Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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BOMAR
INTERCONNECT PRODUCTS, INC.

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	RoHS	Cable	Tool PN
SBC1164B	☑	1164B	BDHD200
SBC1167B	☑	1167B	BDHD200
SBC1407B	☑	1407B	BDHD100
SBC1426	☑	1426	BDHD100
SBC1505A	☑	1505A	BDHD100
SBC1506A	☑	1506A	BDHD100
SBC1520A	☑	1520A	BDHD200
SBC1694A	☑	1694A	BDHD100
SBC1695A	☑	1695A	BD10410
SBC1855A	☑	1855A	BDHD200
SBC1865A	☑	1865A	BDHD200
SBC5565	☑	5565	BDHD100
SBC5765	☑	5765	BDHD100
SBC7501	☑	7501	BDHD100
SBC7536	☑	7536	BDHD200
SBC7538	☑	7538	BDHD100
SBC7731A	☑	7731A	BD11012A
SBC8279	☑	8279	BDHD100

Part Number	RoHS	Cable	Tool PN
SBC82108	☑	82108	BDHD100
SBC8218	☑	8218	BDHD200
SBC82259	☑	82259	BDHD100
SBC8215	☑	8215	BDHD100
SBC8241	☑	8241(A)	BDHD100
SBC8279	☑	8279(A)	BDHD100
SBC8281	☑	8281(B),(F)	BDHD100
SBC83264	☑	83264	BDHD100
SBC88281	☑	88281	BDHD100
SBC89108	☑	89108	BDHD100
SBC89259	☑	89259	BDHD100
SBC9141	☑	9141	BDHD100
SBC9165	☑	9165	BDHD100
SBC9209	☑	9209	BDHD100
SBC9221	☑	9221	BD11016
SBC9231	☑	9231	BDHD100
SBC9248	☑	9248	BDHD100
SBC9259	☑	9259, 9659	BDHD100

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

REQUEST QUOTE   REQUEST DRAWING
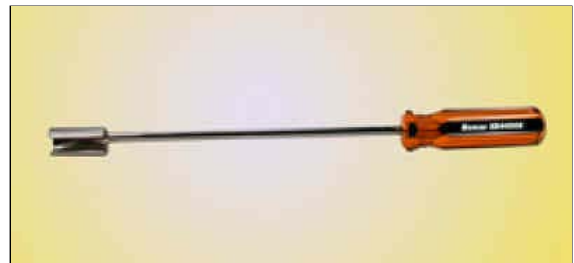
broadcast distributors

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 *

REQUEST QUOTE

* 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.

REQUEST QUOTE

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.	RoHS	Description	Hex Crimp	Tool
RBC1505A	☑	RCA crimp for 1505A cable	.255/.068	BDHD100
RBC1694A	☑	RCA crimp for 1694A cable	.324/.068	BDHD100
RBC1855A	☑	RCA crimp for 1855A cable	.178/.068	BDHD200

☑ RoHS compliant   REQUEST QUOTE   REQUEST DRAWING

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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.	RoHS	Fig.	Description
KCC1505B	☑	1	**BNC** compression for 1505A cable (RG 59) DISCONTINUED
KCC1505F	☑	2	**F** compression for 1505A cable (RG 59) RED **
KCC1505R	☑	3	**RCA** compression for 1505A cable (RG 59) DISCONTINUED
KCC1694B	☑	1	**BNC** compression for 1694A cable (RG 6) DISCONTINUED
KCC1694BQ	☑	1	**BNC** compression for 1694A cable (RG 6 QUAD) DISCONTINUED
KCC1694F	☑	2	**F** compression for 1694A cable (RG 6) YELLOW ** DISCONTINUED
KCC1694FQ	☑	2	**F** compression for 1694A cable (RG 6 QUAD) BLUE **
KCC1694R	☑	3	**RCA** compression for 1694A cable (RG 6)
KCC1855B	☑	1	**BNC** compression for 1855A cable (RG 59 mini)
KCC1855F	☑	2	**F** compression for 1855A cable (RG 59 mini) DISCONTINUED
KCC1855R	☑	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	RoHS	Cable	Hex Crimp	Tool
HBC1505A	☑	1505A	.255/.042*	BDHD100
HBC1694A	☑	1694A	.324/.042*	BDHD100
HBC1694AX	☑	1694A	.278/.042*	BDHD100
HBC1855A	☑	1855A	.178/.042*	BDHD200
HBC179DT	☑	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

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BD17900

REQUEST QUOTE

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 . . .

-37dB

2

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.	RoHS	Description	Fig.
310A205A	☑	6, 21AWG Center Conductor	1
310A205A18	☑	6 CATV, 18AWG Center Conductor	1
310A204F	☑	58A/U, 58C/U Stranded, 141, Thin PVC	1
310A205FS	☑	58/U Solid Conductor	1
310A205FV	☑	58/U Thin-Net Plenum	2
310A204G	☑	59, 62, 210	1
310A205G20	☑	RG59 20 AWG Center Cond.	1
310A205G23	☑	Belden 8241	1
310A205MV	☑	174, 178, 196, Mini RGB Cable	3
310A205N	☑	179, 187	3
310A205P	☑	223	1
310B205Q	☑	Belden 8281 True 75 Ohms	1
310A204T	☑	59, 62, Plenum	2
310A208W2	☑	Mini 59, RGB Cable (26 AWG)	2
320A204F	☑	58A/U, 58C/U Stranded, 141, Thin PVC	4
320A204G	☑	59, 62, 210	4
320A205FV	☑	174, 178, 196, Mini RGB Cable	5
320A204T	☑	59, 62, Plenum	5

☑ 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.	RoHS	Description	Fig.
110A205BC	☑	"N" Cable Plug to Fit RG8 and RG214 Cables	6

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

☑ RoHS compliant   REQUEST QUOTE   REQUEST DRAWING

Fig.6

3

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	RoHS	Description	Fig.
1303505	☑	N Male to BNC Male	1
1313505	☑	N Male to BNC Female	2

1323505	☑	N Female to BNC Female	3
132A505	☑	N Female to Female	4
151A505	☑	N Right Angle Male to Female	5
330A505	☑	BNC Male to Male	6
332A505	☑	BNC F/F 50Ω Splice	7
332A705	☑	BNC F/F 75Ω Splice	7
335A544	☑	BNC F/F 50Ω Panel	8
335A744	☑	BNC F/F 75Ω Panel	8
335R544	☑	BNC F/F 50Ω Isolated Panel	8
335R744	☑	BNC F/F 75Ω Isolated Panel	8
343A505	☑	BNC F/M/F "T" Adapter	9
345A505	☑	BNC F/F/F "T" Adapter	10
5313501	☑	TNC Male to BNC Female	11
R0811	☑	RCA Female to N Male	12
R0842	☑	RCA Male to BNC Male	13
R0844	☑	RCA Male to BNC Female	14
R0847	☑	RCA Male to F Male	15
R0849	☑	RCA Male to F Female	16
☑ 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) i**s 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.)
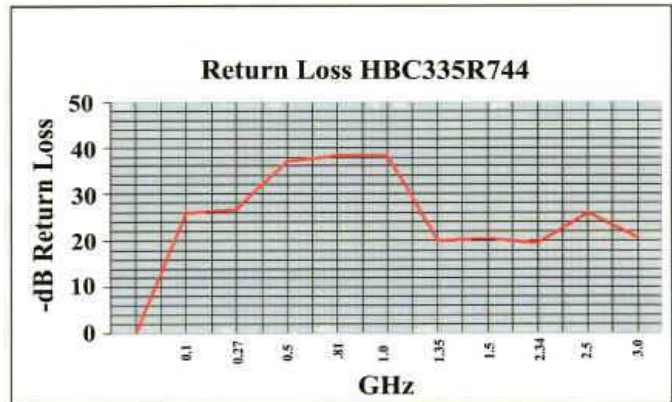
bodies, Gold plated contacts.

☑ RoHS compliant   REQUEST QUOTE

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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.

Return Loss HBC335R744

Part No.	RoHS	Description
HBC335R744	☑	BNC F/F **HD** Isolated 75Ω Panel Feed thru

☑ RoHS compliant   REQUEST QUOTE   REQUEST DRAWING

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.	RoHS	Description
HBC310X075	☑	BNC F/F **HD** Isolated 75Ω Panel Feed thru

☑ RoHS komplian   REQUEST QUOTE   REQUEST DRAWING

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	☑	6P6C **EZ-RJ12** Plug	RJ12
300568EZ	☑	8P8C **EZ-RJ45 Category 5** Plug	RJ45
300668EZ	☑	8P8C **EZ-RJ45 Category 6** Plug *NEW*	RJ45
300668SEZ	☑	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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BD45000 Crimp & Trim Tool

EZ-RJ45 Cat 6 *Shielded* with *SNAGLESS* Boot

CXB500/600 Snagless Boot

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