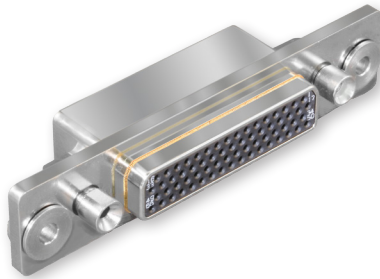


790-049S
Crimp Terminated Rear Panel
Float Mount Plugs, Socket Contacts
How To Order



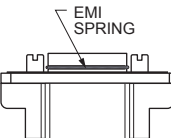
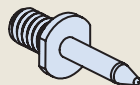
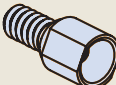
790-049S Rear Panel Float Mount Plugs
SOCKET CONTACTS WITH CRIMP TERMINATION



790-049S connectors are equipped with rear-panel float mounting assemblies to provide additional mounting leeway in rack and panel applications. These connectors feature machined aluminum shells and wire grommets for environmental protection. Contacts are rear-release snap-in crimp type. Connectors are supplied with crimp contacts packaged separately. Size #23 signal pins accept up to #22 AWG wire. Size #16 contacts accept #16-18 AWG wire. Size #12 contacts accept #12-14 AWG wire. Size 12 and 16 cavities also accept coaxial contacts purchased separately. Attach optional shielding adapters (799-016) for EMI protection.

HOW TO ORDER

Sample Part Number

790-049S	H-66	M	E	P
Part Number	Shell Size - Insert Arrangements	Shell Finish	EMI Spring	Hardware Option
790-049S Rear Panel Float Mounted Receptacle with Socket Contacts	See Table I for Available Insert Arrangements To order a connector without size #16 or #12 power pins, substitute "W" instead of "P" in the insert arrangement. Example: 36P2 is supplied with 2 power pins. 36W2 is supplied less the power pins. See Section B for coaxial contacts purchased separately.	M Electroless Nickel <i>general purpose applications</i> MT Nickel-PTFE <i>1000 Hour Grey™ maximum corrosion protection and durability (non-reflective grey)</i> ZNU Zinc-Nickel with Black Chromate <i>tactical applications (non-reflective black)</i> Additional shell finishes are listed on page C-9.	E EMI Spring N No Spring  Note: EMI Spring is not compatible with chromate finishes including cadmium and zinc-nickel	 N No Hardware  G Guide Pin  S Female Guide Socket

SPECIFICATIONS

Current Rating	#23 5 AMPS, #16 13 A., #12 23 A.
Dielectric Withstanding Voltage	#23 500 VAC RMS, #12 and #16 1800 VAC RMS
Insulation Resistance	5000 megohms minimum
Operating Temperature	-65° C. to +150° C.
Shock	300 g.
Vibration	37 g.

MATERIALS AND FINISHES

Shell	Aluminum alloy
Contacts	Copper alloy, 50 microinches gold plated, stainless steel hood
Insulators	Liquid crystal polymer (LCP)
Retention Clips	Beryllium copper alloy
Grommet	Flourosilicone rubber
Hardware	300 series stainless steel

Dimensions in Inches (millimeters) are subject to change without notice.

790-049S

Crimp Terminated Rear Panel Float Mount Plugs, Socket Contacts How To Order

Table 1 Contact Arrangements

Layout	Contact Quantity #23 #16 #12			Face View
A-5	5			
B-2P2	2			
B-9	9			
C-13	13			
D-15	15			
D-3P3	3			
D-7P2	5	2		
E-11P2	9	2		
E-19	19			
E-7P3	4	3		
F-15P2	13	2		
F-23	23			
F-5P5	5			
G-33	33			
H-10P4	6	4		
H-29P7	22	7		
H-36P2	34	2		
H-54P2	52	2		
H-5P5		5		
H-66	66			
J-17P4	13	4		
J-25P2	23	2		
J-33	33			
J-7P7	7			
K-27P4	23	4		
K-35P2	33	2		
K-43	43			
K-9P9	9			
L-6P6		6		
L-78	78			
M-102	102			

CROSS-SECTIONAL VIEW OF 790-049S

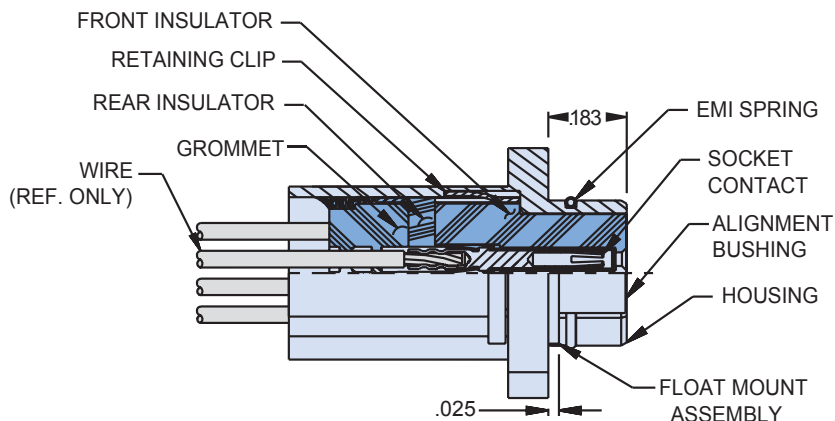
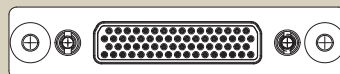
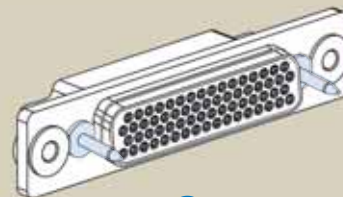


TABLE 2 HARDWARE OPTION

**N****No Mating Hardware**

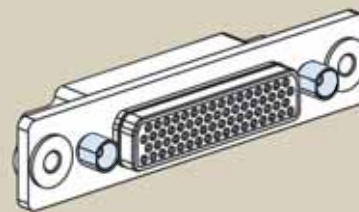
Connector is supplied with threaded holes. Shell sizes H and L have #6-32 threads, other sizes have #4-40 threads. Thread depth is .150" (3.8).

**G****Guide Pins**

Connector is supplied with stainless steel non-removable guide pins. Mates with type "S" guide sockets on corresponding receptacle connector.

S**Guide Sockets**

Connector is supplied with stainless steel non-removable bushings. Mates with type "G" guide pins on corresponding receptacle connector.

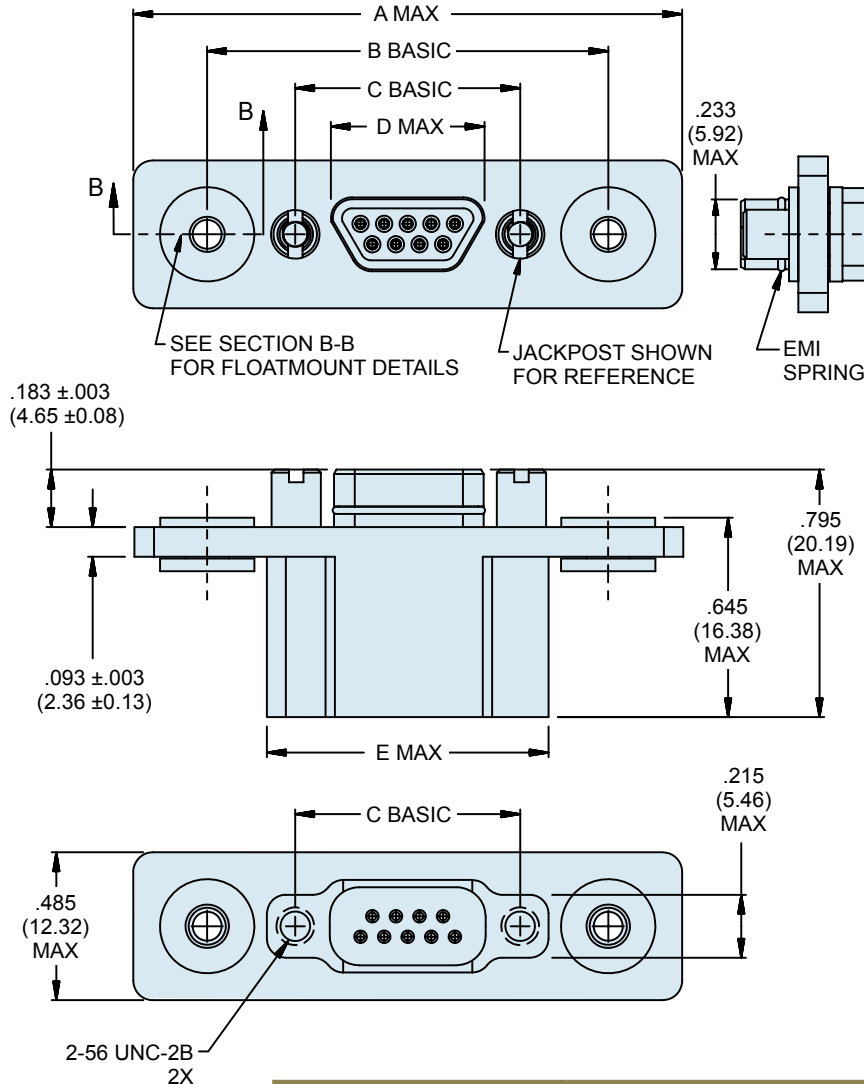


Dimensions in Inches (millimeters) are subject to change without notice.

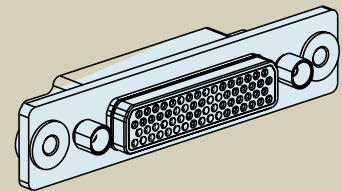
790-049S
Crimp Terminated Rear Panel
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Dimensions



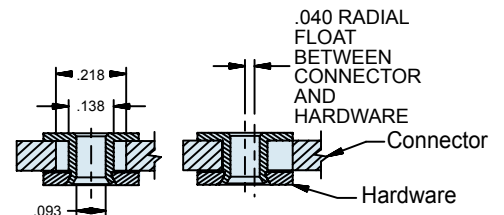
790-049S Shell Sizes A, B, C, D, E, F, J and K Dimensions



BLIND MATE



SHELL SIZES A, B, C, D, E, F, G, J, K
±.030 (0.76) ALLOWABLE
MISALIGNMENT FROM CENTERLINE



SECTION B-B
FOR SIZES "A, B, C, D, E, F, G, J & K"
CONNECTORS
(HARDWARE IS FOR #2-56 SCREW)

790-049S SIZES A, B, C, D, E, F, G, J & K DIMENSIONS

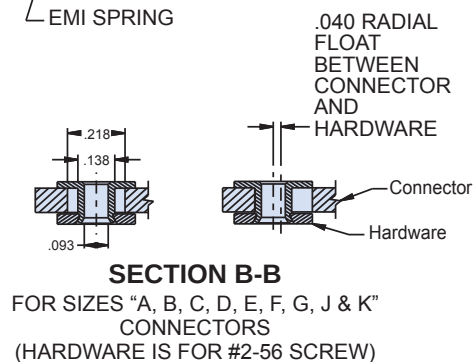
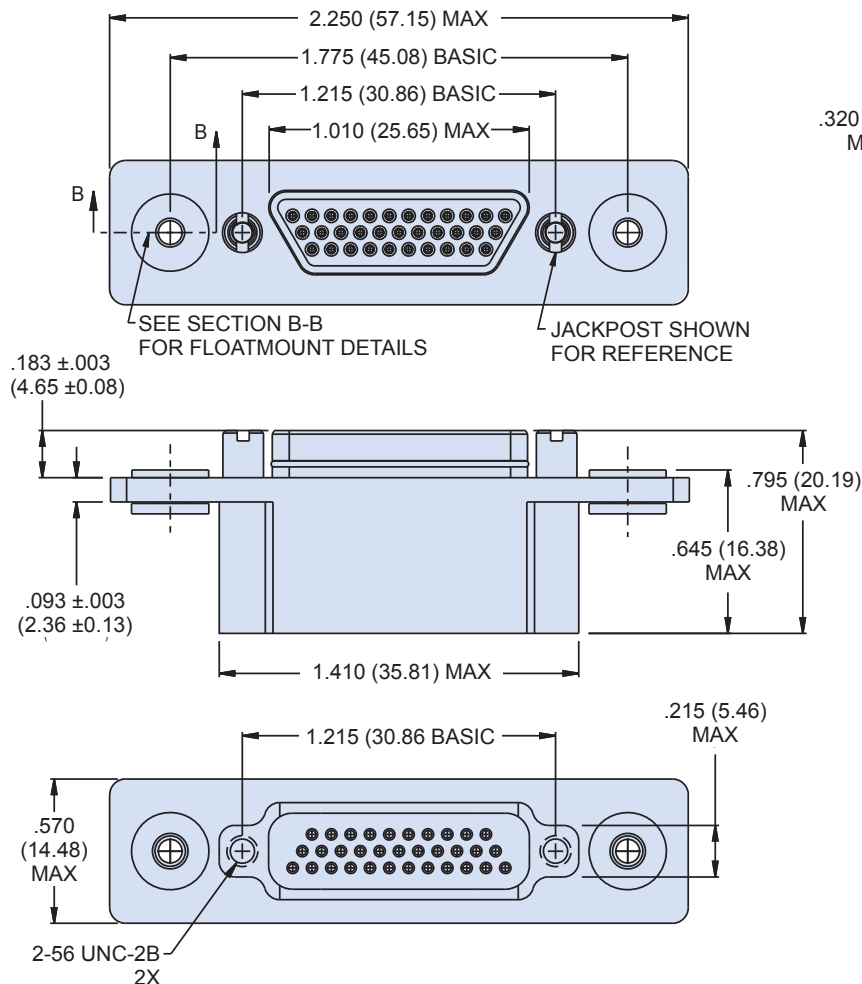
Shell Size	A Max.		B Basic		C Basic		D Max.		E Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
A	1.600	40.64	1.125	28.58	.565	14.35	.335	8.51	.760	19.30
B	1.700	43.18	1.275	32.38	.715	18.16	.485	12.32	.910	21.11
C	1.900	48.26	1.425	36.20	.865	21.97	.635	16.13	1.060	26.92
D	2.000	50.80	1.525	38.74	.965	25.51	.735	18.67	1.160	29.46
E	2.150	54.61	1.675	42.55	1.115	28.32	.885	22.48	1.310	33.27
F	2.300	58.42	1.825	46.36	1.265	32.13	1.035	26.29	1.460	37.08
J	2.650	67.31	2.175	55.25	1.615	41.02	1.390	35.31	1.810	45.97
K	3.050	77.47	2.575	65.41	2.015	51.18	1.795	45.59	2.210	56.13

Dimensions in Inches (millimeters) are subject to change without notice.



790-049S Crimp Terminated Rear Panel Float Mount Plugs, Socket Contacts Dimensions

790-049S Shell Size G Dimensions

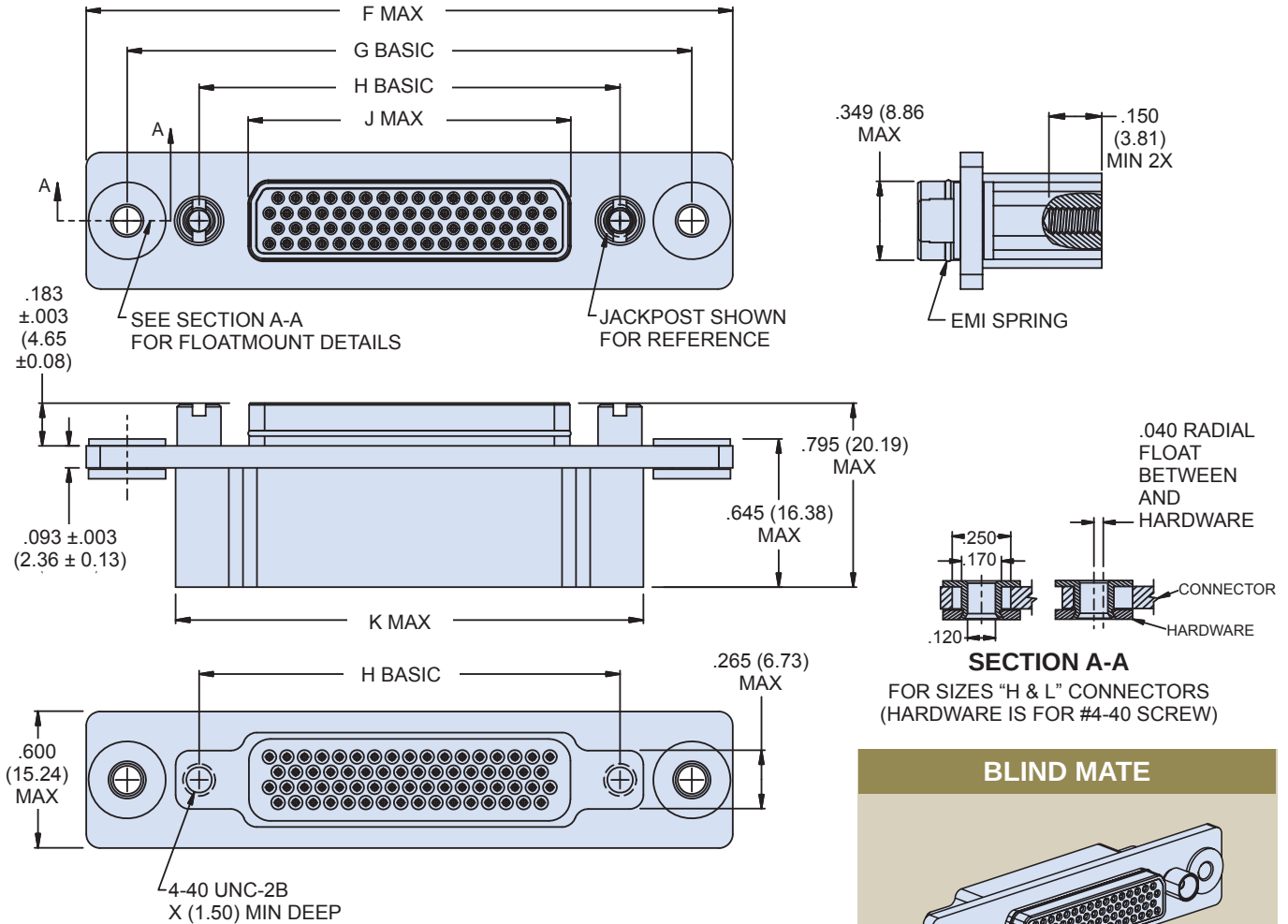


Dimensions in Inches (millimeters) are subject to change without notice.

790-049S
Crimp Terminated Rear Panel
Float Mount Plugs, Socket Contacts
Dimensions



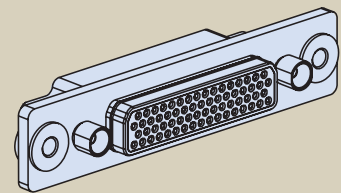
790-049S Shell Sizes H and L Dimensions



790-050P SIZES H & L DIMENSIONS

Shell Size	F Max.		G Basic		H Basic		J Max.		K Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
H	2.780	70.61	2.415	61.34	1.800	45.72	1.385	35.18	2.045	51.94
L	3.016	76.61	2.651	67.34	2.036	51.71	1.623	41.22	2.281	57.94

BLIND MATE



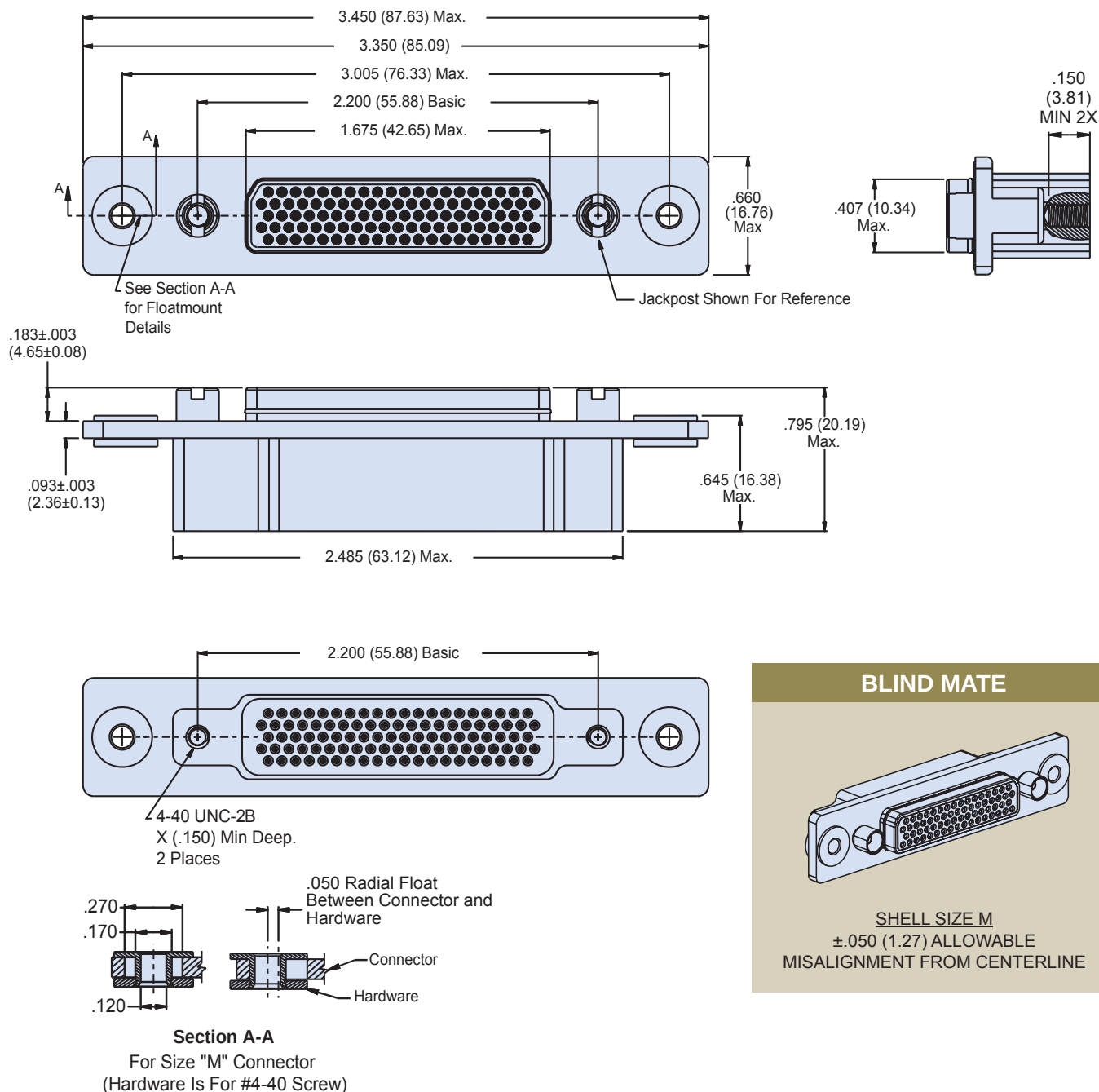
SHELL SIZES H, L
±.040 (1.02) ALLOWABLE
MISALIGNMENT FROM CENTERLINE

Dimensions in Inches (millimeters) are subject to change without notice.



790-049S Crimp Terminated Rear Panel Float Mount Plugs, Socket Contacts Dimensions

790-049S Shell Size M Dimensions



Dimensions in Inches (millimeters) are subject to change without notice.