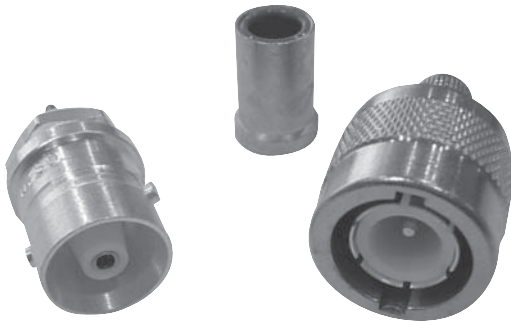




- 50 Ohm Nominal Impedance.
- Standard size connector with bayonet coupling.
- Durable brass bodies with Silver or Nickel plating.
- Overlapping dielectric interface with weatherproof features.
- Commercial and Military-Specified versions available.
- Frequency Range: Up to 11 GHz

## Specifications

### MATERIAL

|                  |                                           |
|------------------|-------------------------------------------|
| Body:            | Brass                                     |
| Crimp Sleeves:   | Commercial Bronze Alloy                   |
| Center Contacts: | Brass (Male)<br>Beryllium Copper (Female) |
| Outer Contacts:  | Beryllium Copper (Male)                   |
| Insulators:      | PTFE                                      |
| Gaskets & Seals: | Silicone Rubber                           |

### FINISHES

|                  |                  |
|------------------|------------------|
| Body:            | Silver or Nickel |
| Center Contacts: | Gold or Silver   |

### ELECTRICAL

|                  |                            |
|------------------|----------------------------|
| Impedance:       | 50 Ohms                    |
| Frequency Range: | DC to 11 GHz               |
| Voltage Rating:  | 1000 Volts RMS             |
| VSWR:            | 1.35 Max, DC to 11 GHz .15 |
| Insertion Loss:  | dB Max at 9 GHz            |

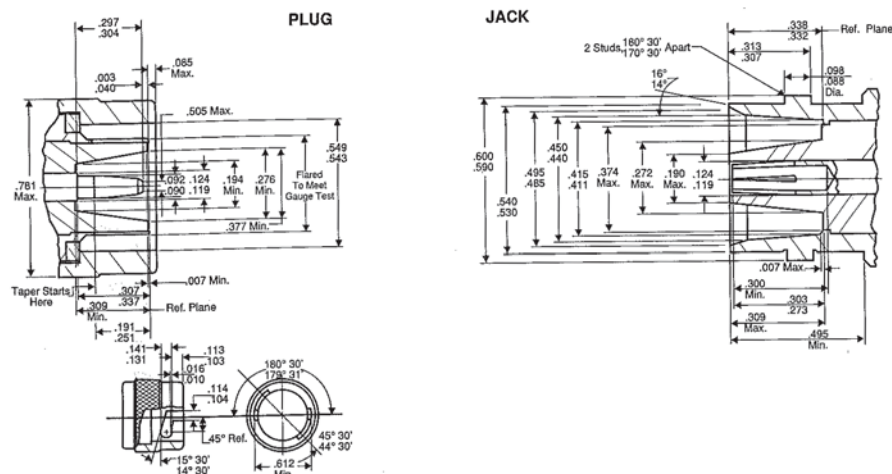
### MECHANICAL

|                  |                   |
|------------------|-------------------|
| Life:            | 500 Cycles        |
| Cable Retention: | 50 Pounds Minimum |

### ENVIRONMENTAL

|                      |                                      |
|----------------------|--------------------------------------|
| Temperature Range:   | -65° C to +165° C                    |
| Vibration:           | MIL-STD-202, Method 204, Condition B |
| Shock:               | MIL-STD-202, Method 213, Condition I |
| Corrosion:           | MIL-STD-202, Method 101, Condition B |
| Moisture Resistance: | MIL-STD-202, Method 106              |

## Interface Dimensions



## Angle Plug – Conventional

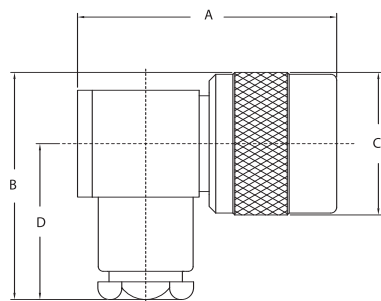


Figure 1

## Angle Plug – K-Grip

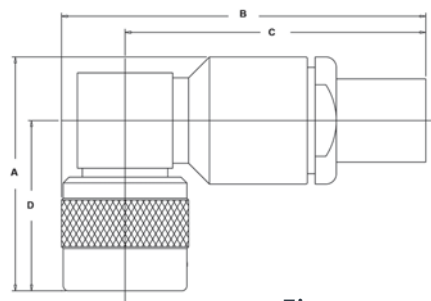


Figure 2

## Angle Plug – K-Grip, JR.

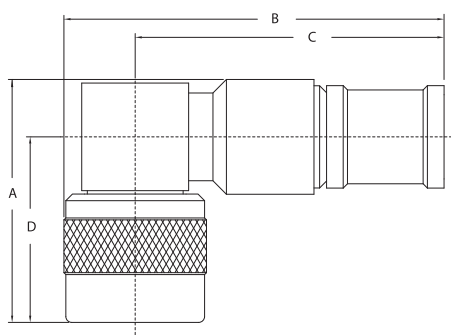


Figure 3

## Adapter – Within Series

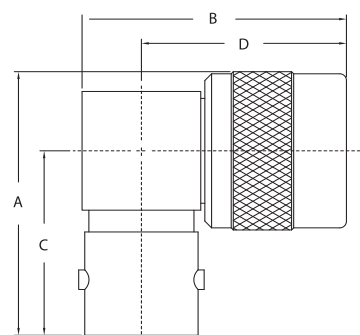


Figure 4

| Item Number   | Military PN     | Product Description              | Gender | Finish | A     | Dimensions B | C     | D     | Cable Group | Cable Procedure | Crimp Die | Mounting Hole | Figure # |
|---------------|-----------------|----------------------------------|--------|--------|-------|--------------|-------|-------|-------------|-----------------|-----------|---------------|----------|
| KD-59-47      |                 | Plug, Angle, Conventional        | M      | Silver | 1.330 | 1.200        | 0.750 | 0.820 | DE          | CP-1025         |           |               | 1        |
| KD-59-84      |                 | Plug, Angle, Conventional        | M      | Nickel | 1.350 | 1.620        | 0.750 | 0.970 | MN          | CP-1030         |           |               | 1        |
| KD-59-134     | M39012/10-0001  | Plug, Angle, Conventional        | M      | Silver | 1.360 | 1.640        | 0.780 | 1.260 | N1          | D-59-134-5      |           |               | 1        |
| KD-59-26      |                 | Plug, Angle, Crimp               | M      | Silver | 1.350 | 2.110        | 1.740 | 0.970 | E1          | CP-5406         | KTH-2004  |               | 2        |
| KD-59-110     |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.270 | 2.160        | 1.780 | 0.970 | 2           | CP-5402         | KTH-1079  |               | 3        |
| KD-59-126     |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.300 | 2.080        | 1.720 | 0.970 | 45          | CP-5406         | KTH-2103  |               | 3        |
| KD-59-187 M06 |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.270 | 1.910        | 1.540 | 0.970 | 12          | CP-5402         | KTH-2127  |               | 3        |
| 796-15-9      |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.300 | 2.090        | 1.710 | 0.970 | 16          | 3-546-2         | KTH-2211  |               | 3        |
| 796-17-9      |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.300 | 2.050        | 1.670 | 0.970 | 17          | 3-546-2         | KTH-2231  |               | 3        |
| 796-18-9      |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.300 | 2.150        | 1.770 | 0.970 | 18          | 3-546-2         | KTH-2212  |               | 3        |
| KD-59-110 M07 |                 | Plug, Angle, Crimp, Weatherproof | M      | Silver | 1.270 | 2.000        | 1.630 | 0.970 | 2           | CP-5402         | KTH-1079  |               | 3        |
| 796-11-9      |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.300 | 2.340        | 1.960 | 0.970 | 9           | 3-440-2         | KTH-2062  |               | 3        |
| KD-59-129     |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.300 | 2.110        | 1.740 | 0.970 | D           | CP-5406         | KTH-2101  |               | 3        |
| KD-59-202 M06 |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.300 | 2.110        | 1.740 | 0.970 | E           | CP-5406         | KTH-2101  |               | 3        |
| KD-59-193 M06 |                 | Plug, Angle, Crimp, Weatherproof | M      | Nickel | 1.270 | 2.000        | 1.630 | 0.970 | N3          | S-89-24-6       | KTH-2105  |               | 3        |
| 799-5         | M55339/10-00567 | Adapter, Angle                   | M-F    | Silver | 1.250 | 1.270        | 0.880 | 0.970 |             |                 |           |               | 4        |
| 798-7-9       |                 | Dust Cap                         | M      | Nickel | 0.685 | 0.781        |       |       |             |                 |           |               | N/S      |
| KD-89-08      | M39012/25-0002  | Dust Cap & Safety Chain          | M      | Silver | 0.910 | 0.750        | 3.500 |       |             |                 |           |               | N/S      |

## Plugs – Conventional

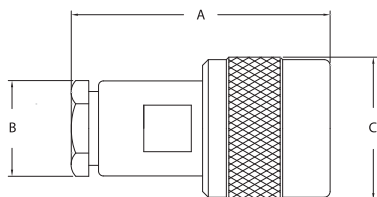


Figure 5

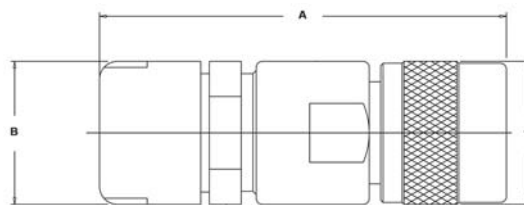


Figure 6

## Plugs – K-Grip, JR.

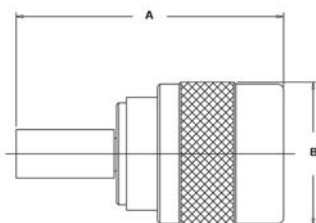


Figure 7

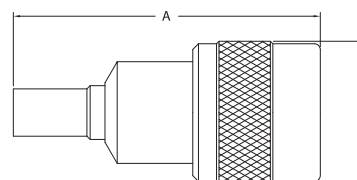


Figure 8

| Item Number   | Military PN    | Product Description       | Gender | Finish | Dimensions |       |       |   | Cable Group | Cable Procedure | Crimp Die | Mounting Hole | Figure # |
|---------------|----------------|---------------------------|--------|--------|------------|-------|-------|---|-------------|-----------------|-----------|---------------|----------|
|               |                |                           |        |        | A          | B     | C     | D |             |                 |           |               |          |
| KD-59-130     | M39012/15-0002 | Plug, Conventional        | M      | Silver | 1.340      | 0.500 | 0.750 |   | DE          | CP-1015         |           |               | 5        |
| KD-59-135     | M39012/15-0001 | Plug, Conventional        | M      | Silver | 1.360      | 0.500 | 0.750 |   | G1          | CP-1013-3       |           |               | 5        |
| KD-59-132     | M39012/16-0001 | Plug, Conventional        | M      | Silver | 1.300      | 0.750 | 0.750 |   | K1          | CP-1022         |           |               | 5        |
| 795-10-5      | M39012/06-0014 | Plug, Conventional        | M      | Silver | 1.470      | 0.750 | 0.750 |   | K1          | CP-1016         |           |               | 5        |
| KD-59-119     | M39012/06-0002 | Plug, Conventional        | M      | Silver | 1.470      | 0.750 | 0.750 |   | MN          | CP-1022         |           |               | 5        |
| 795-9-5       | M39012/06-0015 | Plug, Conventional        | M      | Silver | 1.450      | 0.750 | 0.750 |   | N1          | CP-1016         |           |               | 5        |
| KD-59-133     | M39012/06-0003 | Plug, Conventional        | M      | Silver | 1.630      | 0.880 | 0.750 |   | R           | CP-1040         |           |               | 5        |
| UG-943 B/U    |                | Plug, Conventional        | M      | Silver | 2.130      | 0.750 | 0.750 |   | U           | CP-1040         |           |               | 6        |
| KD-59-63      |                | Plug, Crimp               | M      | Silver | 1.400      | 0.750 |       |   | E1          | CP-403          | KTH-2001  |               | 7        |
| KD-59-125     |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.630      | 0.750 |       |   | 45          | CP-5406         | KTH-2103  |               | 8        |
| KD-59-186 M06 |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.500      | 0.750 |       |   | 12          | CP-5402         | KTH-2127  |               | 8        |
| 795-15-9      |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.615      | 0.781 |       |   | 16          | 3-546-2         | KTH-2211  |               | 8        |
| 795-21-9      |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.660      | 0.781 |       |   | 17          | 3-546-2         | KTH-2231  |               | 8        |
| 795-16-9      |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.400      | 0.781 |       |   | 18          | 3-546-2         | KTH-2212  |               | 8        |
| 795-23-9      |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.500      | 0.781 |       |   | 18          | 3-546-2         | KTH-2213  |               | 8        |
| KD-59-164     |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.500      | 0.750 |       |   | 2           | CP-5402         | KTH-1079  |               | 8        |
| 795-20-9      |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.800      | 0.781 |       |   | 20          | 3-546-2         | KTH-2229  |               | 8        |
| 795-13-9      |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.310      | 0.750 |       |   | 9           | 3-440-2         | KTH-2062  |               | 8        |
| KD-59-161     |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.660      | 0.750 |       |   | D           | CP-5406         | KTH-2101  |               | 8        |
| KD-59-201 M06 |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.660      | 0.750 |       |   | E1          | CP-5406         | KTH-2101  |               | 8        |
| 795-30-9      |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.500      | 0.750 |       |   | E1          | CP-5402         | KTH-2105  |               | 8        |
| KD-59-180 M06 |                | Plug, Crimp, Weatherproof | M      | Nickel | 1.500      | 0.750 |       |   | N3          | CP-5402         | KTH-2105  |               | 8        |

## Bulkhead Jacks – Conventional

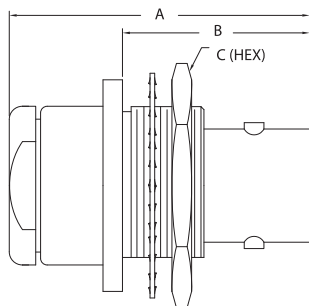


Figure 9

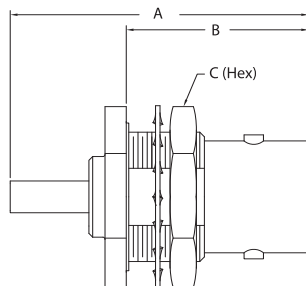


Figure 10

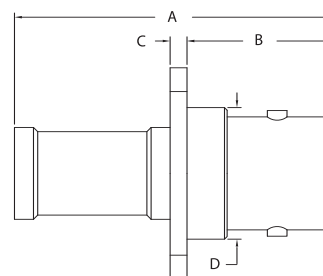


Figure 11

## Panel Receptacle

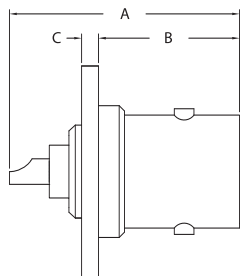


Figure 12

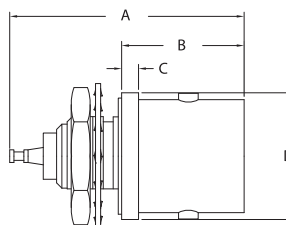


Figure 13

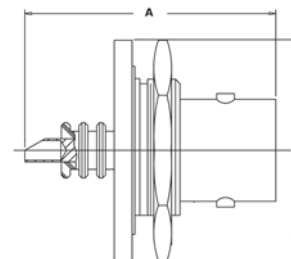


Figure 14

| Item Number   | Military PN    | Product Description                     | Gender | Finish | A     | B     | C     | D     | Cable Group | Cable Procedure | Crimp Die | Mounting Hole | Figure # |
|---------------|----------------|-----------------------------------------|--------|--------|-------|-------|-------|-------|-------------|-----------------|-----------|---------------|----------|
| KD-19-65      | M39012/09-0002 | Jack, Bulkhd, Conventional, Front Mt.   | F      | Silver | 1.270 | 0.590 |       |       | DE          | 704C-1          |           | I             | N/S      |
| KD-19-61      | M39012/11-0001 | Jack, Bulkhd, Conventional, Rear Mt.    | F      | Silver | 1.420 | 0.890 |       |       | K           | 573C-1          |           | J             | 9        |
| KD-19-73      | M39012/11-0002 | Jack, Bulkhd, Conventional, Rear Mt.    | F      | Silver | 1.420 | 0.890 |       |       | MN          | 573C-1          |           | I             | 9        |
| KD-19-72      | M39012/08-0001 | Jack, Panel, Conventional               | F      | Silver | 1.375 | 0.688 | 0.078 | 0.630 | MN          | CP-1002         |           |               | N/S      |
| KD-19-110     |                | Jack, Bulkhd, Crimp, Rear Mt.           | F      | Silver | 1.500 | 0.860 | 0.880 |       | B2          | CP-5458         | KTH-2021  | I             | 10       |
| KD-19-93      |                | Jack, Bulkhd, Crimp, Rear Mt.           | F      | Silver | 1.470 | 0.750 |       |       | D           | CP-412          | KTH-2001  | J             | 10       |
| KD-19-101     |                | Jack, Bulkhd, Crimp, Rear Mt.           | F      | Silver | 1.810 | 0.890 |       |       | N           | CP-480          | KTH-2004  | J             | 10       |
| KD-19-69      |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.390 | 0.490 | 0.080 | 0.500 | 45          | CP-5406         | KTH-2103  |               | 11       |
| KD-19-105 M06 |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.510 | 0.690 | 0.080 | 0.620 | 12          | CP-5402         | KTH-2127  |               | 11       |
| 791-9-9       |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.360 | 0.690 | 0.080 | 0.620 | 16          | 3-546-2         | KTH-2211  |               | 11       |
| 791-8-9       |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.390 | 0.690 | 0.080 | 0.620 | 17          | 3-546-2         | KTH-2231  |               | 11       |
| 791-6-9       |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.410 | 0.690 | 0.080 | 0.620 | 18          | 3-546-2         | KTH-2212  |               | 11       |
| KD-19-66      |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.510 | 0.690 | 0.080 | 0.620 | 2           | CP-5402         | KTH-1079  |               | 11       |
| KD-19-68      |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.390 | 0.530 | 0.080 | 0.500 | D           | CP-5406         | KTH-2101  |               | 11       |
| KD-19-67      |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.390 | 0.490 | 0.080 | 0.500 | E1          | CP-5406         | KTH-2101  |               | 11       |
| KD-19-104 M06 |                | Jack, Panel, Crimp, Weatherproof        | F      | Nickel | 1.510 | 0.690 | 0.080 | 0.620 | N3          | CP-5402         | KTH-2105  |               | 11       |
| 791-10-9      |                | Jack, Panel, Crimp, Locking Thread, W/P | F      | Nickel | 1.410 | 0.690 | 0.080 | 0.620 | 18          | 3-546-2         | KTH-2212  |               | 11       |
| KD-79-19      |                | Receptacle, Panel                       | F      | Nickel | 1.080 | 0.670 | 0.080 |       |             | SOLDER          |           |               | 12       |
| KD-79-14      | M39012/12-0001 | Receptacle, Panel                       | F      | Silver | 1.080 | 0.670 | 0.080 |       |             | SOLDER          |           |               | 12       |
| 794-3-9       |                | Receptacle, Bulkhd, Front Mt            | F      | Nickel | 1.110 | 0.580 | 0.080 | 0.690 |             | SOLDER          |           | H             | 13       |
| KD-79-13      | M39012/13-0001 | Receptacle, Bulkhd, Front Mt            | F      | Silver | 1.110 | 0.580 | 0.800 | 0.600 |             | SOLDER          |           | H             | 13       |
| 794-4-9       |                | Receptacle, Bulkhd, Rear Mt             | F      | Silver | 1.310 |       |       | 1.000 |             | SOLDER          |           | J             | 14       |