

790-027SJ-17P4MTES

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790-027S Crimp Terminated Panel Mount Plugs, Socket Contacts How To Order

790-027S Panel Mount Plugs

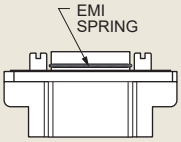
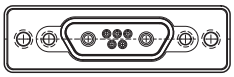
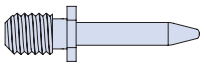
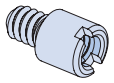
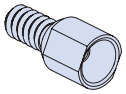
SOCKET CONTACTS WITH CRIMP TERMINATION



790-027S connectors are designed for rear-panel mounting and are supplied with conductive panel gaskets. 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

790-027S	H-66	M	E	P
Part Number	**Shell Size - Insert Arr.**	**Shell Finish**	**EMI Spring**	**Hardware Option**
790-027S Rear Panel Mounted Plug with Socket Contacts	See Table 1 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 *general purpose applications* **MT** Nickel-PTFE *1000 Hour Grey™ maximum corrosion protection and durability (non-reflective grey)* **ZNU** Zinc-Nickel with Black Chromate *tactical applications (non-reflective black)* 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  **P** Female Jackpost  **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
Panel Gasket	Fluorosilicone, conductive

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

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790-027S
Crimp Terminated Panel Mount Plugs, Socket Contacts
How To Order

Table I 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 790-027S

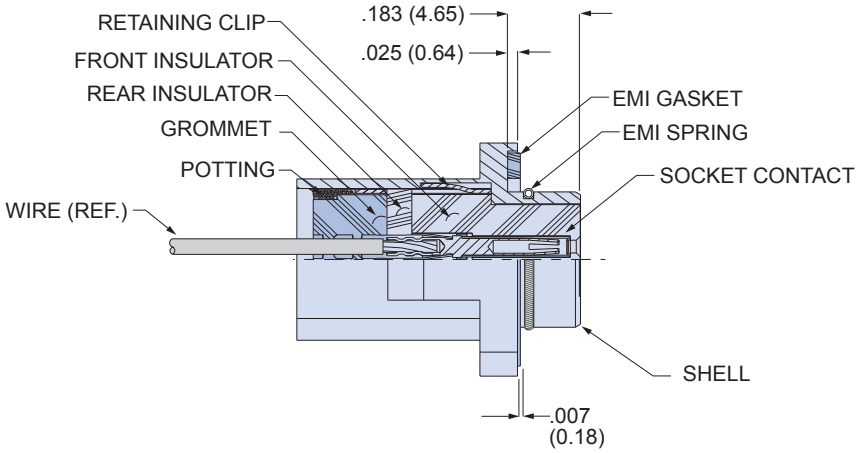
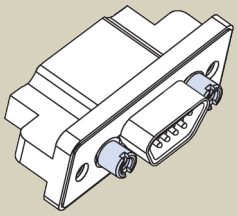


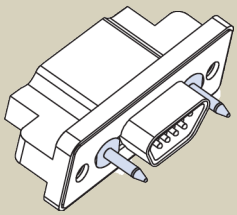
TABLE 2 HARDWARE OPTION



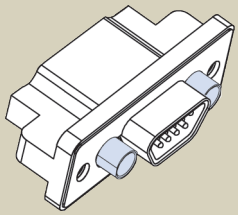
N
No Mating Hardware
Connector is supplied with threaded holes. Shell size M has #8-32 threads, shell sizes H and L have #6-32 threads, other sizes have #4-40 threads. Thread depth is .150" (3.8).



P
Jackposts
Connector is supplied with non-removable stainless steel jackposts. Shell size M has #6-32 threads, shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread. Stainless steel.



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.

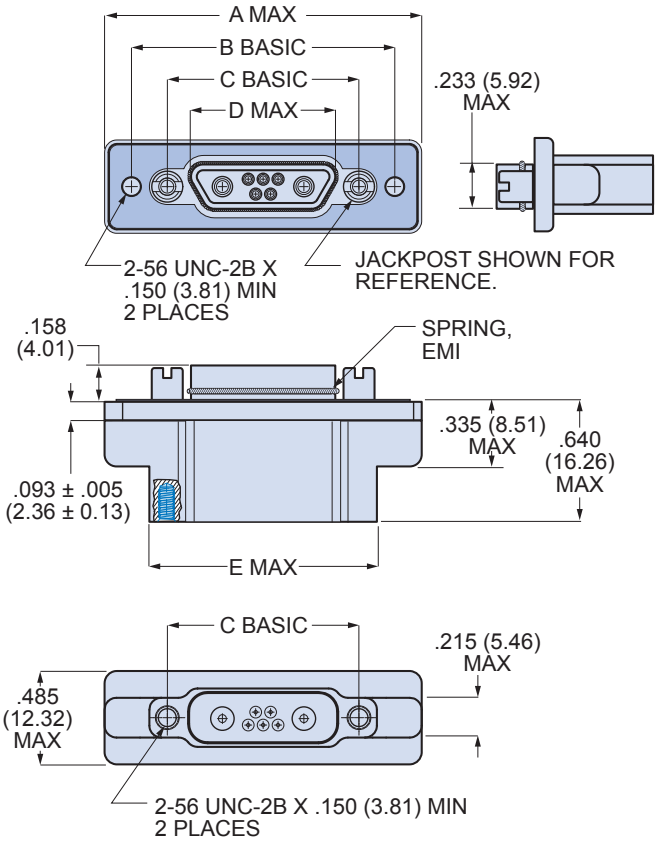
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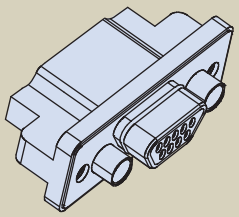
Glenair®

790-027S
Crimp Terminated Panel Mount Plugs, Socket Contacts
Dimensions

790-027S Shell Size 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

E

790-027S Shell Size A-F, J and K Dimensions

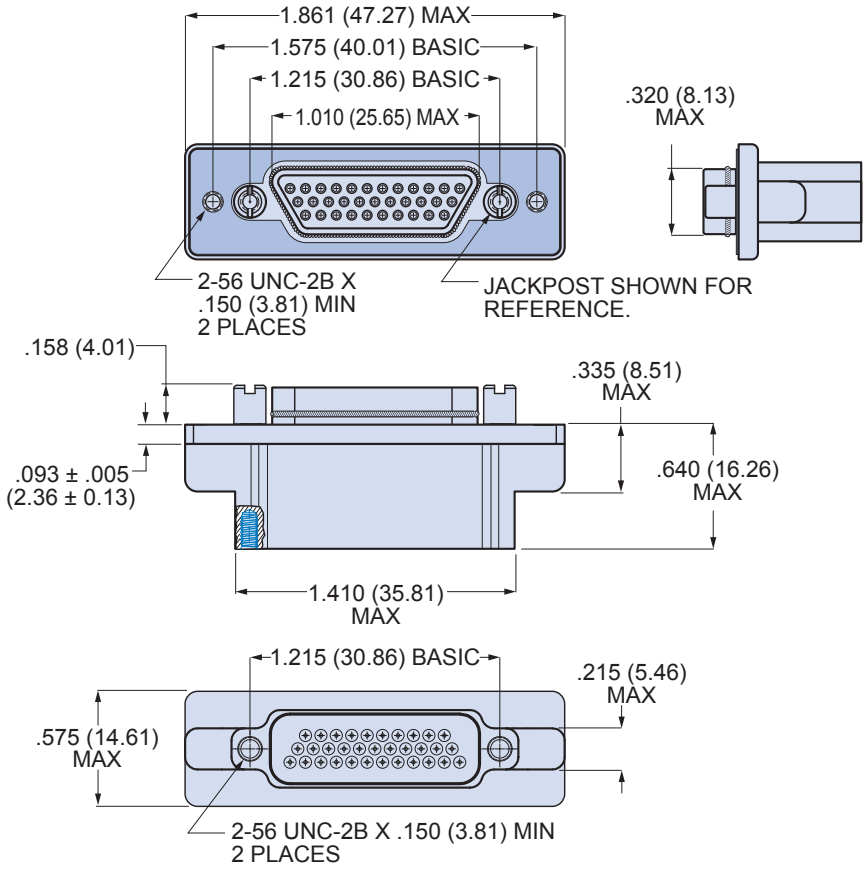
790-027S SIZE A-F, J, K DIMENSIONS

Shell Size	A Max.		B Basic		C Basic		D Max.		E Max.	
	In.	mm.	In .	mm.	In.	mm.	In.	mm.	In.	mm.
A	1.211	30.76	.925	23.50	.565	14.35	.335	8.51	.760	19.30
B	1.361	34.57	1.075	27.31	.715	18.16	.485	12.32	.910	21.11
C	1.511	38.38	1.225	31.12	.865	21.97	.635	16.13	1.060	26.92
D	1.611	40.92	1.325	33.66	.965	24.51	.735	18.67	1.160	29.46
E	1.761	44.73	1.475	37.47	1.115	28.32	.885	22.48	1.310	33.27
F	1.911	48.54	1.625	41.28	1.265	32.13	1.035	26.29	1.460	37.08
J	2.261	57.43	1.975	50.17	1.615	41.02	1.390	35.31	1.810	45.97
K	2.661	67.59	2.375	60.33	2.015	51.18	1.795	45.59	2.210	56.13

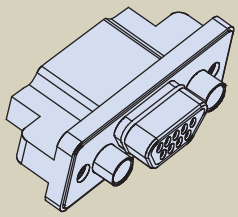
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790-027S Shell Size G Dimensions



BLIND MATE



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

E

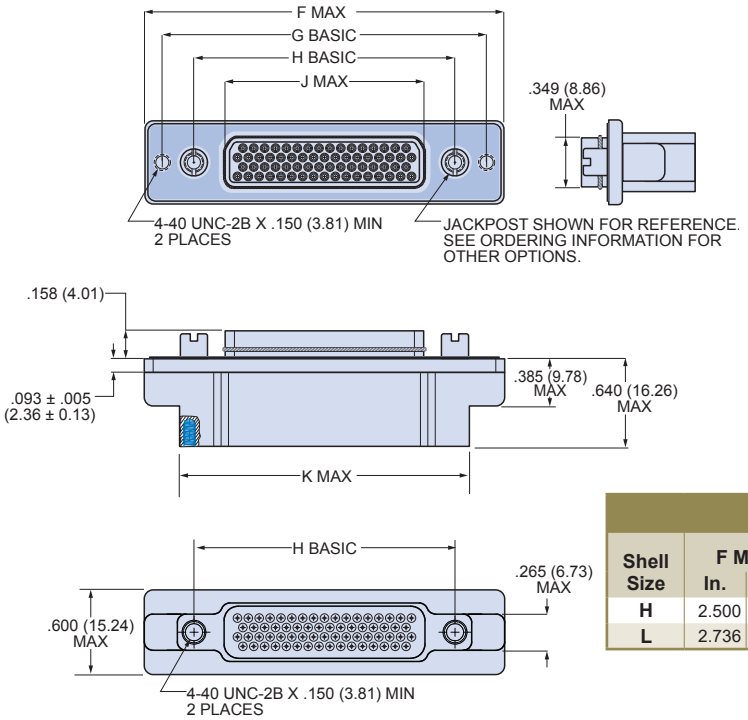
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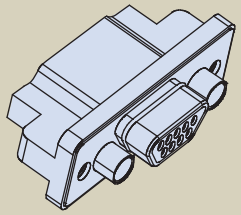
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790-027S
Crimp Terminated Panel Mount Plugs, Socket Contacts
Dimensions

790-027S Shell Size H and L Dimensions



BLIND MATE

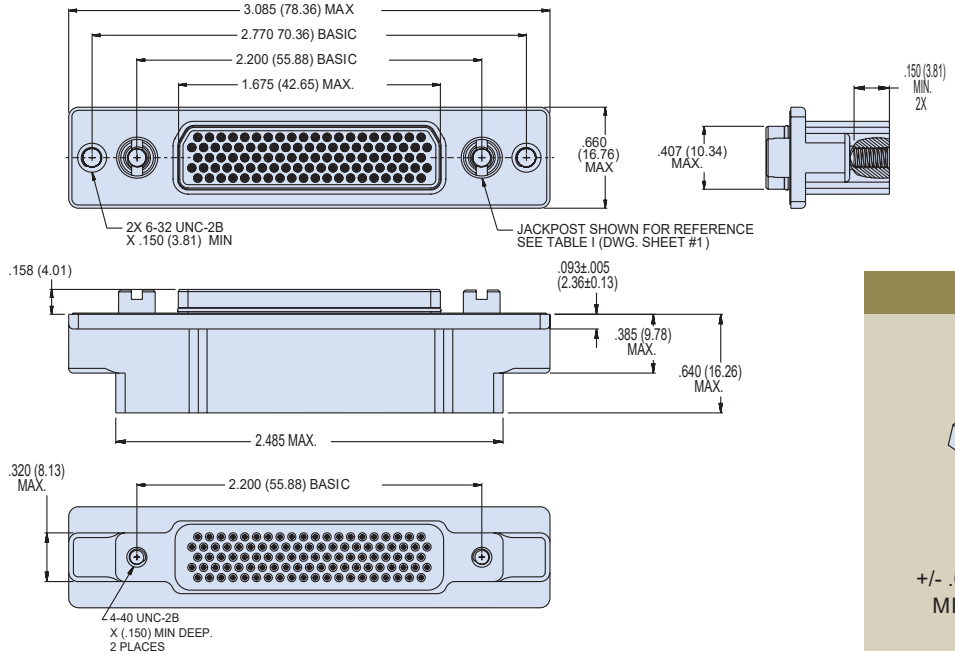


SHELL SIZES H, L
+/- .040 (1.02) ALLOWABLE MISALIGNMENT FROM CENTERLINE

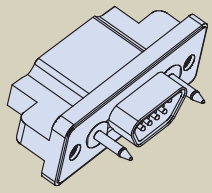
790-027S SIZE H & L DIMENSIONS

Shell Size	F Max.		G Basic		H Basic		J Max.		K Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
H	2.500	63.50	2.236	56.79	1.800	45.72	1.385	35.18	2.045	51.94
L	2.736	69.49	2.472	62.79	2.036	51.71	1.623	41.22	2.281	57.94

790-027S Shell Size M Dimensions



BLIND MATE



SHELL SIZE M
+/- .050 (0.76) ALLOWABLE MISALIGNMENT FROM CENTERLINE

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