


# AMPHENOL BNC Connectors

Amphenol®

## HIGH DENSITY HD-BNC™ CONNECTORS

 This product is RoHS compliant.

### Features:

- High density solutions
- Bayonet coupling
- True 75 Ohm impedance
- Meets SMPTE 292M and 424M Standards
- Smallest BNC in the industry
- Same cable prep as traditional BNC

### Electrical:

- Impedance: 75Ω
- Frequency Range: 0-6GHz
- Voltage Rating: 170 VRMS
- Dielectric Withstanding Voltage: 500 volts
- Return Loss: Straight connectors: 32dB @ 3GHz
- Contact Resistance: Center contact: 5m Ω; Outer contact: 2.5m Ω
- Insulation Resistance: 10,000M Ω minimum
- Data Rate: 3Gbps or higher

### Applications:

- Broadcast
- Network Routing and Switching
- Telco Central Office
- DS3/DS4
- Digital Video - HDTV
- Medical
- Mil/Aero
- Satellite Headends

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.                | Amphenol Part No. | Fig. | Description                  | Price Each |       |       |       |
|---------------------------------|-------------------|------|------------------------------|------------|-------|-------|-------|
|                                 |                   |      |                              | 1          | 5     | 10    | 25    |
| <b>Jacks</b>                    |                   |      |                              |            |       |       |       |
| 523-34-1024                     | 34-1024           | A    | Vertical jack, 4 Leg, square | 5.47       | 4.90  | 4.70  | 3.67  |
| 523-34-1018                     | 34-1018           | B    | Edge launch jack             | 5.94       | 5.32  | 5.10  | 3.99  |
| 523-34-1030                     | 34-1030           | C    | R/A PCB jack                 | 8.26       | 7.40  | 7.10  | 5.57  |
| <b>Plugs for Standard Cable</b> |                   |      |                              |            |       |       |       |
| 523-34-1017-300                 | 34-1017-300       | D    | Plug - 1694A                 | 10.92      | 9.78  | 9.40  | 7.36  |
| 523-34-1027                     | 34-1027           | D    | Plug - 1695A                 | 10.92      | 9.78  | 9.40  | 7.36  |
| 523-34-1025                     | 34-1025           | D    | Plug - 1505A                 | 10.93      | 9.79  | 9.41  | 7.37  |
| <b>Plugs for HD Cable</b>       |                   |      |                              |            |       |       |       |
| 523-34-1026                     | 34-1026           | D    | Plug - 1855A                 | 11.74      | 10.52 | 10.11 | 7.91  |
| 523-34-1033                     | 34-1033           | D    | Plug - 210HDTV               | 11.73      | 10.51 | 10.10 | 7.90  |
| 523-31-70466                    | 31-70466          | E    | Plug - 210HDTV               | 5.12       | 4.59  | 4.40  | 4.01  |
| <b>Adapters</b>                 |                   |      |                              |            |       |       |       |
| 523-APH-HDBNCJ-J                | APH-HDBNCJ-J      | F    | HD BNC (J) - HD BNC (J)      | 38.23      | 36.70 | 33.35 | 30.58 |
| 523-APH-HDBNCJ-P                | APH-HDBNCJ-P      | G    | HD BNC (P) - HD BNC (J)      | 38.22      | 36.70 | 33.36 | 30.58 |
| 523-34-1023                     | 34-1023           | H    | HD BNC (J-J-J) Tee           | 76.88      | 73.80 | 67.09 | 51.03 |
| 523-APH-BNCJ-HDBNCJ             | APH-BNCJ-HDBNCJ   | I    | BNC (J) - HD BNC (J)         | 38.86      | 37.31 | 33.92 | 31.09 |
| 523-APH-BNCP-HDBNCJ             | APH-BNCP-HDBNCJ   | J    | BNC (P) - HD BNC (P)         | 38.86      | 37.31 | 33.92 | 31.09 |
| 523-APH-BNCJ-HDBNCP             | APH-BNCJ-HDBNCP   | K    | BNC (J) - HD BNC (P)         | 38.86      | 37.30 | 33.92 | 31.09 |
| 523-APH-BNCP-HDBNCP             | APH-BNCP-HDBNCP   | L    | BNC (P) - HD BNC (J)         | 38.86      | 37.31 | 33.92 | 31.09 |

### Tools

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Amphenol Part No. | Description        | Price Each |        |
|------------------|-------------------|--------------------|------------|--------|
|                  |                   |                    | 1          | 5      |
| 523-227-1490     | 227-1490          | Spanner nut tool   | 70.03      | 63.60  |
| 523-227-T2000    | 227-T2000         | HD BNC mating tool | 119.29     | 104.10 |

## BNC TRUE 75 OHM CABLE CONNECTORS

- True 75Ω impedance end to end
- Body Material: Brass
- Body Plating: Nickel
- Contact Plating: Gold
- Frequency range: 0-4GHz

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Amphenol Part No. | Fig. | Description            | Cable        | Crimp Tool | Price Each |       |       |       |
|------------------|-------------------|------|------------------------|--------------|------------|------------|-------|-------|-------|
|                  |                   |      |                        |              |            | 1          | 10    | 25    | 100   |
| 523-31-80101     | 31-80101          | M    | Straight Crimp Plug    | RG-179, 187  | 227-T1200  | 4.15       | 3.81  | 3.50  | 3.24  |
| 523-31-80103     | 31-80103          | M    | Straight Crimp Plug    | RG-59        | 227-T1200  | 6.09       | 5.07  | 3.37  | 3.20  |
| 523-31-80104     | 31-80104          | M    | Straight Crimp Plug    | 734A         | 227-T1200  | 5.09       | 4.25  | 3.93  | 3.48  |
| 523-31-80105     | 31-80105          | M    | Straight Crimp Plug    | 735A         | 227-T1200  | 3.85       | 3.53  | 3.24  | 3.01  |
| 523-31-80106     | 31-80106          | M    | Straight Crimp Plug    | RG-174, 316  | 227-T1200  | 5.09       | 4.25  | 3.93  | 3.48  |
| 523-31-80107     | 31-80107          | M    | Straight Crimp Plug    | BELDEN 179DT | 227-T1200  | 5.09       | 4.25  | 3.93  | 3.48  |
| 523-31-80109     | 31-80109          | M    | Straight Crimp Plug    | BELDEN 1694A | 227-T1200  | 6.09       | 5.07  | 3.37  | 3.20  |
| 523-31-80901     | 31-80901          | N    | Right Angle Crimp Plug | RG-179, 187  | 227-T1200  | 18.06      | 16.43 | 15.03 | 13.89 |

## TWIN BNC CONNECTORS

- Impedance: 75Ω and 95Ω Cables
- Frequency Range: 0-100MHz
- Weatherproof: When mated
- Insulators: TFE (High Temp.) or Noryl
- Mating Coupling: two stud
- Bayonet Polarized

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.      | Amphenol Part No. | Fig. | Cable Attachment Outer-Inner | Plating Body / Contact | Cable/Description            | Price Each |       |       |       |
|-----------------------|-------------------|------|------------------------------|------------------------|------------------------------|------------|-------|-------|-------|
|                       |                   |      |                              |                        |                              | 1          | 10    | 25    | 100   |
| <b>Plugs</b>          |                   |      |                              |                        |                              |            |       |       |       |
| 523-31-224            | 31-224            | O    | Clamp-Solder                 | Nickel / Gold          | RG 108A, Noryl Insulator     | 10.08      | 9.52  | 8.76  | 8.46  |
| 523-31-2226           | 31-2226           | O    | Clamp-Solder                 | Nickel / Gold          | RG 108A, TFE Insulator       | 17.05      | 15.58 | 13.36 | 12.47 |
| <b>Bulkhead Jacks</b> |                   |      |                              |                        |                              |            |       |       |       |
| 523-31-223            | 31-223            | P    | Solder Cup                   | Nickel / Silver        | Front Mount, Noryl Insulator | 18.88      | 17.40 | 15.22 | 14.53 |
| 523-31-2225           | 31-2225           | P    | Solder Cup                   | Nickel / Silver        | Front Mount, TFE Insulator   | 17.27      | 15.89 | 13.89 | 13.07 |

## SLIMLINE MINI BNC CONNECTORS

- Working Voltage: 400VAC, peak
- True 75Ω impedance end to end
- Body Material: Brass with nickel or gold plating
- Contact Plating: Gold
- Reduced footprint size allowing 40% more connections in the same area
- Crimp/Crimp Design-Compatible with all major manufacturer's tooling
- Drop-in replacement for most high density SMB/SMZ applications

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.      | Amphenol Part No. | Fig. | Cable Attachment Outer-Inner | Body Plating | RG Cable/Description                     | Price Each |      |      |
|-----------------------|-------------------|------|------------------------------|--------------|--|------------|------|------|
|                       |                   |      |                              |              |  | 1          | 10   | 25   |
| <b>Straight Plugs</b> |                   |      |                              |              |  |            |      |      |
| 523-31-70257          | 31-70257          | Q    | Dual Crimp                   | Nickel       | Belden 1694A, 9248, .295" Outer Diameter | 8.13       | 7.43 | 6.84 |
| 523-31-70259          | 31-70259          | Q    | Dual Crimp                   | Nickel       | AT&T 734, 734A, Belden 1505A             | 7.30       | 6.74 | 6.02 |
| 523-31-70251          | 31-70251          | Q    | Dual Crimp                   | Nickel       | AT&T 735, 735A, Belden 735A1             | 10.82      | 7.89 | 6.64 |
| 523-31-70260          | 31-70260          | Q    | Dual Crimp                   | Nickel       | Belden 8218, 88281                       | 10.82      | 7.89 | 6.64 |
| 523-31-70261          | 31-70261          | Q    | Crimp-Solder                 | Nickel       | 179, 187, Belden 9221                    | 9.84       | 7.16 | 6.04 |
| <b>Jacks</b>          |                   |      |                              |              |  |            |      |      |
| 523-31-70249          | 31-70249          | R    | PCB Mount                    | Nickel       | Vertical, .054" Mounting Posts           | 5.05       | 4.60 | 4.15 |
| 523-31-6055           | 31-6055           | S    | PCB Mount                    | Nickel       | Right Angle Bulkhead, .071" Max Panel    | 8.35       | 6.95 | 5.82 |
| 523-31-70255          | 31-70255          | T    | PCB Mount                    | Nickel       | Right Angle, .054" Mounting Posts        | 8.27       | 6.99 | 5.67 |

