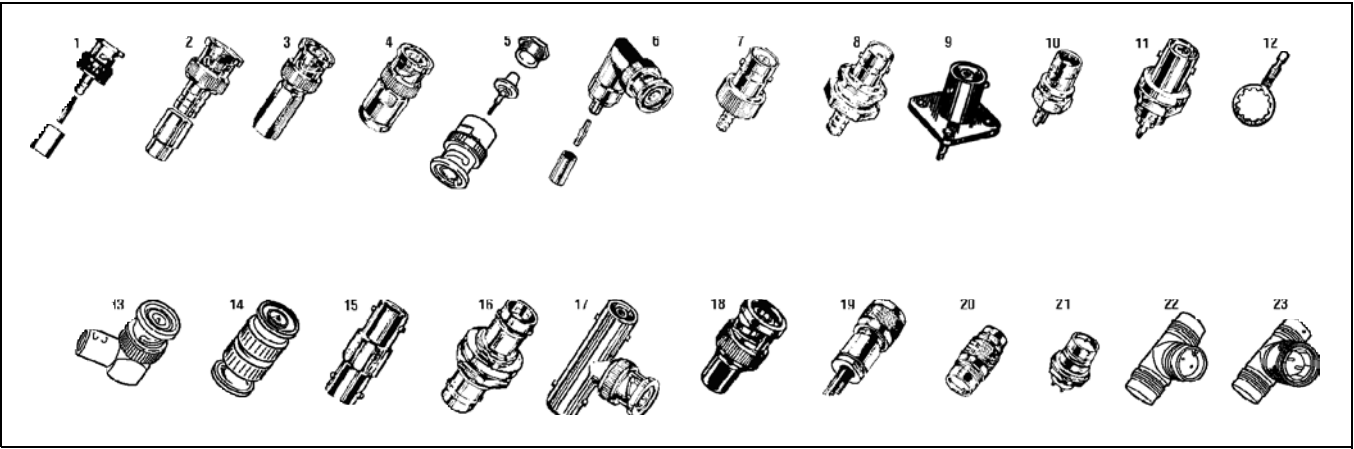




**Note:** These connectors meet or exceed military specification, but aren't on the RPL and are intended for commercial use only. Military specification numbers, where shown, are for reference only.

RFX™ Commercial Coaxial Connectors

**BNC 3-Piece Crimp-Type Plugs**  
Miniature bayonet-lock units. **Materials:** Body — brass or diecast brass. **Plating:** Nickel. **Contacts:** Male — brass, gold plated; Female — phosphor bronze, gold plated. **Insulator:** Delrin or Teflon (where noted). **Frequency:** 50 Ω — 0.4GHz, 750 Ω — 0-1 GHz.

8

| Stock No. | Mfr.'s Type   | Fig. | RG/U Cable             | Cable Attachment |       | Imp.   | EACH |       |         |
|-----------|---------------|------|------------------------|------------------|-------|--------|------|-------|---------|
|           |               |      |                        | Outer            | Inner |        | 1-24 | 25-99 | 100-249 |
| 713-9000  | 31-5558-RFX   | 1    | 6 (0.314" O.D.)        | Crimp            | Crimp | 50 ohm | 3.01 | 2.28  | 1.83    |
| 713-9004  | 31-71000-RFX  | 1    | 6                      | Crimp            | Crimp | 75 ohm | 2.49 | 1.98  | 1.68    |
| 713-9005  | 31-320-RFX    | 1    | 58, 141                | Crimp            | Crimp | 50 ohm | 1.54 | 1.22  | 1.04    |
| 713-9007  | 36650-3RFX    | 1    | Plenum 58              | Crimp            | Crimp | 50 ohm | 1.30 | 1.09  | .93     |
| 713-9010  | 31-321-RFX    | 1    | 59, 62                 | Crimp            | Crimp | 50 ohm | 1.48 | 1.17  | 1.00    |
| 713-9006  | 31-71008-RFX  | 1    | 59, 62                 | Crimp            | Crimp | 75 ohm | 1.40 | 1.11  | .95     |
| 713-9003  | 31-71008-1RFX | 1    | 59 (20 AWG ctr. cond.) | Crimp            | Crimp | 75 ohm | 1.49 | 1.18  | 1.01    |
| 713-9011  | 68175-5RFX    | 1    | 59 (20 AWG ctr. cond.) | Crimp            | Crimp | 50 ohm | 1.49 | 1.17  | 1.00    |
| 713-9012  | 68175-11RFX   | 1    | Plenum 59              | Crimp            | Crimp | 50 ohm | 1.72 | 1.36  | 1.17    |
| 713-9020  | 31-242-RFX    | 1    | 179, 187               | Crimp            | Crimp | 50 ohm | 2.10 | 1.63  | 1.37    |
| 713-9008  | 31-71013-RFX  | 1    | 179, 187               | Crimp            | Crimp | 75 ohm | 1.80 | 1.43  | 1.22    |
| 713-9015  | 31-315-RFX    | 1    | 174, 188, 316          | Crimp            | Crimp | 50 ohm | 1.92 | 1.53  | 1.29    |
| 713-9025  | 31-321-10RFX  | 1    | Belden 8281            | Crimp            | Crimp | 50 ohm | 1.87 | 1.48  | 1.26    |

\*20 AWG Center Cond.

BNC 2-Piece Single Crimp Plugs

|          |             |   |               |       |           |        |      |      |      |
|----------|-------------|---|---------------|-------|-----------|--------|------|------|------|
| 713-9030 | 31-5557-RFX | 2 | 58, 141, 142  | Crimp | Press fit | 50 ohm | 1.96 | 1.56 | 1.33 |
| 713-9040 | 31-5556-RFX | 2 | 59, 62        | Crimp | Press fit | 50 ohm | 2.05 | 1.63 | 1.38 |
| 713-9045 | 31-5560-RFX | 2 | Plenum 59, 62 | Crimp | Press fit | 50 ohm | 2.05 | 1.56 | 1.31 |

BNC SureTwist® Plugs

|          |             |   |    |            |   |        |      |      |      |
|----------|-------------|---|----|------------|---|--------|------|------|------|
| 713-9050 | 31-5137-RFX | 3 | 58 | SureTwist® | — | 50 ohm | 1.80 | 1.43 | 1.22 |
| 713-9055 | 31-5136-RFX | 3 | 59 | SureTwist® | — | 50 ohm | 1.80 | 1.43 | 1.22 |

BNC Clamp-Type Plugs

|          |            |   |              |       |        |        |      |      |      |
|----------|------------|---|--------------|-------|--------|--------|------|------|------|
| 713-9060 | 31-2-RFX   | 4 | 58, 141, 142 | Clamp | Solder | 50 ohm | 2.00 | 1.58 | 1.35 |
| 713-9065 | 31-212-RFX | 4 | 59, 62       | Clamp | Solder | 50 ohm | 1.99 | 1.57 | 1.34 |

BNC Quicktrim® Plug

|          |             |   |        |   |            |        |      |      |      |
|----------|-------------|---|--------|---|------------|--------|------|------|------|
| 713-9002 | 31-4541-RFX | 5 | 59, 62 | — | Quicktrim® | 50 ohm | 3.99 | 3.23 | 2.75 |
|----------|-------------|---|--------|---|------------|--------|------|------|------|

Right Angle Crimp Plugs — Diecast Body

|          |            |   |               |   |   |        |      |      |      |
|----------|------------|---|---------------|---|---|--------|------|------|------|
| 713-9034 | 31-335-RFX | 6 | 58, 141       | — | — | 50 ohm | 3.76 | 3.13 | 2.57 |
| 713-9036 | 31-336-RFX | 6 | 59, 62        | — | — | 50 ohm | 4.41 | 3.57 | 3.04 |
| 713-9031 | 31-316-RFX | 6 | 174, 188, 316 | — | — | 50 ohm | 5.65 | 4.71 | 4.04 |

BNC 3-Piece Crimp Jack

|          |              |   |          |       |       |        |      |      |      |
|----------|--------------|---|----------|-------|-------|--------|------|------|------|
| 713-9068 | 36800-RFX    | 7 | 58, 141  | Crimp | Crimp | 50 ohm | 1.56 | 1.24 | 1.05 |
| 713-9032 | 31-327-RFX*  | 7 | 58, 141  | —     | —     | 50 ohm | 1.76 | 1.39 | 1.19 |
| 713-9033 | 31-328-RFX*  | 7 | 59, 62   | —     | —     | 50 ohm | 1.76 | 1.39 | 1.19 |
| 713-9069 | 31-71014-RFX | 7 | 179, 187 | Crimp | Crimp | 75 ohm | 2.26 | 1.76 | 1.41 |

\*Captive contact, teflon insulation.

Twinaxial Connectors

Keyed 90° Twinax Connectors

| Stock No. | Mfr.'s Type | Fig. | RG/U Cable                     | Cable Attachment |                 | IBM Ref. No. | EACH |       |         |
|-----------|-------------|------|--------------------------------|------------------|-----------------|--------------|------|-------|---------|
|           |             |      |                                | Outer            | Inner           |              | 1-24 | 25-99 | 100-249 |
| 713-9130  | 82-5589-RFX | 19   | Belden 8227, 9207, IBM 7362211 | Clamp            | Solder or Crimp | 7362229      | 4.68 | 3.79  | 3.22    |

BNC Bulkhead Jacks — Non-Captive Contacts

| Stock No. | Mfr.'s Type  | Fig. | RG/U Cable    | Cable Attachment |       | Imp.   | EACH |       |         |
|-----------|--------------|------|---------------|------------------|-------|--------|------|-------|---------|
|           |              |      |               | Outer            | Inner |        | 1-24 | 25-99 | 100-249 |
| 713-9037  | 31-342-RFX   | 8    | 58, 141       | —                | —     | 50 ohm | 2.56 | 2.14  | 1.83    |
| 713-9009  | 31-71011-RFX | 8    | 59, 62        | —                | —     | 75 ohm | 2.52 | 2.12  | 1.80    |
| 713-9070  | 31-318-RFX   | 8    | 174, 188, 316 | Crimp            | Crimp | 50 ohm | 3.31 | 2.68  | 2.28    |
| 713-9075  | 31-245-RFX   | 8    | 179, 187      | Crimp            | Crimp | 50 ohm | 3.36 | 2.58  | 2.19    |
| 713-9043  | 31-71016-RFX | 8    | 179, 187      | —                | —     | 75 ohm | 3.17 | 2.57  | 2.18    |

BNC Panel Receptacle

| Stock No. | Mfr.'s Type | Fig. | Description      | Terminal Type | Imp.   | EACH |       |         |
|-----------|-------------|------|------------------|---------------|--------|------|-------|---------|
|           |             |      |                  |               |        | 1-24 | 25-99 | 100-249 |
| 713-9062  | 31-203-RFX  | 9    | 0.125" holes (4) | Solder cup    | 50 ohm | 3.10 | 2.51  | 2.13    |

Front Mount BNC Bulkhead Receptacles

|          |              |    |                                                 |                          |        |      |      |      |
|----------|--------------|----|-------------------------------------------------|--------------------------|--------|------|------|------|
| 713-9080 | 31-10-RFX    | 10 | Isolated from panel                             | Solder cup grounding tab | 50 ohm | 2.25 | 1.79 | 1.51 |
| 713-9085 | 31-221-RFX   | 11 | 0.125" max. panel                               | Solder cup               | 50 ohm | 1.44 | 1.15 | .98  |
| 713-9087 | 31-221-75RFX | 11 | 0.125" max. panel                               | Solder Cup               | 75 ohm | 1.26 | 1.05 | .90  |
| 713-9095 | 31-10152-RFX | 12 | Lug for inside panel for ground wire to circuit | —                        | —      | .49  | .39  | .33  |

BNC Adapters

|          |               |    |                                         |   |        |      |      |      |
|----------|---------------|----|-----------------------------------------|---|--------|------|------|------|
| 713-9100 | 31-9-RFX      | 13 | Right angle jack-plug                   | — | 50 ohm | 4.22 | 3.40 | 2.89 |
| 713-9102 | 31-218-RFX    | 14 | Straight plug-plug                      | — | 50 ohm | 2.64 | 2.14 | 1.82 |
| 713-9104 | 31-218-75RFX  | 14 | Straight plug-plug                      | — | 75 ohm | 3.34 | 2.71 | 2.30 |
| 713-9105 | 31-219-RFX    | 15 | Straight jack-jack                      | — | 50 ohm | 3.36 | 2.72 | 2.31 |
| 713-9110 | 31-220G-RFX   | 16 | Bulkhead pressurized jack-jack          | — | 50 ohm | 3.46 | 2.81 | 2.38 |
| 713-9115 | 31-220N-RFX   | 16 | Bulkhead non-sealed jack-jack           | — | 50 ohm | 3.50 | 2.84 | 2.41 |
| 713-9117 | 31-220N-75RFX | 16 | Bulkhead non-sealed jack-jack           | — | 75 ohm | 3.10 | 2.51 | 2.13 |
| 713-9028 | 31-4803-RFX   | 16 | Bulkhead jack-jack isolated from ground | — | 50 ohm | 2.59 | 2.11 | 1.78 |
| 713-9120 | 31-208-RFX    | 17 | Tee jack-plug-jack                      | — | 50 ohm | 3.84 | 3.11 | 2.64 |

BNC PCB Receptacles

Post terminal 4 legs. 0.433" base, 0.176" long post terminal, 0.037" dia.

|          |                |   |   |   |        |      |      |      |
|----------|----------------|---|---|---|--------|------|------|------|
| 713-9039 | 31-5329-51RFX* | — | — | — | 50 ohm | 1.66 | 1.34 | 1.14 |
| 713-9041 | 31-5329-52RFX† | — | — | — | 50 ohm | 1.82 | 1.47 | 1.25 |
| 713-9042 | 31-5329-72RFX† | — | — | — | 75 ohm | 2.27 | 1.84 | 1.56 |

\*Silver plated. †Gold plated.

Resistor Terminated Male Cap

|          |             |    |   |   |        |      |      |      |
|----------|-------------|----|---|---|--------|------|------|------|
| 713-9097 | 46650-51RFX | 18 | — | — | 50 ohm | 2.15 | 1.71 | 1.45 |
| 713-9098 | 46650-75RFX | 18 | — | — | 75 ohm | 2.19 | 1.74 | 1.49 |
| 713-9099 | 46650-93RFX | 18 | — | — | 93 ohm | 2.08 | 1.65 | 1.40 |

| Stock No. | Mfr.'s Type | Fig. | Description                                         | IBM Ref. No. | EACH |       |         |
|-----------|-------------|------|-----------------------------------------------------|--------------|------|-------|---------|
|           |             |      |                                                     |              | 1-24 | 25-99 | 100-249 |
| 713-9135  | 82-5588-RFX | 20   | Straight adapter jack-jack                          | 7362230      | 5.12 | 4.27  | 3.66    |
| 713-9140  | 82-5590-RFX | 21   | Bulkhead receptacle front-mount solder cup terminal | 7362179      | 7.08 | 5.74  | 4.86    |

Tee Adapters

|          |             |    |                |   |       |      |      |
|----------|-------------|----|----------------|---|-------|------|------|
| 713-9145 | 82-5677-RFX | 22 | Jack-jack-jack | — | 10.11 | 8.34 | 7.08 |
| 713-9150 | 26850-RFX   | 23 | Jack-plug-jack | — | 11.28 | 9.40 | 7.98 |