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Stock

Serial Digital BNC Connectors

Bomar's true 75 ohm BNC connectors fit all standard broadcast cables and utilize standard existing tooling. Made from precision machined brass, these rugged connectors maintain excellent return loss in analog and serial digital applications. 50 Ohm versions also available. Precision matched for each cable. The SBC number identifies the cable manufacturer's part number. An easy choice. RoHS compliant

| Part Number | <input checked="" type="checkbox"/> | Cable | Tool PN |
|-------------|-------------------------------------|-------|----------|
| SBC1164B | <input checked="" type="checkbox"/> | 1164B | BDHD200 |
| SBC1167B | <input checked="" type="checkbox"/> | 1167B | BDHD200 |
| SBC1407B | <input checked="" type="checkbox"/> | 1407B | BDHD100 |
| SBC1426 | <input checked="" type="checkbox"/> | 1426 | BDHD100 |
| SBC1505A | <input checked="" type="checkbox"/> | 1505A | BDHD100 |
| SBC1506A | <input checked="" type="checkbox"/> | 1506A | BDHD100 |
| SBC1520A | <input checked="" type="checkbox"/> | 1520A | BDHD200 |
| SBC1694A | <input checked="" type="checkbox"/> | 1694A | BDHD100 |
| SBC1695A | <input checked="" type="checkbox"/> | 1695A | BD10410 |
| SBC1855A | <input checked="" type="checkbox"/> | 1855A | BDHD200 |
| SBC1865A | <input checked="" type="checkbox"/> | 1865A | BDHD200 |
| SBC5565 | <input checked="" type="checkbox"/> | 5565 | BDHD100 |
| SBC5765 | <input checked="" type="checkbox"/> | 5765 | BDHD100 |
| SBC7501 | <input checked="" type="checkbox"/> | 7501 | BDHD100 |
| SBC7536 | <input checked="" type="checkbox"/> | 7536 | BDHD200 |
| SBC7538 | <input checked="" type="checkbox"/> | 7538 | BDHD100 |
| SBC7731A | <input checked="" type="checkbox"/> | 7731A | BD11012A |
| SBC8279 | <input checked="" type="checkbox"/> | 8279 | BDHD100 |



Connectors for many other cable part numbers available. Contact Bomar or your distributor.

| Part Number | <input checked="" type="checkbox"/> | Cable | Tool PN |
|-------------|-------------------------------------|-------------|---------|
| SBC82108 | <input checked="" type="checkbox"/> | 82108 | BDHD100 |
| SBC8218 | <input checked="" type="checkbox"/> | 8218 | BDHD200 |
| SBC82259 | <input checked="" type="checkbox"/> | 82259 | BDHD100 |
| SBC8215 | <input checked="" type="checkbox"/> | 8215 | BDHD100 |
| SBC8241 | <input checked="" type="checkbox"/> | 8241(A) | BDHD100 |
| SBC8279 | <input checked="" type="checkbox"/> | 8279(A) | BDHD100 |
| SBC8281 | <input checked="" type="checkbox"/> | 8281(B),(F) | BDHD100 |
| SBC83264 | <input checked="" type="checkbox"/> | 83264 | BDHD100 |
| SBC88281 | <input checked="" type="checkbox"/> | 88281 | BDHD100 |
| SBC89108 | <input checked="" type="checkbox"/> | 89108 | BDHD100 |
| SBC89259 | <input checked="" type="checkbox"/> | 89259 | BDHD100 |
| SBC9141 | <input checked="" type="checkbox"/> | 9141 | BDHD100 |
| SBC9165 | <input checked="" type="checkbox"/> | 9165 | BDHD100 |
| SBC9209 | <input checked="" type="checkbox"/> | 9209 | BDHD100 |
| SBC9221 | <input checked="" type="checkbox"/> | 9221 | BD11016 |
| SBC9231 | <input checked="" type="checkbox"/> | 9231 | BDHD100 |
| SBC9248 | <input checked="" type="checkbox"/> | 9248 | BDHD100 |
| SBC9259 | <input checked="" type="checkbox"/> | 9259, 9659 | BDHD100 |

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| Part Number | Die Size |
|-------------|-----------------------------------|
| BDHD100 | .324, .255, .068, .042 |
| BDHD200 | .255, .213, .178, 100, .068, .042 |

Crimp tool for most Serial Digital and HD BNC Plugs *

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* See chart for Serial Digital BNC above
* See Chart for High Definition BNC below



Ask for P/N BD44008

Bomar's new BNC removal tool allows easy removal of BNC connectors in dense patch panel applications.

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RCA Crimp Connectors

This new Broadcast Grade crimp RCA plug will crimp onto standard RG 6 and RG 59 style coaxial cables and the *new* mini-RG59 type. The introduction of this series will compliment the Bomar SBC series 75 ohm connectors which are supplied to the broadcast systems integration.

| Part No. | <input checked="" type="checkbox"/> | Description | Hex Crimp | Tool |
|----------|-------------------------------------|---------------------------|-----------|---------|
| RBC1505A | <input checked="" type="checkbox"/> | RCA crimp for 1505A cable | .255/.068 | BDHD100 |
| RBC1694A | <input checked="" type="checkbox"/> | RCA crimp for 1694A cable | .324/.068 | BDHD100 |
| RBC1855A | <input checked="" type="checkbox"/> | RCA crimp for 1855A cable | .178/.068 | BDHD200 |



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Manufactured of precision-machined brass, with heavy nickel plating, these corrosion-resistant parts feature nickel-plated, semi-captive contacts for long-lasting connections. Their advanced shielding technology provides maximum isolation from EMI and RFI interference. Each connector is shipped with six color-coded O-rings to allow easy identification when systems require multiple cables.

Compression Connectors - Broadcast Grade

| Part No. | <input checked="" type="checkbox"/> | Fig. | Description |
|-----------|-------------------------------------|------|---|
| KCC1505B | <input checked="" type="checkbox"/> | 1 | BNC compression for 1505A cable (RG 59) DISCONTINUED |
| KCC1505F | <input checked="" type="checkbox"/> | 2 | F compression for 1505A cable (RG 59) RED ** |
| KCC1505R | <input checked="" type="checkbox"/> | 3 | RCA compression for 1505A cable (RG 59) DISCONTINUED |
| KCC1694B | <input checked="" type="checkbox"/> | 1 | BNC compression for 1694A cable (RG 6) DISCONTINUED |
| KCC1694BQ | <input checked="" type="checkbox"/> | 1 | BNC compression for 1694A cable (RG 6 QUAD) DISCONTINUED |
| KCC1694F | <input checked="" type="checkbox"/> | 2 | F compression for 1694A cable (RG 6) YELLOW ** |
| KCC1694FQ | <input checked="" type="checkbox"/> | 2 | F compression for 1694A cable (RG 6 QUAD) BLUE ** |
| KCC1694R | <input checked="" type="checkbox"/> | 3 | RCA compression for 1694A cable (RG 6) |
| KCC1855B | <input checked="" type="checkbox"/> | 1 | BNC compression for 1855A cable (RG 59 mini) |
| KCC1855F | <input checked="" type="checkbox"/> | 2 | F compression for 1855A cable (RG 59 mini) DISCONTINUED |
| KCC1855R | <input checked="" type="checkbox"/> | 3 | RCA crimp for 1855A cable (RG 59 mini) |
| BDKC6000 | --- | 4 | Compression tool for KCC series |

RoHS compliant



Fig.1



Fig.2



Fig.3




High Definition BNC Connectors

The Shadow™ in the trade name for the best high definition BNC connector available at any price *Shadow*™ BNC connectors fit all standard broadcast cables and utilize most standard existing tooling. These connectors are made from precision machined brass. Insulator material is high density TFE to maintain a perfect dielectric constant. Bomar connectors utilize a .042 diameter gold plated contact pin to maintain the best return loss in high definition applications.

The Shadow™ is precision machined (not die-cast) from brass. A special black nickel plating is applied for a beautiful finish that is easily identifiable as a high definition connector. Each connector is precision matched to a specific cable type.

Uses standard commercial tooling. However, Bomar die sets are available for use with KTH1000 frame. RoHS compliant

| Part Number |  | Cable | Hex Crimp | Tool |
|---|---|---------------|--------------------|---------|
| HBC1505A | <input checked="" type="checkbox"/> | 1505A | .255/.042* | BDHD100 |
| HBC1694A | <input checked="" type="checkbox"/> | 1694A | .324/.042* | BDHD100 |
| HBC1694AX | <input checked="" type="checkbox"/> | 1694A | .278/.042* | BDHD100 |
| HBC1855A | <input checked="" type="checkbox"/> | 1855A | .178/.042* | BDHD200 |
| HBC179DT | <input checked="" type="checkbox"/> | 179DT | .213 ferrule only* | BDHD200 |
| BD17900 | | 12 Point Tool | .042 (pin only) | |
| * We recommend 12 point tool for .042 pin Bomar BD17900 (See Below) | | | | |
| Other cable sizes are available by special order. REQUEST QUOTE REQUEST DRAWING | | | | |



S



BD17900

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In an independent test The Shadow™ proved to have the best return loss results at 3GHz.

| Freq in GHz | Return Loss (No Cable) | Return Loss (No Cable) | Return Loss (No Cable) | Return Loss (No Cable) | Return Loss (No Cable) |
|-------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| xxx | Bomar | K-Brand | A-Brand | AM-Brand | T-Brand |
| 2.0 | - 29.4 dB | - 22.6 dB | - 23.3 dB | - 44.8 dB | - 21.4 dB |
| 2.6 | - 26.6 dB | - 20.3 dB | - 20.9 dB | - 22.3 dB | - 20.2 dB |
| 3.0 | - 23.1 dB | - 18.0 dB | - 17.4 dB | - 20.0 dB | - 19.0 dB |

Bomar P/N HBC1694A HP8648C, Slotted Line (Connector Only Used For True Results.)

Once cable is applied . . .



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Analog BNC Connectors

BNC three piece crimp connectors feature semi-captive contacts that “click” into place assuring perfect installation. Each crimp pin has a vent hole for optional soldering. Soldering is recommended for all stranded conductors 26 AWG or smaller.


| Part No. |  | Description | Fig. |
|--|---|--------------------------------------|------|
| 310A205A | <input checked="" type="checkbox"/> | 6, 21AWG Center Conductor | 1 |
| 310A205A18 | <input checked="" type="checkbox"/> | 6 CATV, 18AWG Center Conductor | 1 |
| 310A204F | <input checked="" type="checkbox"/> | 58A/U, 58C/U Stranded, 141, Thin PVC | 1 |
| 310A205FS | <input checked="" type="checkbox"/> | 58/U Solid Conductor | 1 |
| 310A205FV | <input checked="" type="checkbox"/> | 58/U Thin-Net Plenum | 2 |
| 310A204G | <input checked="" type="checkbox"/> | 59, 62, 210 | 1 |
| 310A205G20 | <input checked="" type="checkbox"/> | RG59 20 AWG Center Cond. | 1 |
| 310A205G23 | <input checked="" type="checkbox"/> | Belden 8241 | 1 |
| 310A205MV | <input checked="" type="checkbox"/> | 174, 178, 196, Mini RGB Cable | 3 |
| 310A205N | <input checked="" type="checkbox"/> | 179, 187 | 3 |
| 310A205P | <input checked="" type="checkbox"/> | 223 | 1 |
| 310B205Q | <input checked="" type="checkbox"/> | Belden 8281 True 75 Ohms | 1 |
| 310A204T | <input checked="" type="checkbox"/> | 59, 62, Plenum | 2 |
| 310A208W2 | <input checked="" type="checkbox"/> | Mini 59, RGB Cable (26 AWG) | 2 |
| 320A204F | <input checked="" type="checkbox"/> | 58A/U, 58C/U Stranded, 141, Thin PVC | 4 |
| 320A204G | <input checked="" type="checkbox"/> | 59, 62, 210 | 4 |
| 320A205FV | <input checked="" type="checkbox"/> | 174, 178, 196, Mini RGB Cable | 5 |
| 320A204T | <input checked="" type="checkbox"/> | 59, 62, Plenum | 5 |
| <input checked="" type="checkbox"/> RoHS compliant REQUEST QUOTE REQUEST DRAWING | | | |



Fig. 1

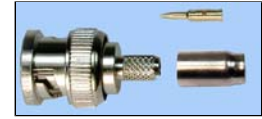


Fig. 2



Fig. 3



Fig. 4




Fig. 5

SSS

Analog N Connectors

N Series connectors are medium sized, and weatherproof. The coupling method utilizes a screw system designed for use at frequencies up to microwave. These connectors are particularly useful where precision performance is necessary such as in satellite communications, MATV, radio transmitter antenna systems and other high-tech electronic equipment. Because of the quality manufacturing tolerances these connectors ensure excellent performance throughout 0-18GHz

| Part No. |  | Description | Fig. |
|-----------|---|--|------|
| 110A205BC | <input checked="" type="checkbox"/> | “N” Cable Plug to Fit RG8 and RG214 Cables | 6 |

Two ferrules supplied: For applications with both RG8 and RG214 cables

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Fig.6




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Adapters

Standard adapters are designed for analog and serial digital applications below 2 GHz. Shown below are some of the more popular types. Contact Bomar for a complete listing.

| Part Number |  | Description | Fig. |
|-------------|---|----------------------|------|
| 1303505 | <input checked="" type="checkbox"/> | N Male to BNC Male | 1 |
| 1313505 | <input checked="" type="checkbox"/> | N Male to BNC Female | 2 |

| | | | |
|--|-------------------------------------|------------------------------|----|
| 1323505 | <input checked="" type="checkbox"/> | N Female to BNC Female | 3 |
| 132A505 | <input checked="" type="checkbox"/> | N Female to Female | 4 |
| 151A505 | <input checked="" type="checkbox"/> | N Right Angle Male to Female | 5 |
| 330A505 | <input checked="" type="checkbox"/> | BNC Male to Male | 6 |
| 332A505 | <input checked="" type="checkbox"/> | BNC F/F 50Ω Splice | 7 |
| 332A705 | <input checked="" type="checkbox"/> | BNC F/F 75Ω Splice | 7 |
| 335A544 | <input checked="" type="checkbox"/> | BNC F/F 50Ω Panel | 8 |
| 335A744 | <input checked="" type="checkbox"/> | BNC F/F 75Ω Panel | 8 |
| 335R544 | <input checked="" type="checkbox"/> | BNC F/F 50Ω Isolated Panel | 8 |
| 335R744 | <input checked="" type="checkbox"/> | BNC F/F 75Ω Isolated Panel | 8 |
| 343A505 | <input checked="" type="checkbox"/> | BNC F/M/F "T" Adapter | 9 |
| 345A505 | <input checked="" type="checkbox"/> | BNC F/F/F "T" Adapter | 10 |
| 5313501 | <input checked="" type="checkbox"/> | TNC Male to BNC Female | 11 |
| R0811 | <input checked="" type="checkbox"/> | RCA Female to N Male | 12 |
| R0842 | <input checked="" type="checkbox"/> | RCA Male to BNC Male | 13 |
| R0844 | <input checked="" type="checkbox"/> | RCA Male to BNC Female | 14 |
| R0847 | <input checked="" type="checkbox"/> | RCA Male to F Male | 15 |
| R0849 | <input checked="" type="checkbox"/> | RCA Male to F Female | 16 |
| <input checked="" type="checkbox"/> RoHS compliant REQUEST QUOTE REQUEST DRAWING | | | |



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

Adapter Kits

ADPT1 is a (30) piece kit containing 2 each males and females of: BNC, TNC, N, Mini-UHF, UHF, SMA and 6 universal adapters. Materials: machined brass, nickel plated bodies, Gold plated contacts. (Commercial grade)

ADPT2 is a (40) piece kit containing 2 each males and females of: BNC, TNC, N, Mini-UHF, UHF, SMA, F, RCA and 8 universal adapters. Materials: machined brass, gold plated bodies. Gold plated contacts. (Broadcast grade rated)

ADPT3PA (Power Kit) is a (8) piece kit containing 7/16 to N, N to N and 7/16 to 7/16 adapters. Materials: machined brass, Tri-Plated bodies, Gold plated contacts.

ADPT4 RP (Antenna Kit) is a (42) piece kit containing (2) males and (2) females of N, BNC, UHF, TNC, TNC-RT, (Reverse Thread), TNC-RP-(Reverse Polarity), SMA, and SMA-RP (Reverse Polarity) and 8 universal adapters. Materials: machined brass, nickel plated



ADPT2 / ADPT1

ADPT3PA

ADPT4RP

(Kits are in zippered leather cases and contain enough parts for hundreds of combinations of adapters.)

bodies, Gold plated contacts.

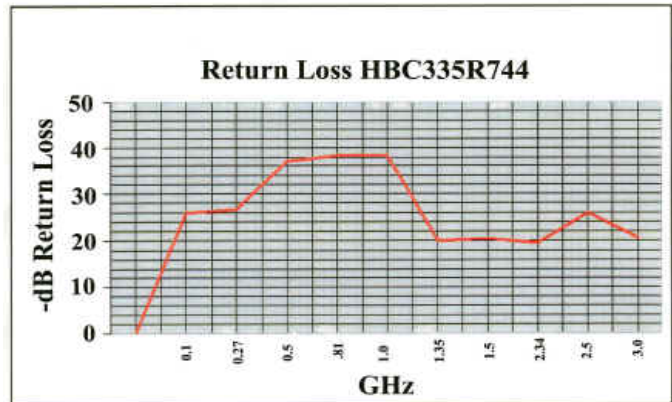
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The First BNC/Female / Female Isolated Panel Connector Rated for High Definition

This BNC connector was designed from the contact up to meet the rigid standards for HDTV. Bomar is the first to develop a panel connector of this type to perform as well at frequencies from 100MHz to 3 GHz. It is panel isolated and has a black nickel plated threaded bushing and flange. This attractive black metal flange identifies the connector as one of the Shadow™ HBC series HD connectors. Ask for HBC335R744.



| Part No. | <input checked="" type="checkbox"/> | Description |
|------------|-------------------------------------|---|
| HBC335R744 | <input checked="" type="checkbox"/> | BNC F/F HD Isolated 75Ω Panel Feed thru |

RoHS compliant

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BNC Precision 75 Ohm Terminator .1% Tolerance

Features and Specifications

Precision 0.1% Terminator
Rated for HD Test Applications
True 75 Ohm Impedance
Internal construction designed to perform in HDTV and broadband frequencies.
All precision machined brass body with, gold pin, Teflon insulator and heavy bright nickel plating on the body.



| Part No. | <input checked="" type="checkbox"/> | Description |
|------------|-------------------------------------|---|
| HBC310X075 | <input checked="" type="checkbox"/> | BNC F/F HD Isolated 75Ω Panel Feed thru |

RoHS compliant

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Standard 5% tolerance 50 ohm and 75 ohm terminators also available. Ask for 310X054 (50 ohm) and 310X075. (75 ohm)

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EZ-RJ45™

The new patented **EZ-RJ45™** connector simplifies installation by allowing the pairs to be inserted through the connector. There is no difficult to handle liner or wire bar to deal with. Inspection of the correct conductor order is done before crimping so no connector is wasted because if incorrect wiring. The conductors are able to be pulled forward so the pairs are very close to the contacts. This method allows the integrity of the pairs to maintain Category Five, and even enhanced Category 5 and Category 6 capabilities. (50 u in. gold)
 The **EZ-RJ12™** and both **EZ-RJ45™** can be crimped with most any standard tool, then trimmed with a cutter or small utility knife. However, the new BD45000 crimp tool crimps and trims the exposed conductors in one operation. The vertical action of the tool makes a uniform and positive crimp.

| PartNo. | ROHS | Description | |
|-----------|-------------------------------------|---|------|
| 300566EZ | <input checked="" type="checkbox"/> | 6P6C EZ-RJ12 Plug | RJ12 |
| 300568EZ | <input checked="" type="checkbox"/> | 8P8C EZ-RJ45 Category 5 Plug | RJ45 |
| 300668EZ | <input checked="" type="checkbox"/> | 8P8C EZ-RJ45 Category 6 Plug NEW | RJ45 |
| 300668SEZ | <input checked="" type="checkbox"/> | 8P8C EZ-RJ45 Shielded Category 6 Plug NEW | RJ45 |
| BD45000 | - | Crimp and Trim Tool for EZ RJ12, EZ RJ45 Cat 5 & 6 | ---- |
| BD45000BL | - | Replacement Blades (2 per Pkg) for BD45000 Tool | ---- |
| CXB300EZ | - | Cable Boot with Strain Relief (Required for Cat 6) | ---- |
| CXB500EZ | - | Cable Boot SNAGLESS Cat 5 (color: clear) NEW | ---- |
| CXB600EZ | - | Cable Boot SNAGLESS Cat 6 (color: clear) NEW | ---- |

[Video Demo](#)

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| | | | |
|--|--|--|---|
|  |  |  |  |
| | <p>BD45000 Crimp & Trim Tool</p> | <p>EZ-RJ45 Cat 6 Shielded with SNAGLESS Boot</p> | <p>CXB500/600 Snagless Boot</p> |

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9