

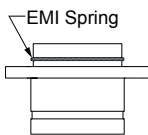

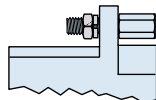
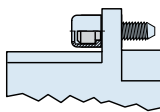
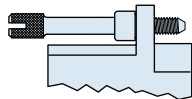
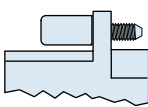
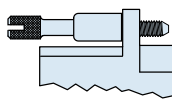
### CABLE PLUGS WITH SOCKET CONTACTS, CRIMP TERMINATION, 790-025S



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><b>36P2</b> is supplied with 2 power pins.<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><b>P</b><br>Female Jackpost                           |
|  |  |  |  | <br><b>L</b><br>Low-Profile Captivated Jackscrew, Hex Head | <br><b>K</b><br>Slot-Head Extended Jackscrew            |
|  |  |  |  | <br><b>S</b><br>Low-Profile Captivated Screwlock, Hex Head | <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.

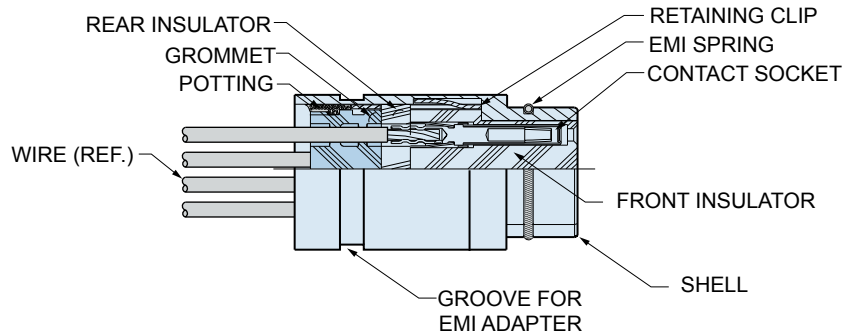
# Series 79 Micro-Crimp Section D: Cable Connectors, Crimp Termination



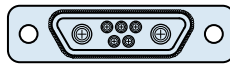
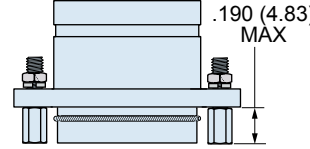
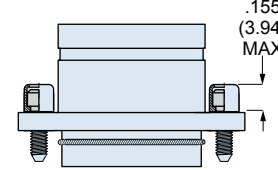
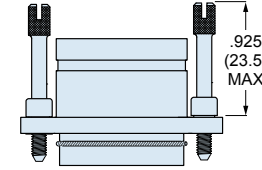
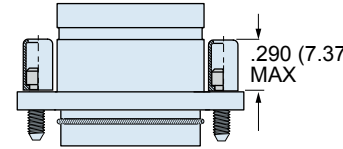
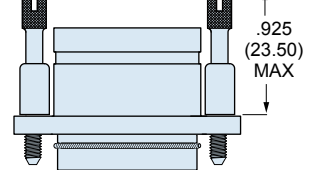
**Table 1 Contact Arrangements**

| 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**

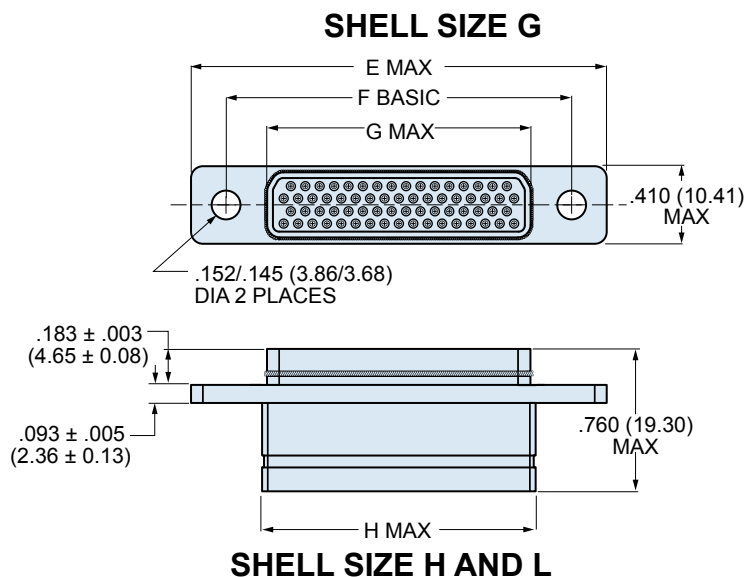
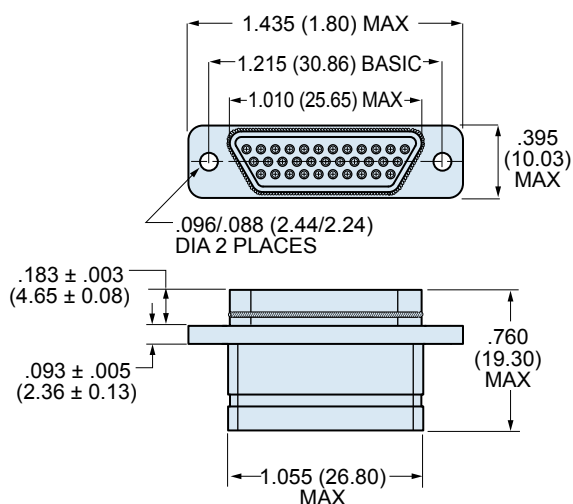
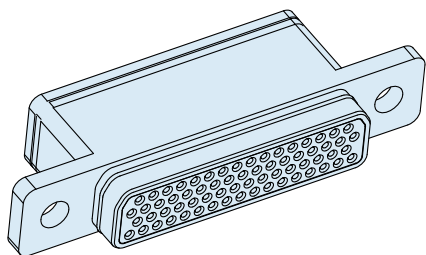
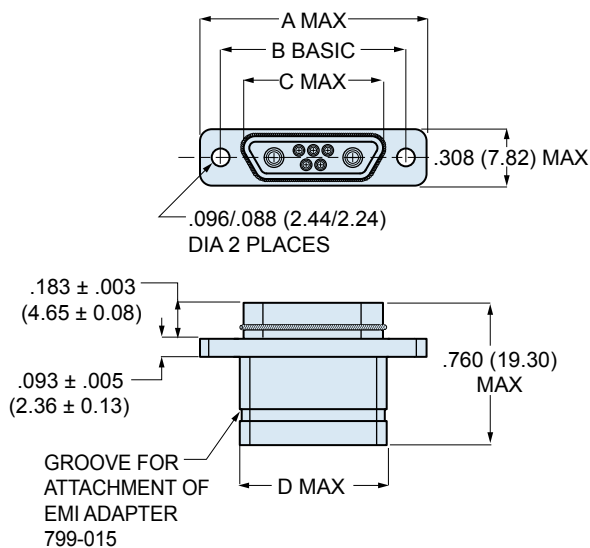


**TABLE 2 HARDWARE OPTION**

|   |   |
|---|---|
|  <p><b>N</b><br/><b>No Mating Hardware</b></p> <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>   |  <p><b>P</b><br/><b>Jackposts</b></p> <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> <p>.190 (4.83) MAX</p>  |
|  <p><b>L</b><br/><b>Hex Head Jackscrews</b></p> <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> <p>.155 (3.94) MAX</p>   |  <p><b>K</b><br/><b>Extended Jackscrews</b></p> <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> <p>.925 (23.5) MAX</p>   |
|  <p><b>S</b><br/><b>Hex Head Screwlocks</b></p> <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> <p>.290 (7.37) MAX</p> |  <p><b>T</b><br/><b>Extended Screwlocks</b></p> <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> <p>.925 (23.50) MAX</p> |

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

### 790-025S DIMENSIONS



### 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 |

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

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9