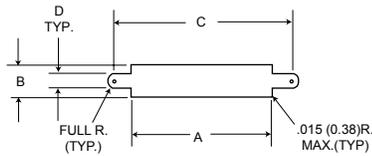


# Micro-D Metal Shell - .050" Contact Spacing

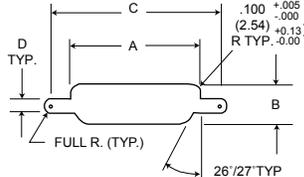
MDM

## Panel Cutouts

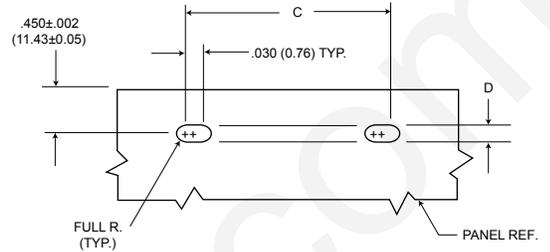
Shell Sizes 9 thru 69



**Figure 1**  
Front Mounting

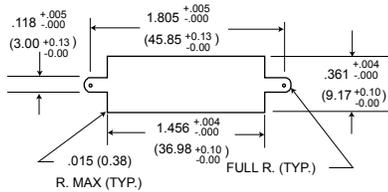


**Figure 2**  
Rear Mounting

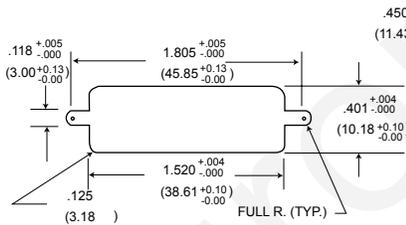


**Figure 3**  
Edgeboard Mounting

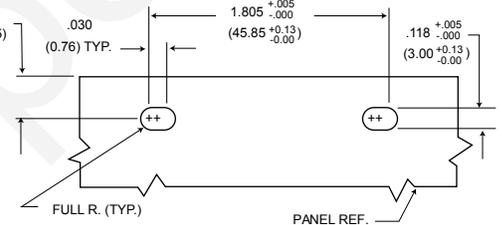
Shell Size 100



**Figure 1**  
Front Mounting



**Figure 2**  
Rear Mounting



**Figure 3**  
Edgeboard Mounting

For 9-69 Shell Sizes

NOTES:

1. Front panel mounting is the preferred mounting method. Front panel mounting dimensions (figure 1) will accommodate either #2-56 screws or jackpost hardware.
2. Rear panel mount dimensions (figure 2) will accommodate #2-56 screw hardware only. When mounting the connector with rear panel mount jackpost see the panel cut-out dimensions.
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 is the preferred mounting method. Front panel mounting dimensions (figure 1) will accommodate either #4-40 screws or jackpost hardware.
2. Rear panel mount dimensions (figure 2) will accommodate #4-40 screw hardware only see the panel cut-out dimensions.
3. 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.

Shell Size	Cutout Figure	A +.004 -.000	B +.004 -.000	C +.005 -.000	D +.005 -.000
9	1	.408	.271	.570	.089
	2	.401	.252	.570	.089
	3	-	-	.570	.089
15	1	.558	.271	.720	.089
	2	.551	.252	.720	.089
	3	-	-	.720	.089
21	1	.708	.271	.870	.089
	2	.701	.252	.870	.089
	3	-	-	.870	.089
25	1	.808	.271	.970	.089
	2	.801	.252	.970	.089
	3	-	-	.970	.089
31	1	.958	.271	1.120	.089
	2	.951	.252	1.120	.089
	3	-	-	1.120	.089
37	1	1.108	.271	1.270	.089
	2	1.101	.248	1.270	.089
	3	-	-	1.270	.089
51	1	1.058	.315	1.220	.089
	2	1.051	.295	1.220	.089
	3	-	-	1.220	.089
69	1	1.348	0.315	1.52	.089
	2	1.341	0.308	1.52	.089
	3	-	-	1.52	.089

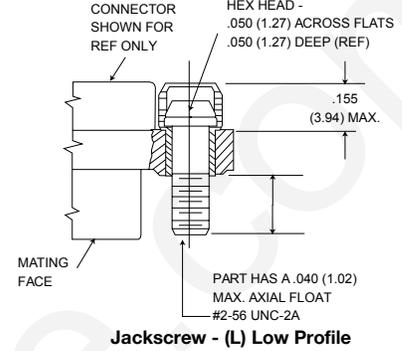
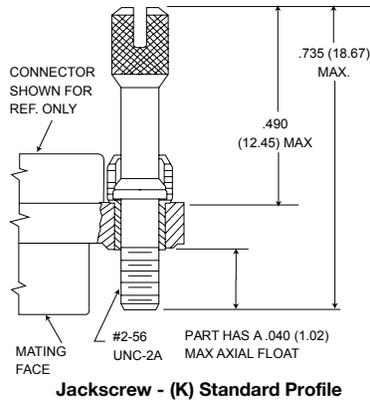
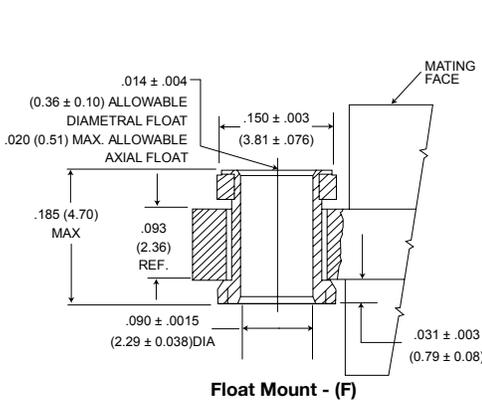
Dimensions shown in ( ) are in mm

Specifications and dimensions subject to change

# Micro-D Metal Shell - .050" Contact Spacing

MDM

## Mounting Hardware Views (sizes 9-69)

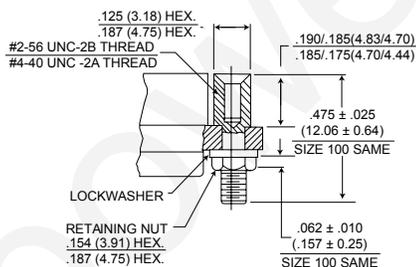
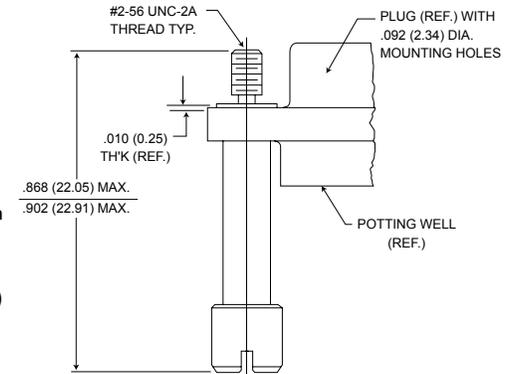
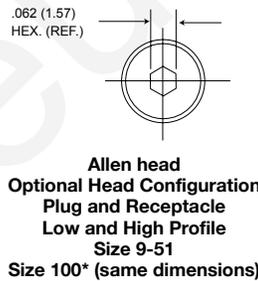
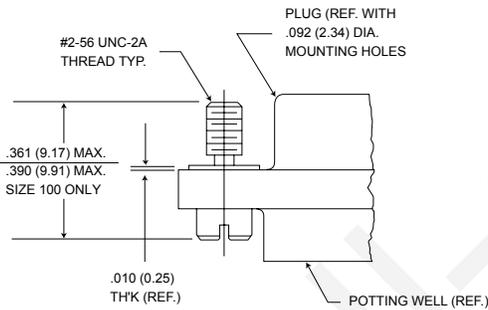


Shown here is a cutaway view of the float mount for the MDM connector. The basic shell dimensions are the same for the float mount and the screw mounting hole configurations. View shown is for standard float mount front panel mounting. Reverse mounting is available on request.

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

## Mounting Hardware to Military Specification (for sizes 9-69) per MIL-DTL-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 9-69 Mod Code Part Number	**	Size 100* 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 Low 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 for Mil-Spec hardware

Note: Torque values as follows:  
Size 9-51 4.0 in-lbs  
Size 100 6.0 in-lbs

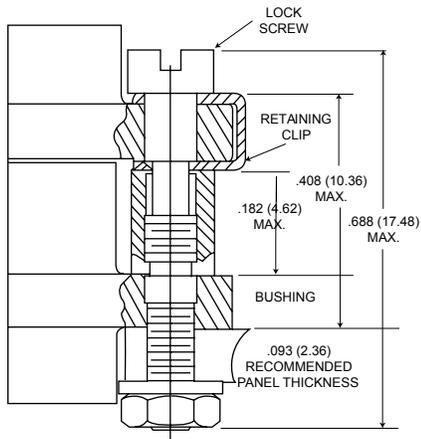


Dimensions shown in ( ) are in mm  
Specifications and dimensions subject to change

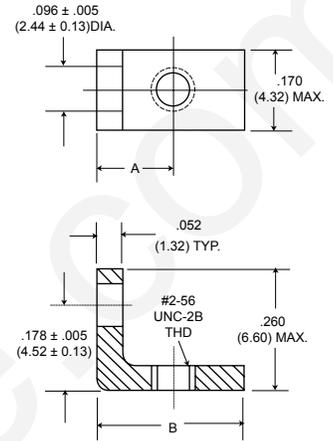
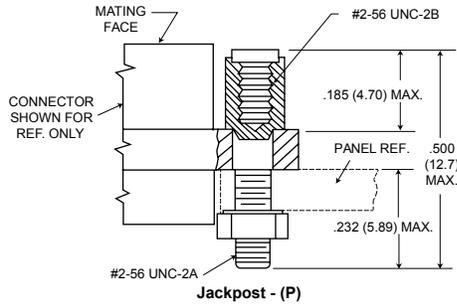
# Micro-D Metal Shell - .050" Contact Spacing

MDM

Mounting Hardware Views for Front Panel Mount (for sizes 9-69)



**Screw Lock Assembly\***  
\*NOTE Torque value is 2.5 in/lbs max.

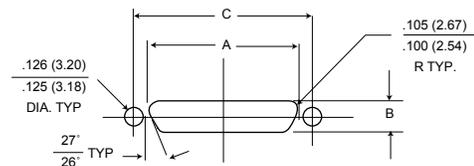
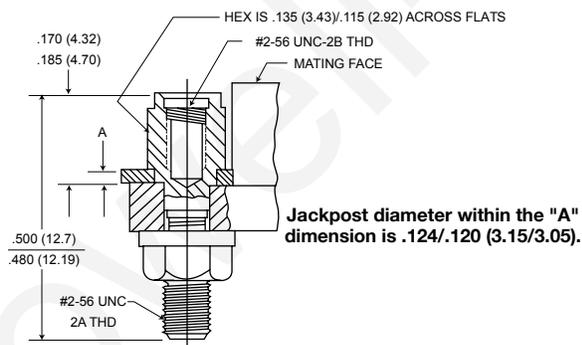


90° Angle Mounting Bracket

Description	Part Number	A +/- .005 (±0.13)	B +/- .010
Screw	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)	.277 (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 9-69)



### 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)
69	1.351 (34.32)	0.295 (7.50)	1.515 (38.48)

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

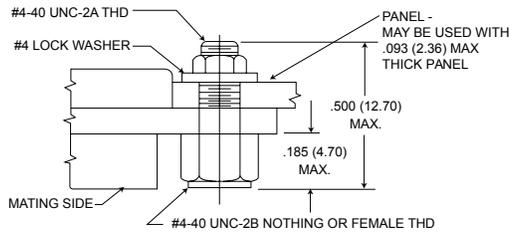
\*A kit consists of 2 jackpost, 2 nuts, 2 washers.

Dimensions shown in ( ) are in mm  
Specifications and dimensions subject to change

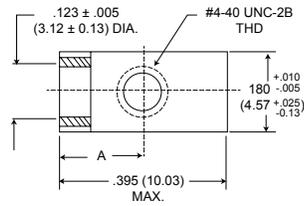
# Micro-D Metal Shell - .050" Contact Spacing

MDM

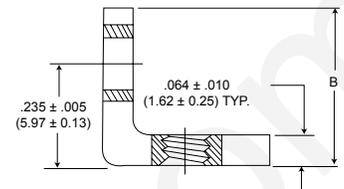
## Mounting Hardware Views (for size 100)



Jackpost - (P)

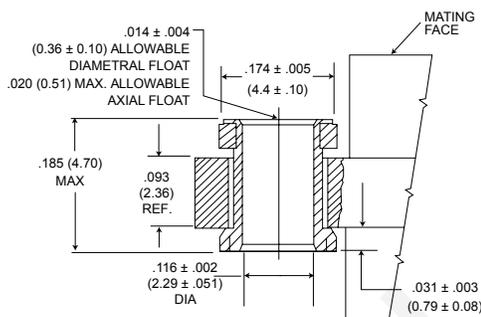


90° Angle Mounting Bracket

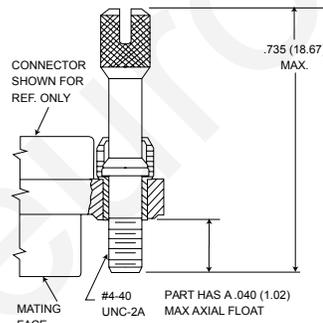


Description	Part Number	A +/- .005 (±0.13)	B Max.
Screw	322-9500-000		N/A
Jackpost kit	320-9505-000		N/A
Mounting Bracket 90° MDM for 9 thru 37 Shell Sizes	015-9516-002	.147 (3.73)	.308 (7.82)
Mounting Bracket 90° MDM for 51 Shell Size	015-9516-003	.169 (4.29)	.350 (8.89)

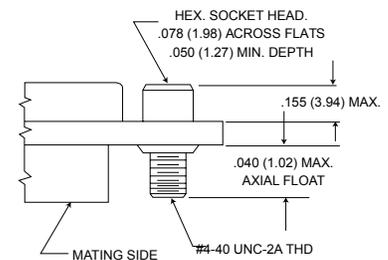
This hardware is factory installed.



Float Mount - (F) Std.



Jackscrew - (K) Standard



Jackscrew - (L) (Low Profile)

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

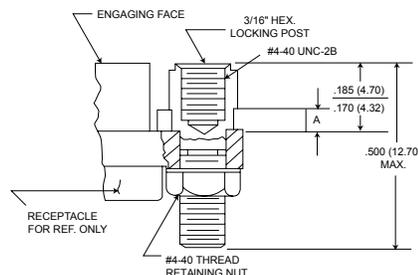
## Jackpost Bushing (for Rear Panel Mounting size 100)

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

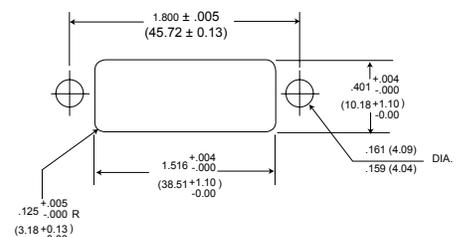
\*2 jackposts, 2 nuts, 2 washers

Torque value for size 100

Note: Size 100 requires B mounting hole shell size when using rear panel mount jackposts



## Dimensions for Rear Panel Mounting



Dimensions shown in ( ) are in mm  
Specifications and dimensions subject to change