



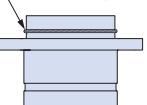
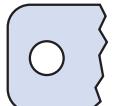
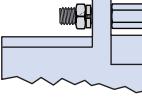
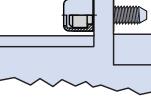
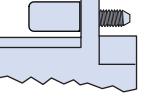
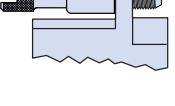
**790-025S**  
**Crimp Terminated Cable Plug Connector,**  
**Socket Contacts**  
**How To Order**

## 790-025S Cable Plugs

### SOCKET CONTACTS WITH CRIMP TERMINATION



790-025S 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. Connector shell features a groove for attachment of a low-profile EMI adapter 799-015, ordered separately.

HOW TO ORDER					
Sample Part Number					
790-025S	H-5P5	E	M	S	
Part Number	Shell Size - Insert Arrangement	EMI Spring	Shell Finish	Hardware Option	
<b>790-025S</b> Cable 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: <b>36P2</b> is supplied with 2 power pins. <b>36W2</b> is supplied less the power pins.  See Section B for coaxial contacts purchased separately.	<b>E</b> EMI Spring  <b>N</b> No Spring    <b>Note:</b> EMI Spring is not compatible with chromate finishes including cadmium and zinc-nickel	<b>M</b> Electroless Nickel general purpose applications  <b>MT</b> Nickel-PTFE 1000 Hour Grey™ maximum corrosion protection and durability (non-reflective grey)  <b>ZNU</b> Zinc-Nickel with Black Chromate tactical applications (non-reflective black)  Additional shell finishes are listed on page C-9.	  <b>N</b> Thru-Hole No Hardware	  <b>P</b> Female Jackpost
				  <b>L</b> Low-Profile Captivated Jackscrew, Hex Head	  <b>K</b> Slot-Head Extended Jackscrew
				  <b>S</b> Low-Profile Captivated Screwlock, Hex Head	  <b>T</b> Slot-Head Extended Captivated Screwlock

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	Fluorosilicone rubber
Hardware	300 series stainless steel

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

**790-025S**  
**Crimp Terminated Cable Plug Connector,**  
**Socket Contacts**  
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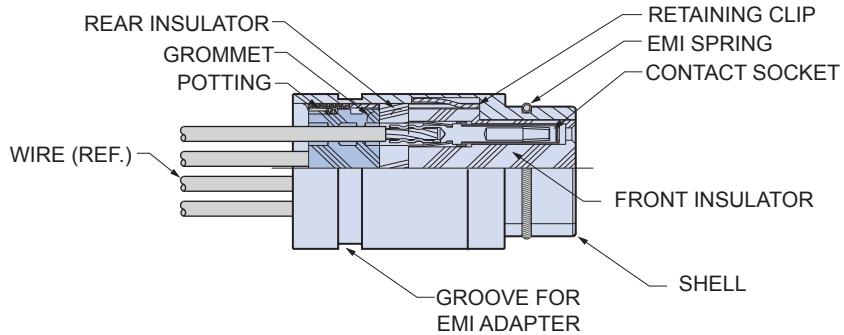
**Glenair®**

Series 79  
Cable  
Connectors

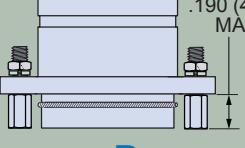
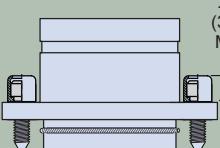
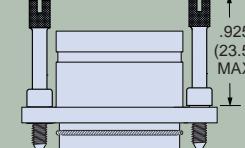
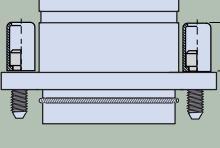
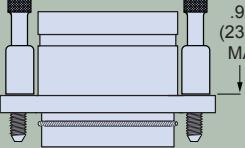
**Table I Contact Arrangements**

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

**CROSS-SECTIONAL VIEW OF 790-025S**



**TABLE 2 HARDWARE OPTION**

 <b>N</b> <b>No Mating Hardware</b> <p>Connector is supplied with thru-holes. Shell sizes H and L are .148" (3.76) diameter, other shell sizes are .092" (2.34) diameter. Accepts standard Micro-D M83513 hardware.</p>	 <b>P</b> <b>Jackposts</b> <p>Connector is supplied with removable jackposts. Shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread. Stainless steel. Conforms to M83513/05.</p>
 <b>L</b> <b>Hex Head Jackscrews</b> <p>Connector is supplied with stainless steel non-removable low profile jackscrews. Shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread.</p>	 <b>K</b> <b>Extended Jackscrews</b> <p>Connector is supplied with stainless steel slot head non-removable jackscrews. Shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread.</p>
 <b>S</b> <b>Hex Head Screwlocks</b> <p>Connector is supplied with stainless steel non-removable low profile screwlocks. Shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread. Screwlocks allow the connector to be mated before the screws are fastened.</p>	 <b>T</b> <b>Extended Screwlocks</b> <p>Connector is supplied with stainless steel non-removable slot head screwlocks. Shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread. Screwlocks allow the connector to be mated before the screws are fastened.</p>

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