

**Performance Data Summary**  
For Gold Plated Crimp Style Coaxial Connectors

**Mechanical**

**Captive Contacts** — Terminated connector contacts captivated from movement in both directions.

**Cable Retention** —  
50 Ohm connectors, 15 lb. min.  
70 Ohm connectors, 25 lb. min.  
93 Ohm connectors, 25 lb. min.

**Recommended Coupling Torque (Threaded Interface)** —  
8 inch/pounds max. [.904 Nm]

**Recommended Receptacle Mounting Torque (Threaded Interface)** — 8 inch/pounds max. [.904 Nm]

**Contact Protection (Unmated)** —  
Pin contact protected by coupling nut.  
Socket protected by insulator and housing.

**Assembly Methods**

**Straight Plugs & Jacks** — Cable Inner Conductor: Crimped to contact. Cable Shield: Crimped under housing.

**Right-Angle Plugs** — Cable Inner Conductor: Crimped to contact. Cable Shield: Crimped under housing.

**Environmental**

**Temperature Range (Continuous Service)** — -80°F to +392°F. [-62°C to +200°C].

**Vibration**<sup>1,2</sup> — MIL-STD-202, Method 204, Test condition B (15 G peak). No physical damage or electrical discontinuities in excess of 1 microsecond.

**Shock**<sup>1,2</sup> — MIL-STD-202, Method 213, Test Condition H. No physical damage or electrical discontinuity after shock.

**Thermal Shock** — MIL-STD-202, Method 107, Test Condition C.

**Moisture Resistance**<sup>1</sup> — MIL-STD-202, Method 106.

**Salt Spray**<sup>1</sup> — MIL-STD-202, Method 101, Test Condition B (48 hours).

**Electrical**

**Impedance** — Designed to be compatible with 50, 70, or 93 Ohm miniature coaxial cable.

**Dielectric Withstanding Voltage** — 1000 volts RMS at sea level.

**Contact Resistance** — 4 milliohms max., D.C.

**Contact Capacity** — 3 amps, D.C.

**Insulation Resistance** —  $5 \times 10^3$  Megohms min. @ 500 volts D.C.

**Voltage Standing Wave Ratio<sup>3</sup> (VSWR)** — Typical 50 Ohm series, 1.2 max. to 2 GHz.

**Materials**

**Housing, Nut, Inner Sleeve** — Brass per ASTM-B-16, 35% Zinc.

**Insulator** — TEFLON per ASTM-D-1710.

**Pin & Socket Contacts** — Beryllium Copper per ASTM-B-196.

**Middle Sleeve** — Copper Alloy.

**Facial Seal<sup>4</sup>, Sealing Sleeve & Gasket** — Silicone Rubber per ZZ-R-765.

**Lockwasher** — #425 Bronze Alloy.

**Plating**

**Contacts, Housing, Nut, Inner Sleeve, Middle Sleeve, Lockwasher** — Gold per MIL-G-45204, Type II, Grade C, Class 1.

**NOTES:**

<sup>1</sup>Screw-On Series threaded interface.

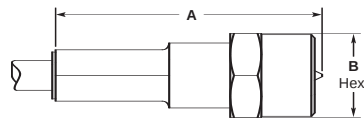
<sup>2</sup>Tyco Electronics recommends the use of wired connectors in vibration and shock environments. See individual specifications for connectors with wire holes.

<sup>3</sup>VSWR is a system specification. Where performance is critical, purchase Tyco Electronics cable assemblies (See page 127) and specify VSWR testing and mating connector part numbers.

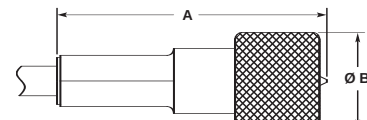


**Gold Plated Crimp Style Coaxial Connectors — Screw-On Series**

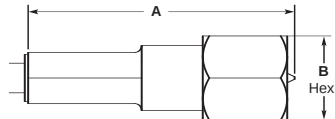
**Straight Plugs**



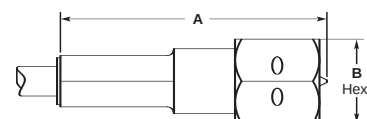
**Fig. 1**  
Partial Hex. Nut



**Fig. 2**  
Knurl Nut



**Fig. 3**  
Full Hex. Nut



**Fig. 4**  
Hex. Nut w/ 3 Safety Wire Holes

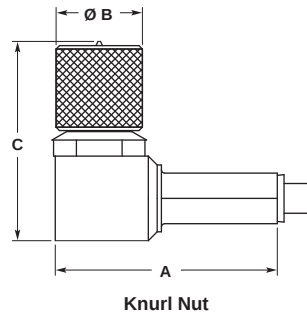
| Part No.                                            | Fig. | Dim. A        | Dim. B       | Cable Max.   | Special Features                          | Instruction Sheet No. | Former MICRODOT I.S. No. |
|-----------------------------------------------------|------|---------------|--------------|--------------|-------------------------------------------|-----------------------|--------------------------|
| <b>50 Ohm Series .190 [4.83] -32 UNF-2B Thread</b>  |      |               |              |              |                                           |                       |                          |
| 132-0112-0001                                       | 1    | .800<br>20.32 | .250<br>6.35 | .088<br>2.24 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0112-0002                                       | 2    | .800<br>20.32 | .250<br>6.35 | .088<br>2.24 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0112-0003                                       | 3    | .800<br>20.32 | .250<br>6.35 | .088<br>2.24 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0112-0004                                       | 4    | .800<br>20.32 | .250<br>6.35 | .088<br>2.24 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0113-0001                                       | 1    | .800<br>20.32 | .250<br>6.35 | .088<br>2.24 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0113-0002                                       | 2    | .800<br>20.32 | .250<br>6.35 | .088<br>2.24 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0113-0003                                       | 3    | .800<br>20.32 | .250<br>6.35 | .088<br>2.24 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0113-0004                                       | 4    | .800<br>20.32 | .250<br>6.35 | .088<br>2.24 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0114-0001                                       | 1    | .800<br>20.32 | .250<br>6.35 | .110<br>2.79 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0114-0002                                       | 2    | .800<br>20.32 | .250<br>6.35 | .110<br>2.79 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0114-0003                                       | 3    | .800<br>20.32 | .250<br>6.35 | .110<br>2.79 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0114-0004                                       | 4    | .800<br>20.32 | .250<br>6.35 | .110<br>2.79 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0115-0001                                       | 1    | .800<br>20.32 | .250<br>6.35 | .110<br>2.79 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0115-0002                                       | 2    | .800<br>20.32 | .250<br>6.35 | .110<br>2.79 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0115-0003                                       | 3    | .800<br>20.32 | .250<br>6.35 | .110<br>2.79 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0115-0004                                       | 4    | .800<br>20.32 | .250<br>6.35 | .110<br>2.79 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0509-0002                                       | 2    | .800<br>20.32 | .250<br>6.35 | .116<br>2.95 | Dual shield cable version of RG 188 & 316 | 408-08508             | RF-ASMB-8                |
| <b>70 Ohm Series .216 [5.49] -32 UNEF-2B Thread</b> |      |               |              |              |                                           |                       |                          |
| 132-0200-0001                                       | 1    | .800<br>20.32 | .281<br>7.14 | .110<br>2.79 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0200-0002                                       | 2    | .800<br>20.32 | .290<br>7.37 | .110<br>2.79 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0200-0003                                       | 3    | .800<br>20.32 | .281<br>7.14 | .110<br>2.79 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0200-0004                                       | 4    | .800<br>20.32 | .281<br>7.14 | .110<br>2.79 |                                           | 408-08508             | RF-ASMB-8                |
| 132-0201-0001                                       | 1    | .800<br>20.32 | .281<br>7.14 | .110<br>2.79 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0201-0002                                       | 2    | .800<br>20.32 | .290<br>7.37 | .110<br>2.79 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0201-0003                                       | 3    | .800<br>20.32 | .281<br>7.14 | .110<br>2.79 | With environmental seal                   | 408-08508             | RF-ASMB-8                |
| 132-0201-0004                                       | 4    | .800<br>20.32 | .281<br>7.14 | .110<br>2.79 | With environmental seal                   | 408-08508             | RF-ASMB-8                |

**Gold Plated Crimp Style Coaxial Connectors — Screw-On Series (Continued)**

**Straight Plugs (Continued)**

| Part No.                                            | Fig. | Dim. A        | Dim. B       | Cable Max.   | Special Features        | Instruction Sheet No. | Former MICRODOT I.S. No. |
|-----------------------------------------------------|------|---------------|--------------|--------------|-------------------------|-----------------------|--------------------------|
| <b>93 Ohm Series .250 [6.35] -32 UNEF-2B Thread</b> |      |               |              |              |                         |                       |                          |
| 132-0300-0001                                       | 1    | .795<br>20.19 | .312<br>7.92 | .155<br>3.94 |                         | 408-08508             | RF-ASMB-8                |
| 132-0300-0002                                       | 2    | .795<br>20.19 | .320<br>8.13 | .155<br>3.94 |                         | 408-08508             | RF-ASMB-8                |
| 132-0300-0003                                       | 3    | .795<br>20.19 | .312<br>7.92 | .155<br>3.94 |                         | 408-08508             | RF-ASMB-8                |
| 132-0300-0004                                       | 4    | .795<br>20.19 | .312<br>7.92 | .155<br>3.94 |                         | 408-08508             | RF-ASMB-8                |
| 132-0301-0001                                       | 1    | .795<br>20.19 | .312<br>7.92 | .155<br>3.94 | With environmental seal | 408-08508             | RF-ASMB-8                |
| 132-0301-0002                                       | 2    | .795<br>20.19 | .320<br>8.13 | .155<br>3.94 | With environmental seal | 408-08508             | RF-ASMB-8                |
| 132-0301-0003                                       | 3    | .795<br>20.19 | .312<br>7.92 | .155<br>3.94 | With environmental seal | 408-08508             | RF-ASMB-8                |
| 132-0301-0004                                       | 4    | .795<br>20.19 | .312<br>7.92 | .155<br>3.94 | With environmental seal | 408-08508             | RF-ASMB-8                |

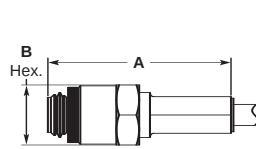
**Right-Angle Plugs**



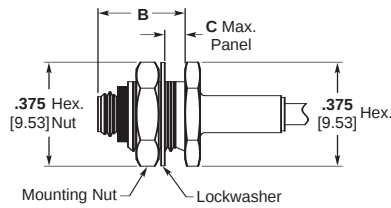
| Part No.                                            | Dim. A        | Dim. B       | Dim. C        | Cable Jacket Max. | Special Features        | Instruction Sheet No. | Former MICRODOT I.S. No. |
|-----------------------------------------------------|---------------|--------------|---------------|-------------------|-------------------------|-----------------------|--------------------------|
| <b>50 Ohm Series .190 [4.83] -32 UNF-2B Thread</b>  |               |              |               |                   |                         |                       |                          |
| 132-0116-0002                                       | .660<br>16.76 | .250<br>6.35 | .620<br>15.75 | .088<br>2.24      |                         | 408-08509             | RF-ASMB-11               |
| 132-0117-0002                                       | .660<br>16.76 | .250<br>6.35 | .620<br>15.75 | .088<br>2.24      | With environmental seal | 408-08509             | RF-ASMB-11               |
| 132-0118-0002                                       | .695<br>17.65 | .250<br>6.35 | .650<br>16.51 | .110<br>2.79      |                         | 408-08509             | RF-ASMB-11               |
| 132-0119-0002                                       | .695<br>17.65 | .250<br>6.35 | .650<br>16.51 | .110<br>2.79      | With environmental seal | 408-08509             | RF-ASMB-11               |
| <b>70 Ohm Series .216 [5.49] -32 UNEF-2B Thread</b> |               |              |               |                   |                         |                       |                          |
| 132-0202-0002                                       | .695<br>17.65 | .290<br>7.37 | .650<br>16.51 | .110<br>2.79      |                         | 408-08509             | RF-ASMB-11               |
| 132-0203-0002                                       | .695<br>17.65 | .290<br>7.37 | .650<br>16.51 | .110<br>2.79      | With environmental seal | 408-08509             | RF-ASMB-11               |
| <b>93 Ohm Series .250 [6.35] -32 UNEF-2B Thread</b> |               |              |               |                   |                         |                       |                          |
| 132-0302-0002                                       | .710<br>18.03 | .320<br>8.13 | .680<br>17.27 | .155<br>3.94      |                         | 408-08509             | RF-ASMB-11               |
| 132-0303-0002                                       | .710<br>18.03 | .320<br>8.13 | .680<br>17.27 | .155<br>3.94      | With environmental seal | 408-08509             | RF-ASMB-11               |

**Gold Plated Crimp Style Coaxial Connectors — Screw-On Series (Continued)**

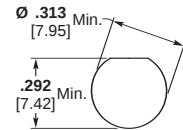
**Jacks**



**Fig. 1**



**Fig. 2**



**Mounting Hole**

| Part No.                                            | Fig. | Dim. A        | Dim. B       | Dim. C       | Cable Jacket Max. | Special Features                             | Instruction Sheet No. | Former MICRODOT I.S. No. |
|-----------------------------------------------------|------|---------------|--------------|--------------|-------------------|----------------------------------------------|-----------------------|--------------------------|
| <b>50 Ohm Series .190 [4.83] -32 UNF-2B Thread</b>  |      |               |              |              |                   |                                              |                       |                          |
| 131-0134-0001                                       | 1    | .770<br>19.56 | .250<br>6.35 | —            | .088<br>2.24      |                                              | 408-08508             | RF-ASMB-8                |
| 131-0135-0001                                       | 2    | .770<br>19.56 | .360<br>9.14 | .105<br>2.67 | .088<br>2.24      |                                              | 408-08508             | RF-ASMB-8                |
| 131-0136-0001                                       | 1    | .770<br>19.56 | .250<br>6.35 | —            | .110<br>2.79      |                                              | 408-08508             | RF-ASMB-8                |
| 131-0137-0001                                       | 2    | .770<br>19.56 | .360<br>9.14 | .105<br>2.67 | .110<br>2.79      |                                              | 408-08508             | RF-ASMB-8                |
| 131-0150-0001                                       | 1    | .770<br>19.56 | .250<br>6.35 | —            | .116<br>2.95      | Dual Shield Cable<br>Version of RG 188 & 316 | 408-08508             | RF-ASMB-8                |
| 131-0151-0001                                       | 2    | .770<br>19.56 | .360<br>9.14 | .105<br>2.67 | .116<br>2.95      | Dual Shield Cable<br>Version of RG 188 & 316 | 408-08508             | RF-ASMB-8                |
| <b>70 Ohm Series .216 [5.49] -32 UNEF-2B Thread</b> |      |               |              |              |                   |                                              |                       |                          |
| 131-0200-0001                                       | 1    | .770<br>19.56 | .281<br>7.14 | —            | .110<br>2.79      |                                              | 408-08508             | RF-ASMB-8                |
| 131-0201-0001                                       | 2    | .770<br>19.56 | .360<br>9.14 | .100<br>2.54 | .110<br>2.79      |                                              | 408-08508             | RF-ASMB-8                |
| <b>93 Ohm Series .250 [6.35] -32 UNEF-2B Thread</b> |      |               |              |              |                   |                                              |                       |                          |
| 131-0300-0001                                       | 1    | .760<br>19.30 | .312<br>7.92 | —            | .155<br>3.94      |                                              | 408-08508             | RF-ASMB-8                |
| 131-0301-0001                                       | 2    | .760<br>19.30 | .350<br>8.89 | .095<br>2.41 | .155<br>3.94      |                                              | 408-08508             | RF-ASMB-8                |

**Gold Plated Crimp Style Coaxial Connectors — Screw-On Series (Continued)**

**Receptacles**

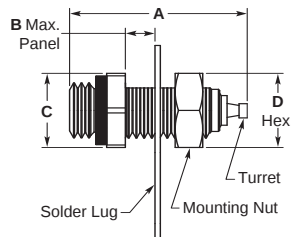


Fig. 1

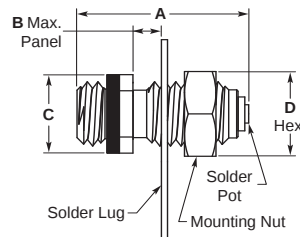
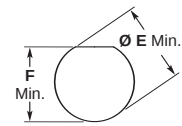


Fig. 2



Mounting Hole for Fig. 1 & 2

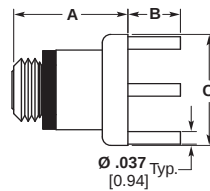


Fig. 3

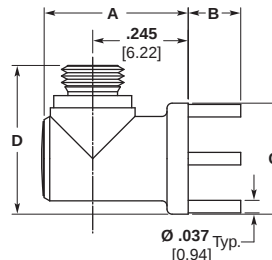
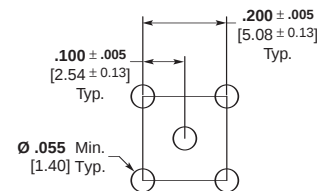


Fig. 4



Mounting Pattern for Fig. 3 & 4

| Part No.                                            | Fig. | Dim. A        | Dim. B       | Dim. C                    | Dim. D        | Dim. E                | Dim. F       | Special Features                         |
|-----------------------------------------------------|------|---------------|--------------|---------------------------|---------------|-----------------------|--------------|------------------------------------------|
| <b>50 Ohm Series .190 [4.83] -32 UNF-2A Thread</b>  |      |               |              |                           |               |                       |              |                                          |
| 131-0138-0002                                       | 1    | .605<br>15.37 | .160<br>4.06 | .250<br>6.35 Hex.         | .250<br>6.35  | .191<br>4.85          | .173<br>4.39 |                                          |
| 131-0139-0002                                       | 2    | .515<br>13.08 | .150<br>3.81 | .187<br>4.75 Wrench Flats | .250<br>6.35  | .191<br>4.85          | —            | No Mounting Flat                         |
| 131-0140-0001                                       | 2    | .255<br>6.48  | —            | .187<br>4.75 Wrench Flats | —             | .190<br>4.83 -32 Thd. | —            | No Nut or Solder Lug, Threads into Panel |
| 131-0141-0002                                       | 3    | .340<br>8.64  | .155<br>3.94 | .330<br>8.38 Dia.         | —             | —                     | —            |                                          |
| 131-0142-0002                                       | 4    | .425<br>10.80 | .155<br>3.94 | .330<br>8.38 Dia.         | .480<br>12.19 | —                     | —            |                                          |
| <b>70 Ohm Series .216 [5.49] -32 UNEF-2A Thread</b> |      |               |              |                           |               |                       |              |                                          |
| 131-0202-0002                                       | 1    | .605<br>15.37 | .160<br>4.06 | .250<br>6.35 Hex.         | .281<br>7.14  | .217<br>5.51          | .197<br>5.00 |                                          |
| 131-0705-0001                                       | 3    | .340<br>8.64  | .155<br>3.94 | .330<br>8.38 Dia.         | —             | —                     | —            |                                          |
| <b>93 Ohm Series .250 [6.35] -32 UNEF-2A Thread</b> |      |               |              |                           |               |                       |              |                                          |
| 131-0303-0002                                       | 3    | .340<br>8.64  | .155<br>3.94 | .330<br>8.38 Dia.         | —             | —                     | —            |                                          |
| 131-0304-0001                                       | 4    | .425<br>10.80 | .155<br>3.94 | .330<br>8.38 Dia.         | .480<br>12.19 | —                     | —            |                                          |
| 131-0904-0001                                       | 1    | .605<br>15.37 | .160<br>4.06 | .312<br>7.92 Hex.         | .312<br>7.92  | .251<br>6.38          | .232<br>5.89 |                                          |

**Gold Plated Crimp Style Coaxial Connectors Assembly Tools**

**Table 1. Contact Crimp Tools**

| MICRODOT Part No. | Manufacturers Part No. |
|-------------------|------------------------|
| 010-0065-0000     | Astro Tool A-810-3     |

**Table 2. Housing Crimp Tools**

| MICRODOT Part No. | Thomas & Betts Part No. | Max. Cable Diameter |
|-------------------|-------------------------|---------------------|
| 010-0081-0000     | WT-400                  | .088 [2.24]         |
| 010-0082-0000     | WT-402                  | .110 [2.79]         |
| 010-0083-0000     | WT-406                  | .155 [3.94]         |

