per MIL-W-22759/33-26
 Color Coded per MIL-STD-681, System 1 

NOTES:

(Specify when ordering, if necessary.)

-  - For every Mil-Spec P/N, ITT has two corresponding part numbers.
 Example: ITT P/N's MDM01-A9 (Diallyl Phthalate Insulator)
 MDMV01-A9 (Polyester Insulator)
 2 - Tolerance on wire lengths – 18", 36" and 72" long,
 +1.000"/–0.000"
 .5" and 1.00" +.200"/–.000"
 - For space application, connector shell finish must be "A174"
 and wire must be per MIL-W-22759/33-26.
 4 - Any deviations to these P/N's will result in assignment of a special
 P/N, consult factory.
 - No size 100 in plastic type connector.
 - Color coding in accordance with MIL-STD-681, System 1 except the
 appropriate color code is the individual contact cavity number minus
 1 for contact positions.
 - For mounting hardware to Military Specification (sizes 9 to 100) see
 page 238.

SHELL FINISH

- No number – for Plastic type connector
 No number – for Cadmium
 A174 – Electroless Nickel 

Qualification to slash sheets 10 thru 27 for the PCB connectors will be announced when completed.

ITT Cannon

For technical assistance, price or delivery information, call your local technical sales office or distributor.

How to Order – MIL-C-83513 Part Number Nomenclature

	M83513 /	01 -	A	**	C
SERIES _____					
Connector, Electrical, Rectangular Microminiature, Polarized Shell					
MIL-C-83513 SLASH SHEET _____					
01 – Plug, Connector, Solderpot					
02 – Receptacle, Connector, Solderpot					
03 – Plug, Connector, Crimp Type					
04 – Receptacle, Connector, Crimp Type					
05 – Hardware only 					
06 – Plug, Connector, Solderpot					
07 – Receptacle, Connector, Solderpot					
08 – Plug, Connector, Crimp Type					
09 – Receptacle, Connector, Crimp Type					
INSERT ARRANGEMENT _____					
<u>METAL SHELL</u>		<u>PLASTIC</u>			
A – 9 Contact		9 Contact			
B – 15 Contact		15 Contact			
C – 21 Contact		21 Contact			
D – 25 Contact		25 Contact			
E – 31 Contact		31 Contact			
F – 37 Contact		37 Contact			
G – 51 Contact		51 Contact			
H – 100 Contact		_____ 			
WIRE TYPE _____					
No Number – For Solderpot					
01 – 18" long, #26 AWG per MIL-W-22759/11-26-9					
02 – 36" long, #26 AWG per MIL-W-22759/11-26-9					
03 – 18" long, #26 AWG per MIL-W-22759/11-26-9					
04 – 36" long, #26 AWG per MIL-W-22759/11-26-9					
05 – .5" long, #25 AWG, type S per QQ-W-343, Gold Plated					
06 – 1.0" long, #25 AWG, type S per QQ-W-343, Gold Plated					
07 – .5" long, #25 AWG, type S per QQ-W-343, Tin Plated					
08 – 1.0" long, #25 AWG, type S per QQ-W-343, Tin Plated					
09 – 18" long, #26 AWG per MIL-W-22759/33-26-9					
10 – 36" long, #26 AWG per MIL-W-22759/33-26-9					
11 – 18" long, #26 AWG per MIL-W-22759/33-26-9					
12 – 36" long, #26 AWG per MIL-W-22759/33-26-9					
13 – 72" long, #26 AWG per MIL-W-22759/11-26-9					
14 – 72" long, #26 AWG per MIL-W-22759/11-26-9					
15 – 72" long, #26 AWG per MIL-W-22759/33-26-9					
16 – 72" long, #26 AWG per MIL-W-22759/33-26-9					
NOTES: (Specify when ordering, if necessary.)					
 - For every Mil-Spec P/N, ITT has two corresponding part numbers. Example: ITT P/N's MDM01-A9 (Diallyl Phthalate Insulator) MDMV01-A9 (Polyester Insulator)					
2 - Tolerance on wire lengths – 18", 36" and 72" long, +1.000" / -0.000" .5" and 1.00" +.200" / -.000"					
 - For space application, connector shell finish must be "N" and wire must be per MIL-W-22759/33-26.					
4 - Any deviations to these P/N's will result in assignment of a special P/N, consult factory.					
 - No size 100 in plastic type connector.					
 - Color coding in accordance with MIL-STD-681, System 1 except the appropriate color code is the individual contact cavity number minus 1 for contact positions.					
 - For mounting hardware to Military Specification (sizes 9 to 100) see page 238.					
SHELL FINISH _____					
No letter – for Plastic type connector					
C – Cadmium					
N – Electroless Nickel 					

Microminiature Connectors

Qualification to slash sheets 10 thru 27 for the PCB connectors will be announced when completed.