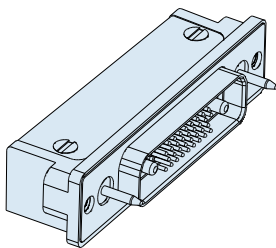


Series 79 Micro-Crimp Section G: Right Angle Printed Circuit Board Connectors

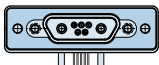
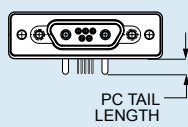
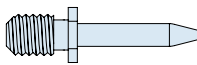
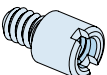
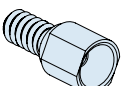


PANEL RECEPTACLES WITH PIN CONTACTS, RIGHT ANGLE PCB TERMINATION, 790-036P



Lightweight, rugged right angle headers feature gold-plated contacts for thru-hole printed circuit board termination. 790-036P connectors are designed for rear-panel mounting and are supplied with conductive panel gaskets. Contacts are permanently installed and are sealed with epoxy. Shells are aluminum alloy. Threaded board mounting holes and integral standoffs simplify installation. EMI shroud improves EMI performance. Fluorosilicone face seal provides watertight interface. Available in 29 different contact arrangements, these connectors feature size #23 signal contacts along with #16 and #12 power contacts for up to 23 amps current rating.

HOW TO ORDER

| Sample Part Number | | | | |
|---|---|---|--|---|
| 790-036P | D-7P2 | MT | P | A |
| Part Number | Shell Size - Insert Arr. | Shell Finish | Hardware Option | PC Tail Length |
| 790-036P Rear-Panel Mounted Receptacle with 90° PC Tail Pin Contacts for Termination to Backplanes or Flexible Circuits | See Table 1 for Available Insert Arrangements | M Electroless Nickel <i>general purpose applications</i> |  N No Hardware | A .125 Inch (3.2 mm.) B .250 inch (6.4 mm.)  PC TAIL LENGTH |
| | | MT Nickel-PTFE 1000 Hour Grey™ <i>maximum corrosion protection and durability (non-reflective grey)</i> |  G Guide Pin | |
| | | ZNU Zinc-Nickel with Black Chromate <i>tactical applications (non-reflective black)</i> |  P Female Jackpost | |
| | | Additional shell finishes are listed on page C-9. |  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

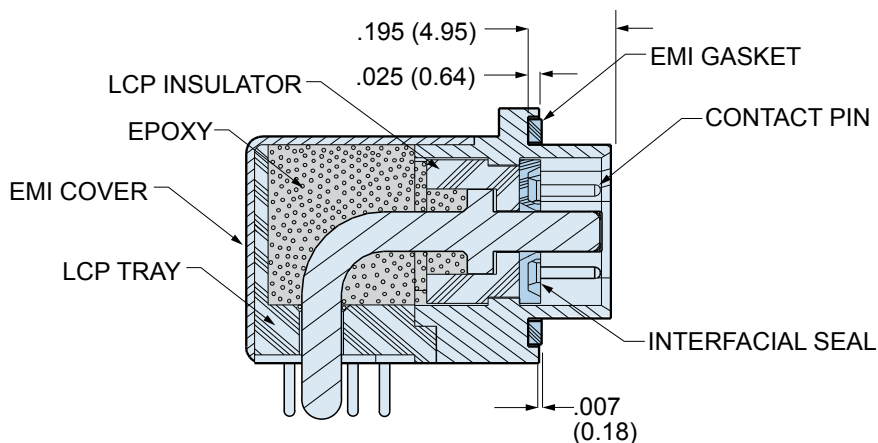
| | |
|------------------|--|
| Shell | Aluminum alloy |
| Contacts | Copper alloy, 50 microinches gold plated |
| Insulator | Liquid crystal polymer (LCP) |
| Interfacial Seal | Fluorosilicone rubber |
| Hardware | 300 series stainless steel |
| Panel Gasket | Fluorosilicone, conductive |
| Encapsulant | Epoxy |

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

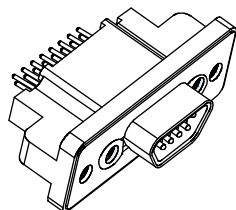
**Table 1
Contact Arrangements**

| Layout | Contact Quantity | | | Face View |
|--------|------------------|-----|-----|-----------|
| | #23 | #16 | #12 | |
| 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 790-036P



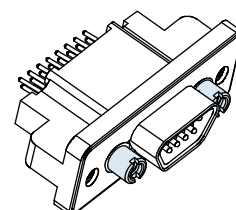
**TABLE 2
Hardware Option**



N

No Mating Hardware

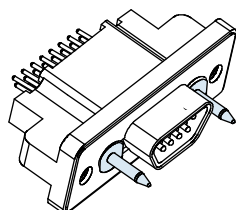
Connector is supplied with blind, tapped holes. Shell sizes H and L have 6-32 UNC-2B thread, other sizes are #4-40. Minimum thread depth is .150" (3.81).



P

Jackposts

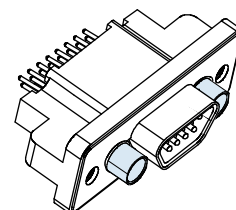
Connector is supplied with non-removable jackposts. Shell sizes H and L have #4-40 UNC-2B thread, other sizes have #2-56 thread.



G

Male Guide Pins

Connector is supplied with stainless steel guide pins to mate with code S guide sockets. Pins are non-removable.



S

Female Guide Sockets

Connector is supplied with stainless steel guide sockets to mate with code G guide pins. Sockets are non-removable.

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

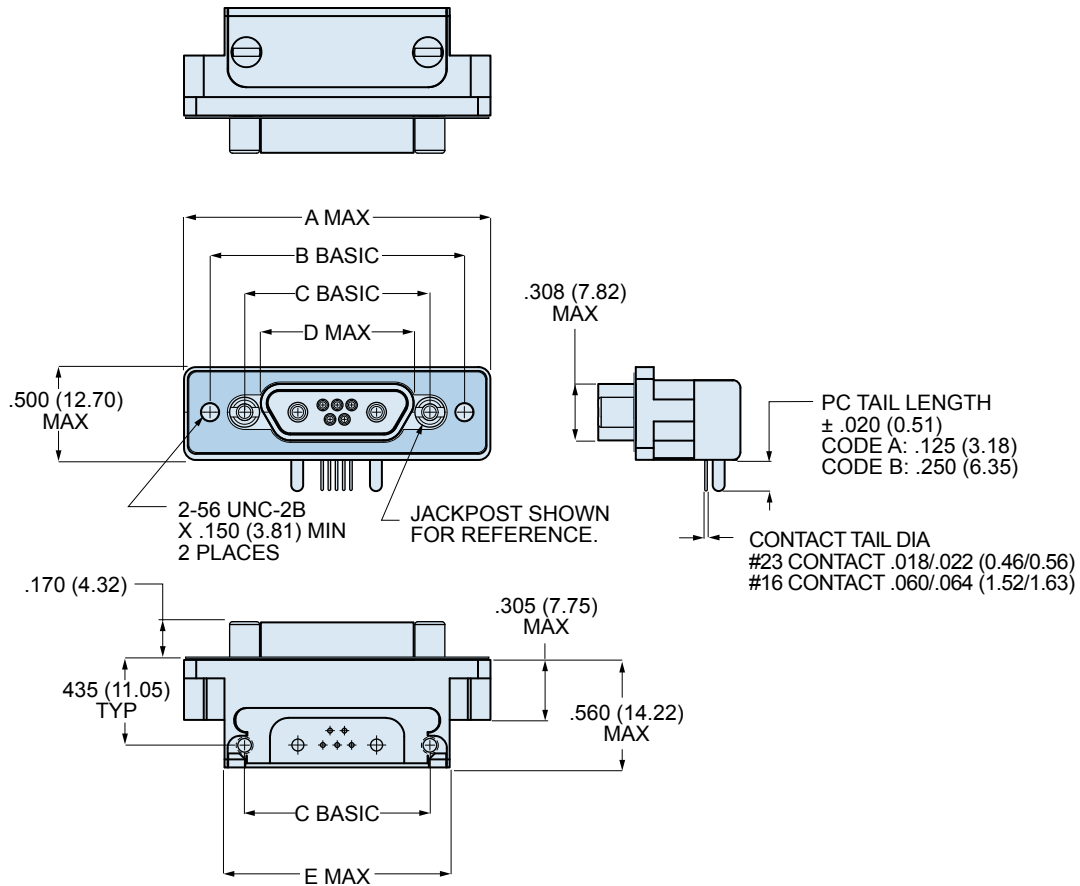
CAGE Code 06324

Printed in U.S.A.

Series 79 Micro-Crimp Section G: Right Angle Printed Circuit Board Connectors



790-036P DIMENSIONS: SHELL SIZES A-F, J, AND K

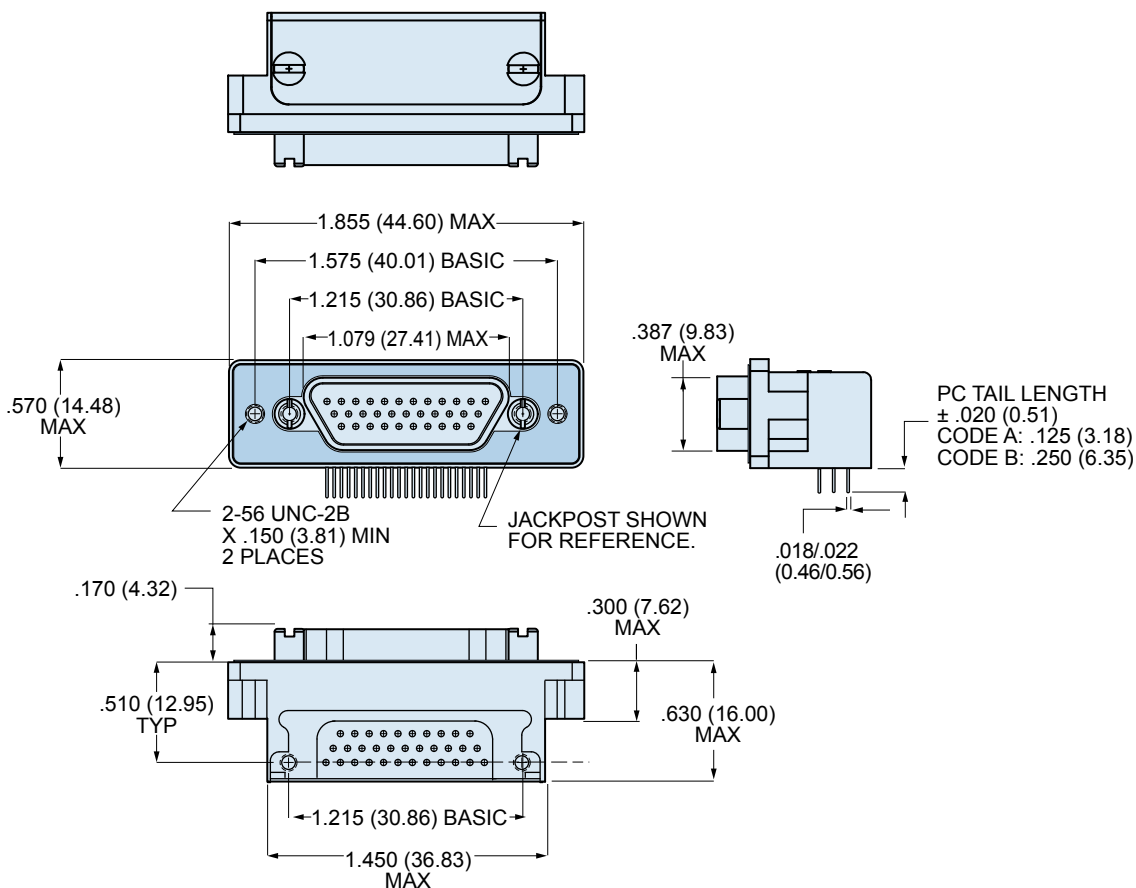


790-036P SHELL SIZES A-F, J AND K

| 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 | .401 | 10.19 | .760 | 19.30 |
| B | 1.361 | 34.57 | 1.075 | 27.31 | .715 | 18.16 | .551 | 14.00 | .910 | 21.11 |
| C | 1.511 | 38.38 | 1.225 | 31.12 | .865 | 21.97 | .701 | 17.81 | 1.060 | 26.92 |
| D | 1.611 | 40.92 | 1.325 | 33.66 | .965 | 24.51 | .801 | 20.35 | 1.160 | 29.46 |
| E | 1.761 | 44.73 | 1.475 | 37.47 | 1.115 | 28.32 | .951 | 24.16 | 1.310 | 33.27 |
| F | 1.911 | 48.54 | 1.625 | 41.28 | 1.265 | 32.13 | 1.101 | 27.96 | 1.460 | 37.08 |
| J | 2.261 | 57.43 | 1.975 | 50.17 | 1.615 | 41.02 | 1.456 | 36.98 | 1.810 | 45.97 |
| K | 2.661 | 67.59 | 2.375 | 60.33 | 2.015 | 51.18 | 1.860 | 47.24 | 2.210 | 56.13 |

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

790-036P DIMENSIONS: SHELL SIZE G

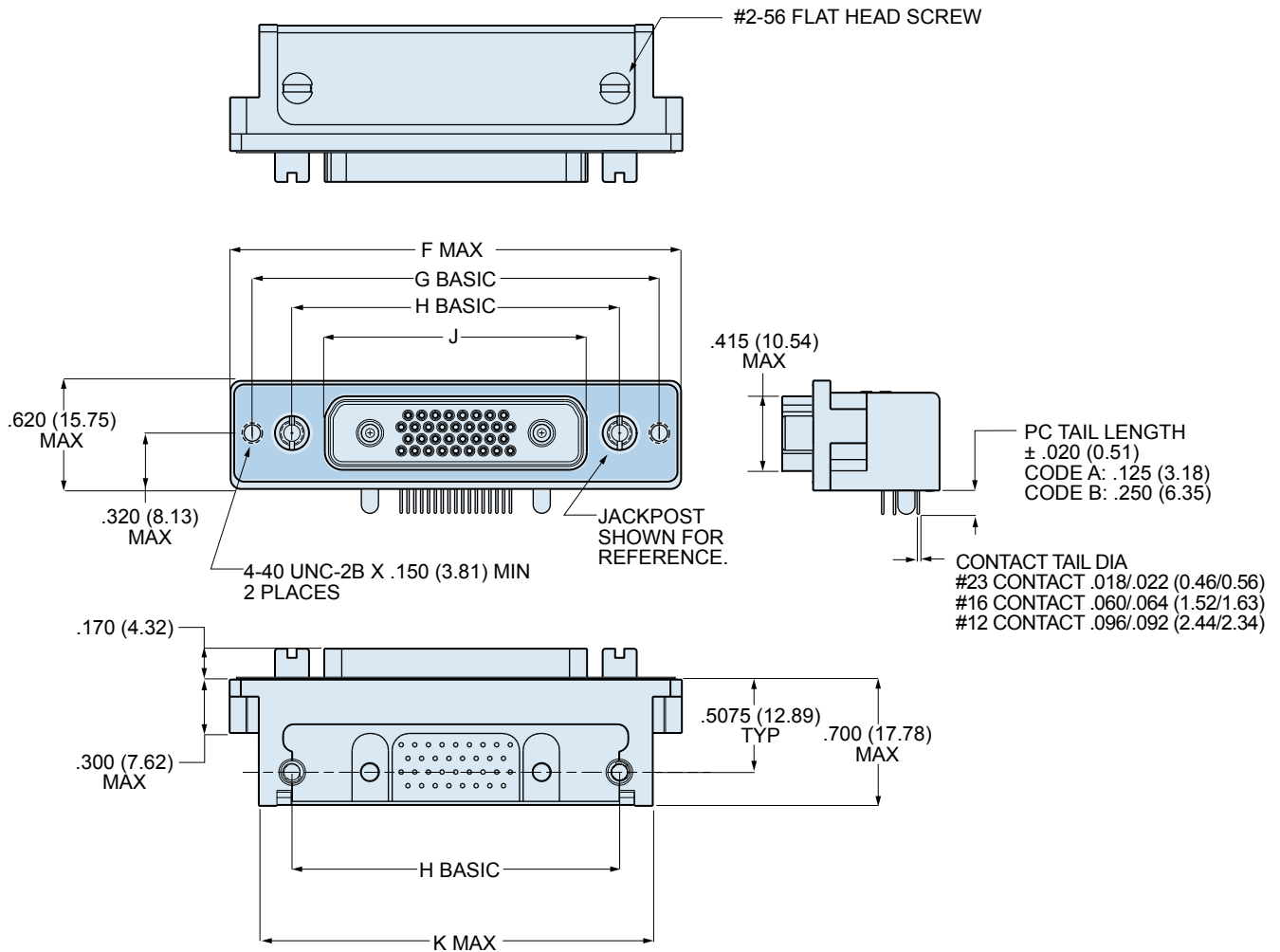


Dimensions in inches (millimeters) and are subject to change without notice.

Series 79 Micro-Crimp Section G: Right Angle Printed Circuit Board Connectors



790-036P DIMENSIONS: SHELL SIZE H AND L



| 790-036P SHELL SIZES H AND L | | | | | | | | | | |
|------------------------------|--------|-------|---------|-------|---------|-------|--------|-------|--------|-------|
| 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 | 1.450 | 36.83 | 2.045 | 51.94 |
| L | 2.736 | 69.49 | 2.472 | 62.79 | 2.036 | 51.71 | 1.686 | 42.82 | 2.281 | 57.94 |

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