

## Series 79 Micro-Crimp

### Section D: Cable Connectors, Crimp Termination

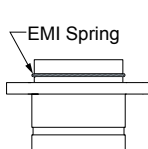
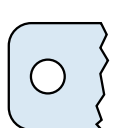
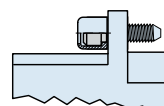
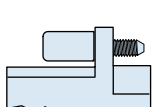
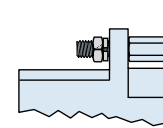
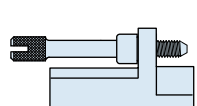
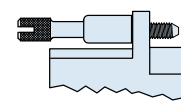
#### CABLE PLUGS WITH SOCKET CONTACTS, CRIMP TERMINATION, 790-025S



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 Arr.                                                                                                                                                                                                                                                                                                                                     | EMI Spring                                                                                                                                     | Shell Finish                                                                                                                                                                                                                                                                                                                                                           | Hardware Option                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>790-025S</b><br>Cable Plug With Socket Contacts | See Table 1 for Available Insert Arrangements<br><br>To order a connector without size #16 or #12 power pins, substitute "W" instead of "P" in the insert arrangement.<br><br>Example:<br><br><b>36P2</b> is supplied with 2 power pins.<br><br><b>36W2</b> is supplied less the power pins.<br><br>See Section B for coaxial contacts purchased separately. | <b>E</b><br>EMI Spring<br><br><b>N</b><br>No Spring<br><br> | <b>M</b><br>Electroless Nickel<br><i>general purpose applications</i><br><br><b>MT</b><br>Nickel-PTFE<br><i>1000 Hour Grey™ maximum corrosion protection and durability (non-reflective grey)</i><br><br><b>ZNU</b><br>Zinc-Nickel with Black Chromate<br><i>tactical applications (non-reflective black)</i><br><br>Additional shell finishes are listed on page C-9. | <br><b>N</b><br>Thru-Hole<br>No Hardware<br><br><br><b>L</b><br>Low-Profile Captivated Jackscrew, Hex Head<br><br><br><b>S</b><br>Low-Profile Captivated Screwlock, Hex Head | <br><b>P</b><br>Female Jackpost<br><br><br><b>K</b><br>Slot-Head Extended Jackscrew<br><br><br><b>T</b><br>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         | Flourosilicone rubber                                          |
| Hardware        | 300 series stainless steel                                     |

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

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Rev. 04-July-2009

# Series 79 Micro-Crimp Section D: Cable Connectors, Crimp Termination

**Glenair**

Cable  
Connectors

**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         |           |

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

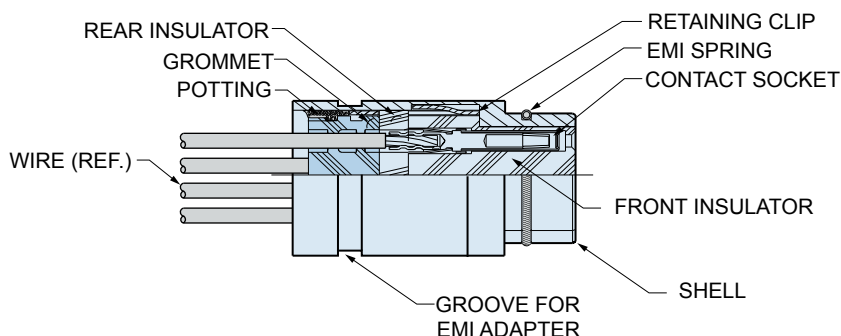
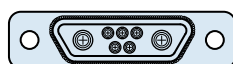


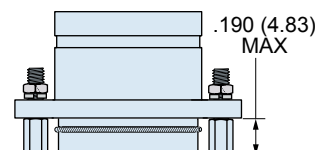
**TABLE 2 HARDWARE OPTION**



**N**

## No Mating Hardware

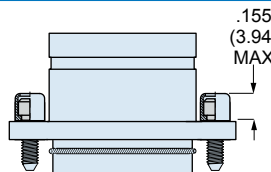
Connector is supplied with thru-holes. Shell sizes H and L are .148" (3.76) diameter, other shell sizes are .092" (2.34) diameter. Accepts standard Micro-D M83513 hardware.



**P**

## Jackposts

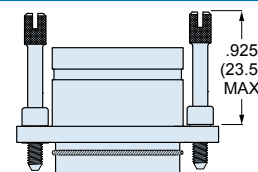
Connector is supplied with removable jackposts. Shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread. Stainless steel. Conforms to M83513/05.



**L**

## Hex Head Jackscrews

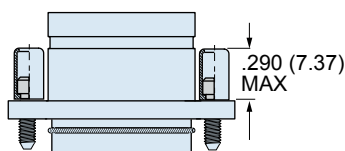
Connector is supplied with stainless steel non-removable low profile jackscrews. Shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread.



**K**

## Extended Jackscrews

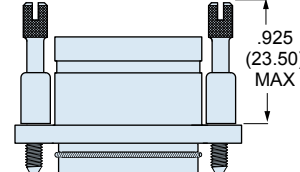
Connector is supplied with stainless steel slot head non-removable jackscrews. Shell sizes H and L have #4-40 UNC thread, other sizes have #2-56 thread.



**S**

## Hex Head Screwlocks

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.



**T**

## Extended Screwlocks

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.

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

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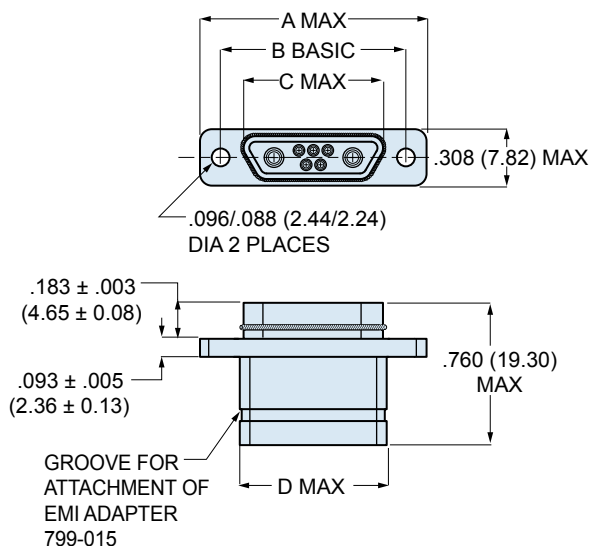
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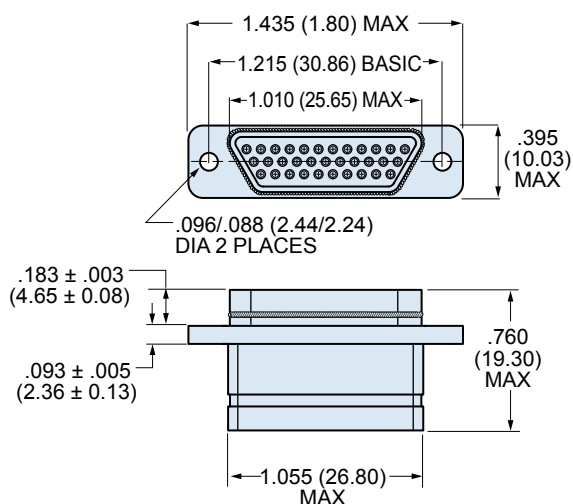
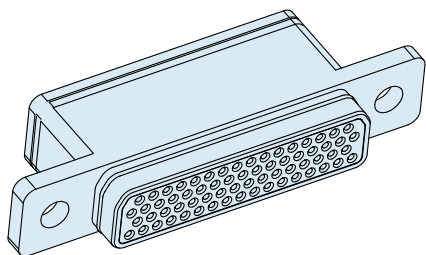
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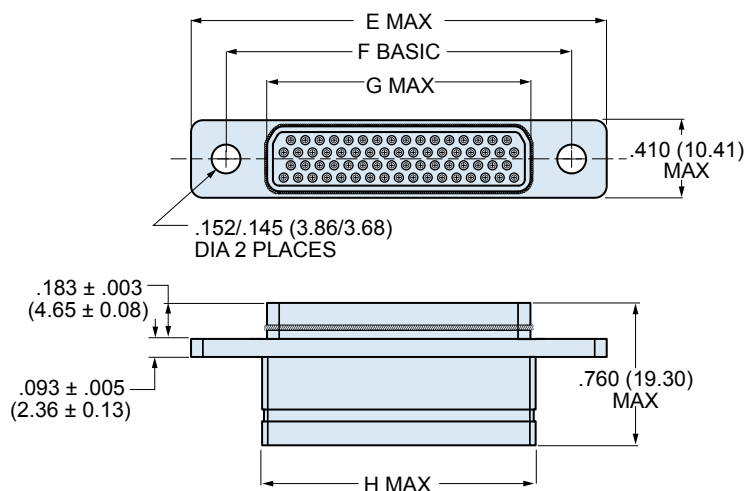
### 790-025S DIMENSIONS



**SHELL SIZES A, B, C, D, E, F, J, K**



**SHELL SIZE G**



**SHELL SIZE H AND L**

### 790-025S DIMENSIONS

| Shell Size | A Max. |       | B Basic |       | C Max. |       | D Max. |       | E Max. |       | F Basic |       | G Max. |       | H Max. |       |
|------------|--------|-------|---------|-------|--------|-------|--------|-------|--------|-------|---------|-------|--------|-------|--------|-------|
|            | In.    | mm.   | In.     | mm.   | In.    | mm.   | In.    | mm.   | In.    | mm.   | In.     | mm.   | In.    | mm.   | In.    | mm.   |
| A          | .785   | 19.94 | .565    | 14.35 | .335   | 8.51  | .390   | 9.91  | —      | —     | —       | —     | —      | —     | —      | —     |
| B          | .935   | 23.75 | .715    | 18.16 | .485   | 12.32 | .540   | 13.72 | —      | —     | —       | —     | —      | —     | —      | —     |
| C          | 1.085  | 27.65 | .865    | 21.97 | .635   | 16.13 | .690   | 17.53 | —      | —     | —       | —     | —      | —     | —      | —     |
| D          | 1.185  | 30.10 | .965    | 24.51 | .735   | 18.67 | .790   | 20.07 | —      | —     | —       | —     | —      | —     | —      | —     |
| E          | 1.335  | 33.91 | 1.115   | 28.32 | .885   | 22.48 | .940   | 23.88 | —      | —     | —       | —     | —      | —     | —      | —     |
| F          | 1.485  | 37.72 | 1.265   | 32.13 | 1.035  | 26.29 | 1.090  | 27.69 | —      | —     | —       | —     | —      | —     | —      | —     |
| H          | —      | —     | —       | —     | —      | —     | —      | —     | 2.175  | 55.25 | 1.800   | 45.72 | 1.385  | 35.18 | 1.440  | 36.58 |
| J          | 1.845  | 46.86 | 1.615   | 41.02 | 1.390  | 35.61 | 1.450  | 36.83 | —      | —     | —       | —     | —      | —     | —      | —     |
| K          | 2.240  | 56.90 | 2.015   | 51.18 | 1.795  | 45.59 | 1.840  | 46.74 | —      | —     | —       | —     | —      | —     | —      | —     |
| L          | —      | —     | —       | —     | —      | —     | —      | —     | 2.420  | 61.47 | 2.036   | 51.71 | 1.623  | 41.22 | 1.675  | 42.55 |

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Rev. 04-July-2009

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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