



Modular Systems

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RF COAXIAL & INTERCONNECT PRODUCTS
Telecom, Datacom, Test and Measurement Applications



M/A-COM's Expertise spans the spectrum... dc through millimeter wave

At M/A-COM, core technologies include material fabrication and processing, circuit design and high volume production.

Materials expertise includes silicon and gallium arsenide. Circuit design capability encompasses passive transmission line circuits through complex integrated circuits in monolithics and hybrid technologies. The latest high volume production techniques are applied to wafers, chips and integrated circuits. This combined with our extensive packaging experience in ceramics and plastics, provides dramatic cost efficiencies.

You'll find our products in commercial applications like cellular telephones, wireless LANs, advanced automotive electronics, and satellite and navigation systems. You'll find us in defense applications too, like radars, missile systems, EW and surveillance. You'll find M/A-COM wherever RF, microwave or millimeter wave expertise and quality manufacturing is critical.

Semiconductors

- Diodes
- Silicon and GaAs Wafers
- Transistors
- MMIC/HMIC™/IGMIC™

Control Components

- PIN Diode/GaAsFET Switches
- Attenuators
- Phase Shifters
- Limiters
- E/M Switches
- Receiver Protectors

Sources

- VCO
- Gunn
- Transceivers
- Transistor
- Synthesizers
- YIG Tuned

Amplifiers

- Low Noise
- Small Signal
- Linearized/Power
- Gain Blocks

Receiver Components

- Mixers
- LNAs
- Log IF Amps
- Discriminators
- Detectors
- DLVAs

Antennas

- Horns
- Slot
- GPS
- CNI
- Feeds
- Spirals
- ECM
- Wireless

Passive Components

- Isolators
- Circulators
- Filters
- Waveguide Ferrite
- Couplers
- Dividers
- Transformers
- Attenuators
- Terminations
- Rotary Joint

Integrated Assemblies

- RF, Microwave and Millimeter Wave

Cable Assemblies

- High Performance
- CNI
- EW
- Delay Lines
- Test/Instrument

Connectors

- Standard
- Miniature
- Microminiature
- Blind Mate
- Surface Mount
- Millimeter Wave

GaAs Materials

- Substrates
- Wafers
- Bulk

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How to Order

Please specify M/A-COM's part number and description of items. If special features are required, describe completely, and a special part number will be assigned at our plant. Address your order to the factory or nearest M/A-COM field office.

Terms

Net 30 days F.O.B. our plant.

Specifications

Specifications may change or products may be discontinued at M/A-COM's discretion without prior notice.

Warranty

M/A-COM warrants products of its manufacture to be free from defects in material and workmanship under conditions of normal use. If within one year after delivery to the original owner and after pre-paid return by the original owner, any M/A-COM product is found to be defective, M/A-COM shall, at its option, repair or replace said defective unit. This warranty does not apply to products which have been disassembled, modified or subjected to conditions exceeding the applicable specifications or ratings. M/A-COM reserves the right to make design changes without notice on any of its products without any obligation to make the same or similar changes to units previously purchased. In no event does M/A-COM assume liability for installation labor or for consequential damages. This warranty is the extent of the obligation or liability assumed by M/A-COM with respect to its products, and no other warranty or guarantee is either expressed or implied.

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M/A-COM INTERCONNECT PRODUCTS

PIONEERS IN INTERCONNECT TECHNOLOGY FOR OVER 40 YEARS

M/A-COM has been the leading manufacturer of RF and microwave connectors for over four decades. Our commitment to quality is evident in every product and service we provide. Our engineering staff enjoys worldwide recognition in setting the industry standards for RF and microwave coaxial and twinax connectors. We provide innovative technological solutions to our customers' needs with the support of the latest automated design equipment.

M/A-COM offers state-of-the art technology with our broad selection of coaxial and fiber optic cable assemblies, fiber optic connectors, adapters and patch panels that are supplied to markets throughout the United States, Europe and Asia.

Capabilities and Facilities

M/A-COM's vertical integration provides complete in-house control of every operation from design and development to fabrication, assembly and test. This capability enables M/A-COM to produce an extensive range of low-cost, high-quality, high performance products for government and commercial applications. Our facilities house one of the Corporation's Centers of Excellence, the Precious Metal Plating Shop, and a machining center that produces over 20 million precision-turned piece parts a year.

M/A-COM's cable assembly testing capabilities include vibration (sine/random), shock, temperature/altitude, humidity, salt fog, helium & vapor leak and high CW/Peak power. We have the unique capability of testing cable assemblies at full rated power, high temperature and high altitude simultaneously. We also test flexure endurance, abrasion resistance, RF shielding effectiveness and exposure to chemicals/fluids in accordance with the applicable military specifications.

Supporting Your Needs

M/A-COM's commitment to excellence as a manufacturer is reflected in our state-of-the-art facilities and highly skilled, specialized workforce. We measure our quality in parts-per-million. When you contact M/A-COM, you will find a proficient Sales and Applications Engineering staff eager to support your needs.

M/A-COM's Interconnect products are marketed through a comprehensive network of M/A-COM field offices and representatives. Our authorized distributors inventory millions of dollars worth of products for immediate delivery.

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Part Number System

Plating Finishes

M/A-COM part numbers utilizing a 13 digit configuration offer a variety of plating finishes as designated by the codes listed below.

To select a required plating finish, replace the • shown in the part number with the appropriate code letter. For example, to select nickel plating replace the • in the part number with the letter J: B35 A41 J 010 X99.

Code E Silver plated and passivated body and center contact.

Code B White bronze plated body and gold contact.¹

Code H Bright nickel plated body and silver plated center contact.

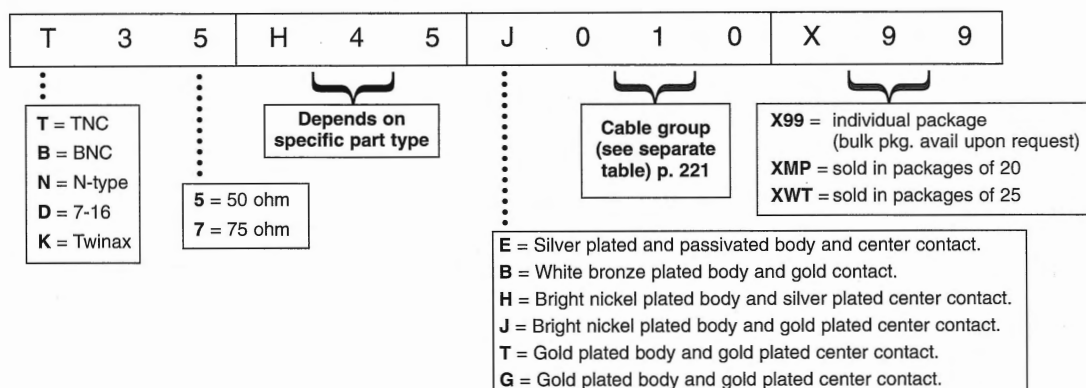
Code J Bright nickel plated body and gold plated center contact.

Code T Gold plated body and gold plated center contact.²

Code G Gold plated body and gold plated center contact.

M/A-COM Part Number Nomenclature

As an example, consider T35 H45 J010 X99:



¹ Contact on 7-16 connectors are silver plated for intermod benefits.

² Other non critical parts are bright nickel plated.

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BNC Series

Features

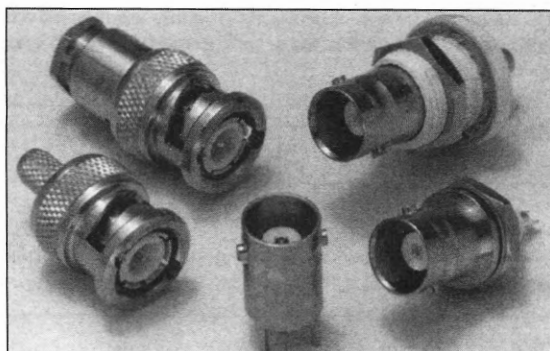
- Fast Connect/Disconnect Facility
- 50 ohm and 75 ohm Compatible Versions
- Choice of Plating Options
- Cable Connectors, PCB, Bulkhead, Panel and Adapters Available
- Available for a Wide Selection of Cables
- Choice of Solder/Clamp and Crimp/Crimp Cable Entry Connectors
- Strain Relief Boots Available For All Crimp Connectors
- Solder Tags Available

BNC connectors have a bayonet lock coupling mechanism to provide a fast connect/disconnect coaxial termination. The range covers cable entry (flexible) and PCB, bulkhead, panel and adapter versions and most are available in 50 ohm or 75 ohm compatible impedance. The most popular cable connectors are those with a solder center contact and clamp outer contact, or crimp center contact and crimp outer contact. Full crimp versions offer reduced production time and fast, consistent, reliable connections at a low installed cost. Other cable connectors are also available such as plugs with a pre-fitted center contact and a crimp outer, offering rapid assembly and ideal suitability for field applications. Standard finish is bright nickel plated body and gold plated center contact. Other finishes are also available.

M/A-COM BNC connectors are manufactured to ensure compatibility with connectors manufactured to the MIL-C-39012 specification.

The following factors should be considered when selecting a connector:

Series(Consider Application, Compatibility)
Impedance(50 or 75 ohms)
Style(Plug, Jack, Adapter...etc.)
Finish(Bright Nickel, Gold...etc.)
Method of Assembling Connector
to Cable(Crimp, Clamp or Solder)



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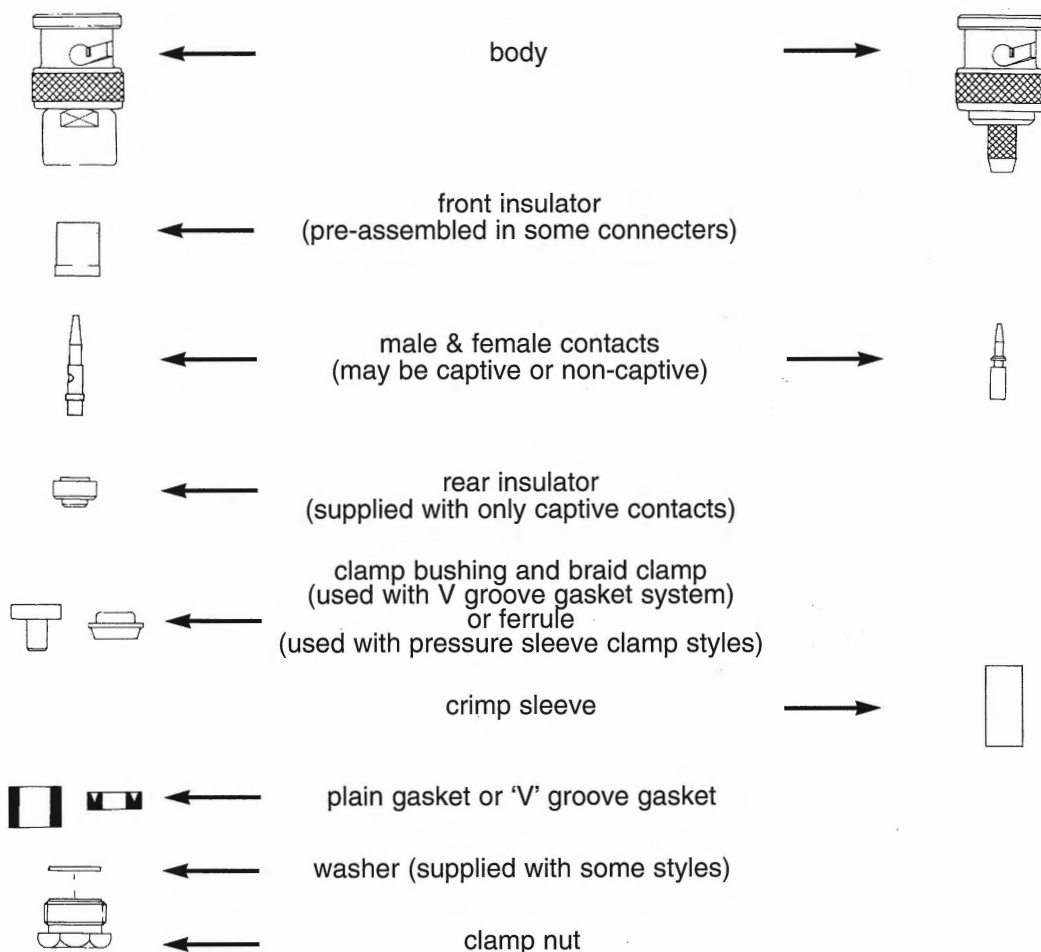
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TYPICAL PIECE PARTS IN SOLDER/CLAMP AND CRIMP/CRIMP CONNECTERS

Solder/clamp connectors

Solder/crimp and crimp/crimp connectors



The piece parts indicated above are typical for BNC connectors.

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BNC Series Specifications

BNC connectors have been designed to be fully intermatable with MIL-C-39012 connectors. All the information included within this page is typical for the series but will not necessarily apply to every style or version.

| Specification | Straight Cable Connectors | Right Angle Cable Connectors and Adapters | Tee Adapters and Receptacles |
|--|--|--|------------------------------|
| V.S.W.R. at 1 GHz V.S.W.R. at 4 GHz | 1.05 max 1.30 max | 1.10 max 1.35 max | NA NA |
| Max capacitance Max insertion loss (at 3 GHz) R.F. leakage (between 2 GHz & 3 GHz) | NA 0.20 dB -55dB min -55dB max | NA 0.30 dB NA | 5 pF NA NA |
| Max working voltage d.c. (At sea level) (At an altitude of 26 km) Max proof voltage d.c. (At sea level) (At an altitude of 26 km) Max proof voltage R.F. (5 MHz at sea level) Max currant rating d.c. Insulation resistance (min) Max contact resistance (Center contact) (Outer contact) (Braid to body) | 500V 125V 2 kV 500V 1kV rms 1A 5G ohm 1.50m ohm 0.20m ohm 0.10m ohm | | |
| Piece part specification | Base materials | Plating types | |
| Body parts Insulators Gaskets Center contacts | Brass P.T.F.E. Silicone rubber Brass or Beryllium copper | Bright nickel over copper NA NA 1.3-1.6 µm gold over copper | |

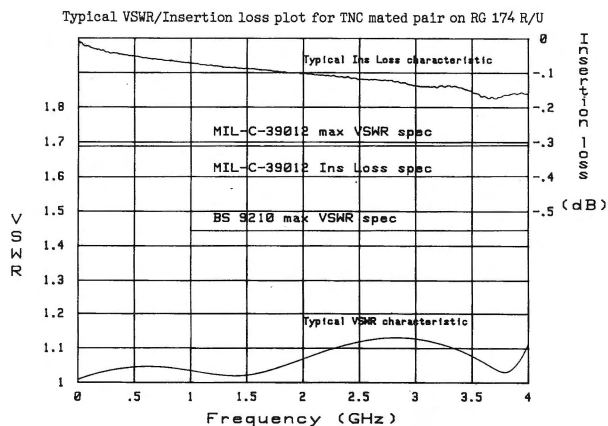
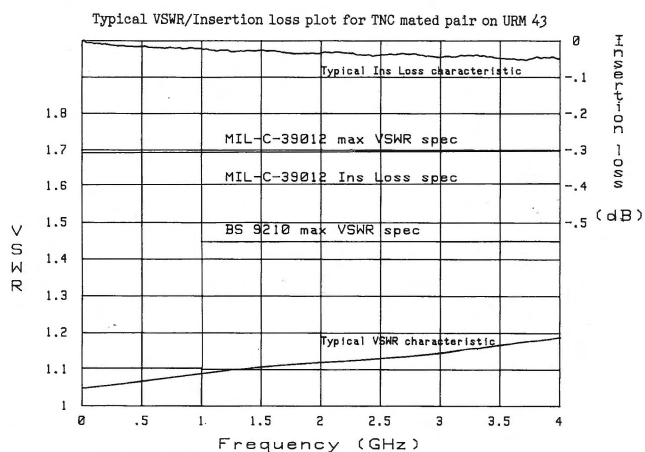
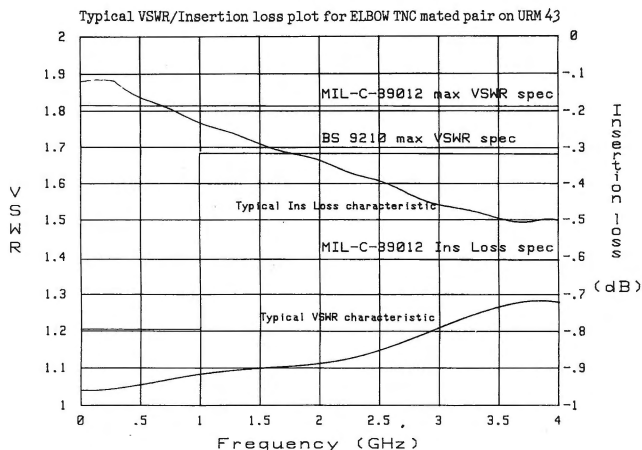
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TYPICAL VSWR AND INSERTION LOSS CHARACTERISTICS



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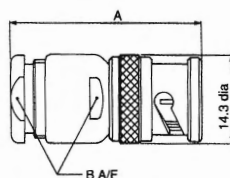
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BNC Series

STRAIGHT PLUGS

**Solder center contact,
clamp outer**



| Impedance | Cable group ① | Part Number ② | A | B | |
|-----------|---------------|-------------------|------|------|---|
| 50 ohm | 009 | B35 A70 • 009 X99 | 28.5 | 11.1 | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 010 | B35 A06 • 010 X99 | 28.5 | 11.1 | UG-style item, non-captive contact, V groove gasket |
| 50 ohm | 010 | B35 A07 • 010 X99 | 28.5 | 11.1 | Captive contact, V groove gasket braid clamp |
| 50 ohm | 010 | B35 A18 • 010 X99 | 27.8 | 11.1 | UG-style item, non-captive contact, V groove gasket |
| 50 ohm | 010 | B35 A70 • 010 X99 | 28.5 | 11.1 | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 022 | B35 A70 • 022 X99 | 28.5 | 11.1 | As above |
| 50 ohm | 027 | B35 A71 • 027 X99 | 30.4 | 12.7 | As above |
| 50 ohm | 060 | B35 A70 • 060 X99 | 28.5 | 11.1 | As above |
| 75 ohm | 007 | B37 A71 • 007 X99 | 30.4 | 12.7 | As above |
| 75 ohm | 012 | B37 A70 • 012 X99 | 28.5 | 11.1 | As above |
| 75 ohm | 022 | B37 A70 • 022 X99 | 28.5 | 11.1 | As above |
| 75 ohm | 025 | B37 A07 • 025 X99 | 28.5 | 11.1 | Captive contact, V groove gasket, braid clamp |
| 75 ohm | 025 | B37 A47 • 025 X99 | 28.0 | 11.1 | UG style item non captive contact, V groove gasket |
| 75 ohm | 025 | B37 A70 • 025 X99 | 28.0 | 11.1 | Captive contact, pressure sleeve cable clamp |
| 75 ohm | 027 | B37 A71 • 027 X99 | 30.4 | 12.7 | As above |
| 75 ohm | 028 | B37 A71 • 028 X99 | 30.4 | 12.7 | As above |
| 75 ohm | 030 | B37 A70 • 030 X99 | 28.5 | 11.1 | As above |
| 75 ohm | 052 | B37 A70 • 052 X99 | 28.5 | 11.1 | As above |
| 75 ohm | 062 | B37 A70 • 062 X99 | 28.5 | 11.1 | As above |
| 75 ohm | 079 | B37 A71 • 079 X99 | 30.4 | 12.7 | As above |
| 75 ohm | 117 | B37 A70 • 117 X99 | 28.5 | 11.1 | As above |
| 75 ohm | 119 | B37 A70 • 119 X99 | 28.5 | 11.1 | As above |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

Please contact the Sales Office for any uncataloged requirements.

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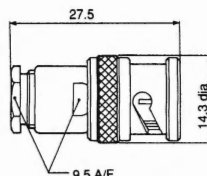
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BNC Series

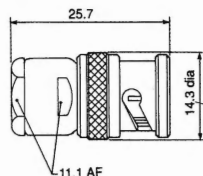
STRAIGHT PLUGS

Solder center contact, clamp outer



| Impedance | Cable group ① | Part Number ② | |
|-----------|---------------|-------------------|--|
| 50 ohm | 010 | B35 A01 • 010 X99 | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 022 | B35 A01 • 022 X99 | As above |
| 50 ohm | 024 | B35 A01 • 024 X99 | As above |
| 50 ohm | 029 | B35 A01 • 029 X99 | As above |
| 50 ohm | 030 | B35 A01 • 030 X99 | As above |
| 50 ohm | 073 | B35 A01 • 073 X99 | As above (for semi-rigid cable) |
| 50 ohm | 010 | B35 A11 • 010 X99 | UG-style item, non-captive contact |
| 75 ohm | 025 | B37 A48 • 025 X99 | As above |

Solder center contact, clamp outer



| Impedance | Cable group ① | Part Number ② | |
|-----------|---------------|-------------------|--|
| 75 ohm | 025 | B37 A53 • 025 X99 | 3 part rapid assembly with tapered ferrule |

① For cable group to cable type cross reference refer to page 200.

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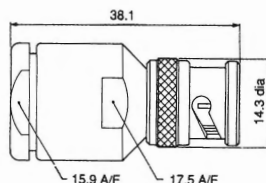
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BNC Series

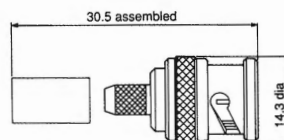
STRAIGHT PLUGS

**Solder center contact,
clamp outer**



| Impedance | Cable group ① | Part Number ② | |
|-----------|---------------|-------------------|--|
| 50 ohm | 001 | B35 A03 • 001 X99 | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 004 | B35 A03 • 004 X99 | As above |

**Crimp center contact,
crimp outer**



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | 010 | B35 A41 • 010 X99 | 30040 or 30039 |
| 50 ohm | 022 | B35 A41 • 022 X99 | 30040 or 30039 |
| 50 ohm | 060 | B35 A41 • 060 X99 | 30040 or 30039 |
| 75 ohm | 007 | B37 A41 • 007 X99 | 30039 |
| 75 ohm | 012 | B37 A41 • 012 X99 | 30040 or 30039 |
| 75 ohm | 022 | B37 A41 • 022 X99 | 30040 or 30039 |
| 75 ohm | A25 | B37 A41 • A25 X99 | 30040 or 30039 |
| 75 ohm | B25 | B37 A41 • B25 X99 | 30040 or 30039 |
| 75 ohm | B35 | B37 A41 • B35 X99 | 30039 |
| 75 ohm | 062 | B37 A55 • 062 X99 | 30039 |
| 75 ohm | 117 | B37 A55 • 117 X99 | 30039 |
| 75 ohm | 366 | B37 A41 • 366 X99 | 30040 or 30039 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

④ Other colors available. Please contact the Sales Office.

Please contact the Sales Office for any uncataloged requirements.

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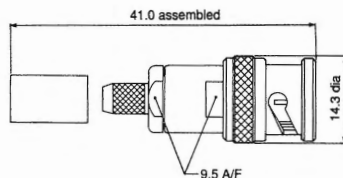
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BNC Series

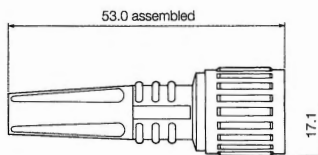
STRAIGHT PLUGS

**BT crimp, crimp center
contact crimp outer**



| Impedance | Cable group ① | Part Number ② | | Crimp tool ③ |
|-----------|---------------|-------------------|---------------------------------|--------------|
| 75 ohm | 030 | B37 A91 • 030 X99 | Crimp and clamp together design | 30039 |
| 75 ohm | 062 | B37 A91 • 062 X99 | As above | 30039 |
| 75 ohm | 117 | B37 A91 • 117 X99 | As above | 30039 |

**Insulated plug, crimp center
contact crimp outer**



| Impedance | Cable group ① | Part Number ② | Color ④ | Crimp tool ③ |
|-----------|---------------|-------------------|---------|----------------|
| 50 ohm | B10 | B35 A04 • B10 X99 | Grey | 30040 or 30039 |
| 75 ohm | B25 | B37 A04 • B25 X99 | Black | 30040 or 30039 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 40.

④ Other colors available. Please contact the Sales Office.

Please contact the Sales Office for any uncataloged requirements.

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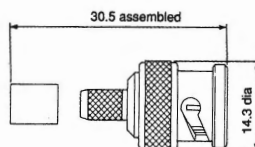
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BNC Series

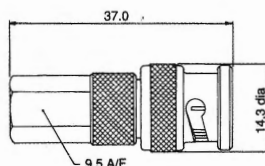
STRAIGHT PLUGS

Pre-fitted center contact,
crimp outer



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|---------------------------------------|
| 75 ohm | A25 | B37 A74 • A25 X99 | Fast assembly, two piece design 30040 |

Free Plug



| Impedance | Cable group | Part Number |
|-----------|-------------|------------------|
| 50 ohm | 010 | B35 A98 H010 X99 |
| 75 ohm | A25 | B37 A98 HA25 X99 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

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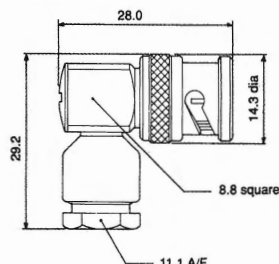
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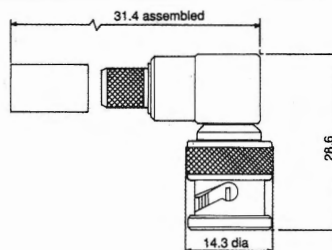
ELBOW PLUGS

**Solder center contact,
clamp outer**



| Impedance | Cable group ① | Part Number ② | |
|-----------|---------------|-------------------|---|
| 50 ohm | 010 | B35 B02 • 010 X99 | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 010 | B35 B12 • 010 X99 | Captive contact, V groove gasket, braid clamp |
| 50 ohm | 022 | B35 B02 • 022 X99 | Captive contact, pressure sleeve cable clamp |
| 75 ohm | 012 | B37 B02 • 012 X99 | Captive contact, pressure sleeve cable clamp |
| 75 ohm | 022 | B37 B02 • 022 X99 | As above |
| 75 ohm | 025 | B37 B02 • 025 X99 | As above |
| 75 ohm | 025 | B37 B12 • 025 X99 | Captive contact, V groove gasket, braid clamp |
| 75 ohm | 052 | B37 B02 • 052 X99 | Captive contact, pressure sleeve cable clamp |
| 75 ohm | 062 | B37 B02 • 062 X99 | As above |

**Crimp center contact,
crimp outer**



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | 010 | B35 B28 • 010 X99 | 30040 or 30039 |
| 50 ohm | 022 | B35 B28 • 022 X99 | 30040 or 30039 |
| 50 ohm | 060 | B35 B28 • 060 X99 | 30040 or 30039 |
| 75 ohm | 012 | B37 B28 • 012 X99 | 30040 or 30039 |
| 75 ohm | 022 | B37 B28 • 022 X99 | 30040 or 30039 |
| 75 ohm | A25 | B37 B28 • A25 X99 | 30040 or 30039 |
| 75 ohm | B25 | B37 B28 • B25 X99 | 30040 or 30039 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

Please contact the Sales Office for any uncataloged requirements.

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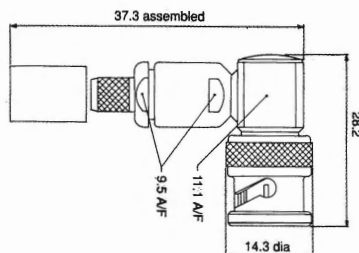
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BNC Series

ELBOW PLUGS

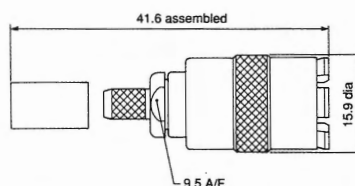
**BT crimp, solder center contact,
crimp outer**



| Impedance | Cable group ① | Part Number ② | | Crimp tool ③ |
|-----------|---------------|-------------------|---|--------------|
| 75 ohm | 062 | B37 B92 • 062 X99 | Solder, crimp and clamp together design | 30039 |
| 75 ohm | 117 | B37 B92 • 117 X99 | As above | 30039 |

COLLET LOCK PLUG

**Collet lock, crimp
center contact,
crimp outer**



M/A-COM collet lock plugs mate with standard BNC sockets, but utilize a special collet lock mechanism in place of the normal BNC bayonet coupling. This gives consistent and much improved screening efficiency together with low contact resistance in outer co-axial path, use of these connectors provides the opportunity to upgrade the overall screening performance of systems using BNC sockets, with consequent benefits in respect of reduced r.f. leakage and reduced susceptibility to external interference signals. The level of screening provided is better than that needed to compliment double braided cables, and is appropriate for many of the newly developed superscreened cables—for example, those developed at UKAEA Winfrith. The connectors use crimped terminations for inner conductor and screen.

| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | 339 | B35 A26 • 339 X99 | 30040 or 30039 |
| 50 ohm | 344 | B35 A26 • 344 X99 | 30040 or 30039 |
| 75 ohm | 062 | B37 A26 • 062 X99 | 30039 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

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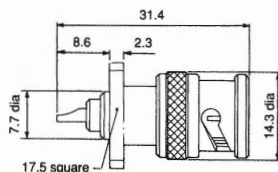
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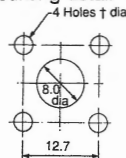
BNC Series

PANEL PLUG

Straight



mounting detail



fixing hole sizes
(see part number)
M2.5 x 0.45 — 6H=D
3.56 UNF=E
4.40 UNC=F
6 BA=G
3.0mm=H
2.8mm=K

Impedance

50 ohm

75 ohm

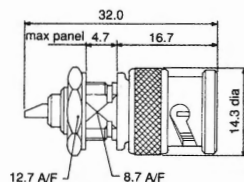
Part Number ②

B35 C86 • 999 †99

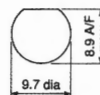
B37 C86 • 999 †99

BULKHEAD PLUG

Front Mount



mounting detail



Impedance

50 ohm

75 ohm

Part Number ②

B35 D76 • 999 X99

B37 D76 • 999 X99

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

† Replace the † in the part number with the letter corresponding to fixing hole sizes.

Please contact the Sales Office for any uncataloged requirements.

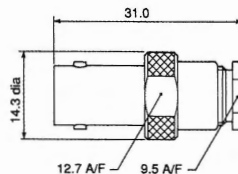
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M/A-COM, Inc.

BNC Series

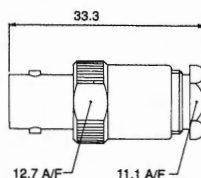
STRAIGHT JACKS

Solder center contact, clamp outer



| Impedance | Cable group ① | Part Number ② | |
|-----------|---------------|-------------------|--|
| 50 ohm | 010 | B35 E13 • 010 X99 | UG-style item, non-captive contact |
| 50 ohm | 022 | B35 E03 • 022 X99 | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 030 | B35 E03 • 030 X99 | As above |
| 75 ohm | 025 | B37 E21 • 025 X99 | UG-style item, non-captive contact |

Solder center contact, clamp outer



| Impedance | Cable group ① | Part Number ② | |
|-----------|---------------|-------------------|---|
| 50 ohm | 010 | B35 E06 • 010 X99 | UG-style item, non-captive contact |
| 50 ohm | 010 | B35 E07 • 010 X99 | Captive contact, V groove gasket, braid clamp |
| 50 ohm | 010 | B35 E20 • 010 X99 | UG-style item, non-captive contact, V groove gasket |
| 50 ohm | 010 | B35 E60 • 010 X99 | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 022 | B35 E60 • 022 X99 | As above |
| 75 ohm | 012 | B37 E60 • 012 X99 | As above |
| 75 ohm | 022 | B37 E60 • 022 X99 | As above |
| 75 ohm | 025 | B37 E22 • 025 X99 | UG-style item, non-captive contact, V groove gasket |
| 75 ohm | 025 | B37 E60 • 025 X99 | Captive contact, pressure sleeve cable clamp |
| 75 ohm | 052 | B37 E60 • 052 X99 | As above |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.
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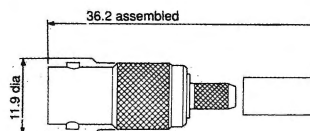
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BNC Series

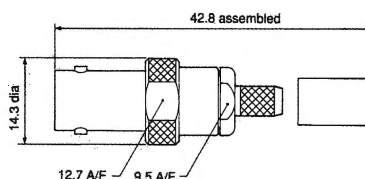
STRAIGHT JACKS

Crimp center contact, crimp outer



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | 010 | B35 E43 • 010 X99 | 30040 or 30039 |
| 50 ohm | 022 | B35 E43 • 022 X99 | 30040 or 30039 |
| 50 ohm | 060 | B35 E43 • 060 X99 | 30040 or 30039 |
| 75 ohm | 012 | B37 E43 • 012 X99 | 30040 or 30039 |
| 75 ohm | 022 | B37 E43 • 022 X99 | 30040 or 30039 |
| 75 ohm | A25 | B37 E43 • A25 X99 | 30040 or 30039 |
| 75 ohm | B25 | B37 E43 • B25 X99 | 30040 or 30039 |

Crimp center contact, crimp outer



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|--------------|
| 75 ohm | 062 | B37 E93 • 062 X99 | 30039 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

† Replace the † in the part number with the letter corresponding to fixing hole sizes.

Please contact the Sales Office for any uncataloged requirements.

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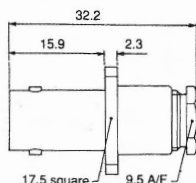
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BNC Series

PANEL JACKS

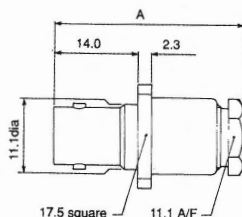
Solder center contact, clamp outer



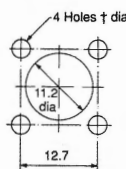
fixing hole sizes
(see part number)
M2.5 x 0.45 — 6H=D
3.56 UNF=E
4.40 UNC=F
6 BA=G
3.0mm=H
2.8mm=K

| Impedance | Cable group ① | Part Number ② | |
|-----------|---------------|-------------------|--|
| 50 ohm | 022 | B35 G04 • 022 †99 | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 024 | B35 G04 • 024 †99 | As above |
| 50 ohm | 073 | B35 G04 • 073 †99 | As above (for semi-rigid cable) |

Solder center contact, clamp outer



mounting detail



fixing hole sizes
(see part number)
M2.5 x 0.45 — 6H=D
3.56 UNF=E
4.40 UNC=F
6 BA=G
3.0mm=H
2.8mm=K

| Impedance | Cable group ① | Part Number ② | Dim A | |
|-----------|---------------|-------------------|---------|--|
| 50 ohm | 010 | B35 G06 • 010 †99 | 31.0 mm | UG-style item, non-captive V groove gasket |
| 50 ohm | 010 | B35 G24 • 010 †99 | 31.0 mm | As above |
| 50 ohm | 010 | B35 G57 • 010 †99 | 31.0 mm | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 022 | B35 G57 • 022 †99 | 31.0 mm | As above |
| 50 ohm | 060 | B35 G57 • 060 †99 | 31.0 mm | As above |
| 75 ohm | 012 | B37 G57 • 012 †99 | 31.0 mm | As above |
| 75 ohm | 022 | B37 G57 • 022 †99 | 31.0 mm | As above |
| 75 ohm | 025 | B37 G57 • 025 †99 | 31.0 mm | As above |
| 75 ohm | 052 | B37 G57 • 052 †99 | 31.0 mm | As above |
| 75 ohm | 119 | B37 G57 • 119 †99 | 31.0 mm | As above |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

† Replace the † in the part number with the letter corresponding to fixing hole sizes.

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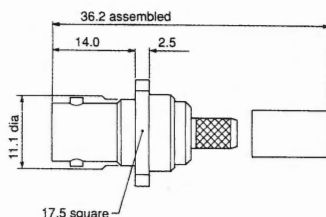
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BNC Series

PANEL JACKS

Crimp center contact, crimp outer



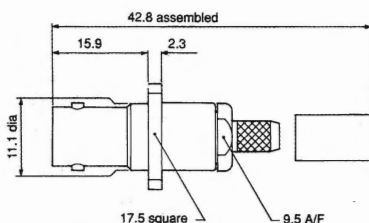
mounting detail



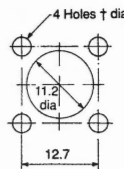
fixing hole sizes
(see part number)
M2.5 x 0.45 — 6H=D
3.56 UNF=E
4.40 UNC=F
6 BA=G
3.0mm=H
2.8mm=K

| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | 010 | B35 G44 • 010 †99 | 30040 or 30039 |
| 50 ohm | 022 | B35 G44 • 022 †99 | 30040 or 30039 |
| 50 ohm | 060 | B35 G44 • 060 †99 | 30040 or 30039 |
| 75 ohm | A25 | B37 G44 • A25 †99 | 30040 or 30039 |
| 75 ohm | B25 | B37 G44 • B25 †99 | 30040 or 30039 |

Crimp center contact, crimp outer



mounting detail



fixing hole sizes
(see part number)
M2.5 x 0.45 — 6H=D
3.56 UNF=E
4.40 UNC=F
6 BA=G
3.0mm=H
2.8mm=K

| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|--------------|
| 75 ohm | 062 | B37 G94 • 062 †99 | 30039 |
| 75 ohm | 117 | B37 G94 • 117 †99 | 30039 |

- ① For cable group to cable type cross reference refer to page 200.
 ② Replace the • in the part number with required plating code, see page 3 for details.
 ③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.
 † Replace the † in the part number with the letter corresponding to fixing hole sizes.
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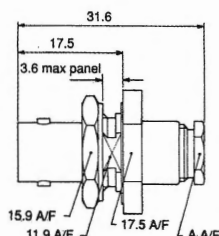
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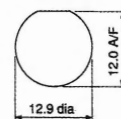
BNC Series

BULKHEAD JACKS

**Solder center contact,
clamp outer**



mounting detail



| Impedance | Cable group ① | Part Number ② | Dim A | |
|-----------|---------------|-------------------|----------|---|
| 50 ohm | 009 | B35 H39 • 009 X99 | 11.10 mm | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 010 | B35 H05 • 010 X99 | 11.10 mm | UG-style term non-captive contact, V groove gasket |
| 50 ohm | 010 | B35 H06 • 010 X99 | 11.10 mm | As above |
| 50 ohm | 010 | B35 H07 • 010 X99 | 11.10 mm | Captive contact, V groove gasket, braid clamp |
| 50 ohm | 010 | B35 H39 • 010 X99 | 11.10 mm | Captive contact, pressure sleeve cable clamp |
| 50 ohm | 022 | B35 H30 • 022 X99 | 9.53 mm | As above |
| 50 ohm | 022 | B35 H39 • 022 X99 | 11.10 mm | As above |
| 50 ohm | 024 | B35 H30 • 024 X99 | 9.53 mm | As above |
| 75 ohm | 012 | B37 H39 • 012 X99 | 11.10 mm | As above |
| 75 ohm | 022 | B37 H39 • 022 X99 | 11.10 mm | As above |
| 75 ohm | 025 | B37 H07 • 025 X99 | 11.10 mm | Captive contact, V groove gasket, braid clamp |
| 75 ohm | 025 | B37 H39 • 025 X99 | 11.10 mm | Captive contact, pressure sleeve cable clamp |
| 75 ohm | 025 | B37 H40 • 025 X99 | 11.10 mm | UG-style item, non-captive contact, V groove gasket |
| 75 ohm | 025 | B37 H50 • 025 X99 | 11.10 mm | As above |
| 75 ohm | 052 | B37 H39 • 052 X99 | 11.10 mm | Captive contact, pressure cable clamp |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

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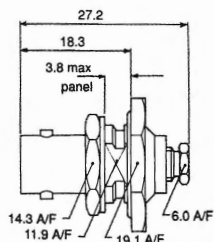
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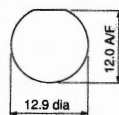
BNC Series

BULKHEAD JACKS

**Solder center contact,
clamp outer**
(rear mount for miniature cables)



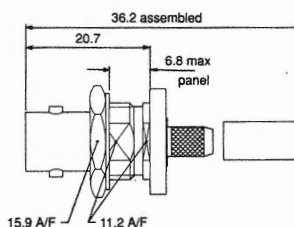
mounting detail



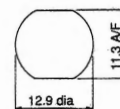
| Impedance | Cable group ① | Part Number ② |
|-----------|---------------|-------------------|
| 50 ohm | 022 | B35 H03 • 022 X99 |
| 50 ohm | 024 | B35 H03 • 024 X99 |

Captive contact, pressure sleeve cable clamp
As above

**Crimp center contact,
crimp outer**
(rear mount)



mounting detail



| Impedance | Cable group ① | Part Number ② |
|-----------|---------------|-------------------|
| 75 ohm | B25 | B37 H79 • B25 X99 |

Captive contact

Crimp tool ③
30040 or 30039

- ① For cable group to cable type cross reference refer to page 200.
 ② Replace the • in the part number with required plating code, see page 3 for details.
 † Replace the † in the part number with the letter corresponding to fixing hole sizes.
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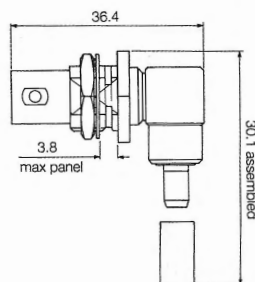
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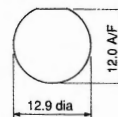
BNC Series

BULKHEAD ELBOW JACK

**Crimp center contact,
crimp outer
(rear mount)**



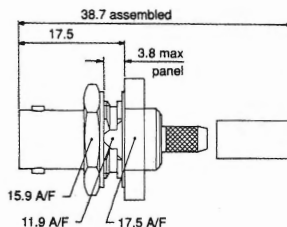
mounting detail



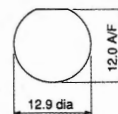
| Impedance | Cable group ① | Part Number ② | Captive contact | Crimp tool ③ |
|-----------|---------------|-------------------|-----------------|----------------|
| 50 ohm | B10 | B35 H14 • B10 X99 | | 30040 or 30039 |

BULKHEAD JACKS

**Crimp center contact,
crimp outer
(rear mount)**



mounting detail



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | 010 | B35 H45 • 010 X99 | 30040 or 30039 |
| 50 ohm | 022 | B35 H45 • 022 X99 | 30040 or 30039 |
| 50 ohm | 060 | B35 H45 • 060 X99 | 30040 or 30039 |
| 75 ohm | 012 | B37 H45 • 012 X99 | 30040 or 30039 |
| 75 ohm | 022 | B37 H45 • 022 X99 | 30040 or 30039 |
| 75 ohm | A25 | B37 H45 • A25 X99 | 30040 or 30039 |
| 75 ohm | B25 | B37 H45 • B25 X99 | 30040 or 30039 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

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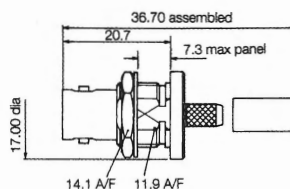
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BNC Series

BULKHEAD JACKS

Insulated crimp center contact, crimp outer (rear mount)

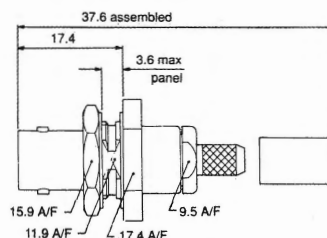


mounting detail

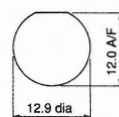


| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | 010 | B35 H51 • B10 X99 | 30040 or 30039 |
| 50 ohm | 022 | B35 H51 • 022 X99 | 30040 or 30039 |
| 75 ohm | A25 | B37 H51 • A25 X99 | 30040 or 30039 |
| 75 ohm | B25 | B37 H51 • A25 X99 | 30040 or 30039 |

Crimp center contact, crimp outer (rear mount)



mounting detail



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|--------------|
| 75 ohm | 062 | B37 H95 • 062 X99 | 30039 |
| 75 ohm | 117 | B37 H95 • 117 X99 | 30039 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

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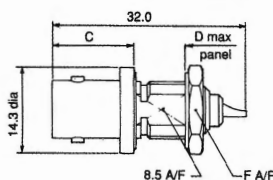
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Fax +44 (1344) 300 020

BNC Series

BULKHEAD SOCKETS

Panel sealed, straight (front mount)

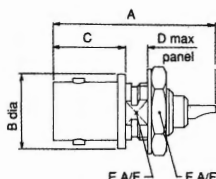


panel mounting detail

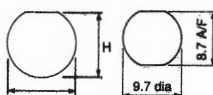


| Impedance | Part Number ① | C | D | F |
|-----------|-------------------|------|-----|------|
| 50 ohm | B35 M08 • 999 X99 | 13.8 | 8.2 | 14.3 |
| 50 ohm | B35 M41 • 999 X99 | 15.1 | 6.8 | 12.7 |
| 75 ohm | B37 M08 • 999 X99 | 13.8 | 8.2 | 14.3 |

Straight (front mount)



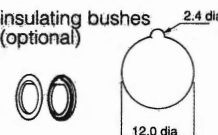
panel mounting detail



style 1

style 2

insulating bushes
(optional)



can only be used with
style 1 versions

| Impedance | Part Number ① | Style | Below | A | B | C | D | (D) | E | F | G | H |
|-----------|-------------------|-------|-------|------|------|------|-----|-----|------|------|------|------|
| 50 ohm | B35 M13 • 999 X99 | 1 | 1 | 32.0 | 12.5 | 12.0 | 9.9 | 9.1 | 8.7 | 12.7 | 9.7 | 8.9 |
| 50 ohm | B35 M26 • 999 X99 | 1 | 1&2 | 27.0 | 12.5 | 12.0 | 5.9 | 5.1 | 8.7 | 12.7 | 9.7 | 8.9 |
| 50 ohm | B35 M27 • 999 X99 | 1 | | 27.0 | 12.5 | 12.0 | 3.8 | 3.0 | 8.7 | 12.7 | 9.7 | 8.9 |
| 50 ohm | B35 M29 • 999 X99 | 1 | 3 | 27.0 | 12.5 | 12.0 | 3.8 | | 10.1 | 12.7 | 11.2 | 10.4 |
| 50 ohm | B35 M63 • 999 X99 | 2 | | 27.0 | 12.5 | 12.0 | 3.8 | 3.0 | 8.5 | 12.7 | 9.7 | 8.7 |
| 50 ohm | B35 M84 • 999 X99 | 1 | 2 | 27.0 | 15.6 | 12.0 | 3.8 | 3.0 | 11.9 | 14.3 | 12.9 | 12.0 |
| 75 ohm | B37 M13 • 999 X99 | 1 | 1 | 32.0 | 12.5 | 12.0 | 9.9 | 9.1 | 8.7 | 12.7 | 9.7 | 8.9 |
| 75 ohm | B37 M26 • 999 X99 | 1 | 1&2 | 27.0 | 12.5 | 12.0 | 5.9 | 5.1 | 8.7 | 12.7 | 9.7 | 8.9 |
| 75 ohm | B37 M27 • 999 X99 | 1 | | 27.0 | 12.5 | 12.0 | 3.8 | 3.0 | 8.7 | 12.7 | 9.7 | 8.9 |
| 75 ohm | B37 M29 • 999 X99 | 1 | 3 | 27.0 | 12.5 | 12.0 | 3.8 | | 10.2 | 12.7 | 11.2 | 10.4 |
| 75 ohm | B37 M63 • 999 X99 | 2 | | 27.0 | 12.5 | 12.0 | 3.8 | 3.0 | 8.5 | 12.7 | 9.7 | 8.7 |
| 75 ohm | B37 M84 • 999 X99 | 1 | 2 | 27.0 | 15.8 | 12.0 | 3.8 | 3.0 | 11.9 | 14.3 | 12.9 | 12.0 |

See notes on following page

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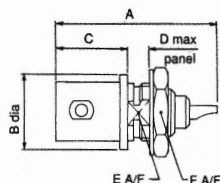
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Europe: Tel. +44 (1344) 869 595
Fax +44 (1344) 300 020

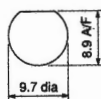
BNC Series

BULKHEAD SOCKETS

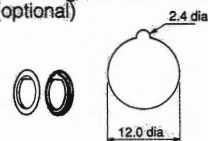
Straight (front mount)



panel mounting detail



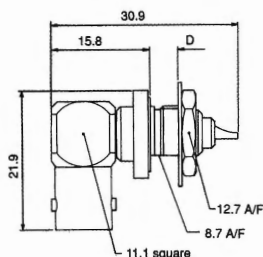
insulating bushes
(optional)



| Impedance | Part Number ① | See Notes Below | A | B | C | D | (D) | E | F |
|-----------|-------------------|-----------------|------|------|------|-----|-----|-----|------|
| 50 ohm | B35 M43 • 999 X99 | 1 | 32.0 | 12.5 | 12.0 | 9.4 | 8.6 | 8.7 | 12.7 |
| 50 ohm | B35 M66 • 999 X99 | | 27.0 | 12.5 | 12.0 | 3.2 | 2.5 | 8.7 | 12.7 |
| 75 ohm | B37 M66 • 999 X99 | | 27.0 | 12.5 | 12.0 | 3.2 | 2.5 | 8.7 | 12.7 |

ELBOW SOCKETS

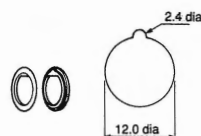
Elbow



mounting detail



insulating bushes
(optional)



| Impedance | Part number ① | D | (D) |
|-----------|-------------------|-----|-----|
| 50 ohm | B35 M09 • 999 X99 | 5.3 | 4.5 |
| 75 ohm | B37 M09 • 999 X99 | 5.3 | 4.5 |

See the notes on page 198 for availability of insulating bushes and solder tags.

See notes for explanation of dimensions D, (D) and ordering codes.

Notes:

Insulating bushes and solder tags are available for the items indicated but the bushes limit the available thread and require a different cut-out (see mounting detail for bush), dimension D is thus reduced—see (D).

NB the basic item uses 999 X99 as a filler code here—but to indicate the addition of a solder tag or insulating bush, use the following numbers in their place Note 1 indicates a product which can take a thicker bush (see page 198).

-001 X99=with solder tag only.

-002 X99=with solder tag and insulating bushes (as shown above and on previous page).

-003 X99=with insulating bushes only (as shown above and on previous page).

1 -004 X99=with solder tag and alternative insulating bushes (see page 198).

1 -005 X99=with alternative insulating bushes only (see page 198).

2 These items have two flats 4 @ 90°, on the body, to allow orientation of the connector in the panel.

3 Solder tags (only) are available as an accessory to this item—enter '001 X99' in the part number.

① Replace the • in the part number with required plating code, see page 3 for details.

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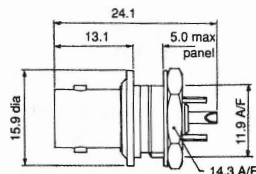
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BNC Series

INSULATED BULKHEAD SOCKETS

Straight, insulated



mounting detail



Impedance

50 ohm

75 ohm

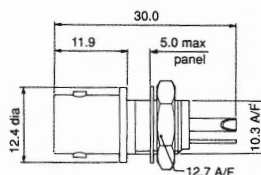
Part Number ①

B35 M49 • 999 X99

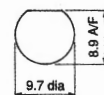
B37 M49 • 999 X99

Separate bushes are not required. Connector features integral insulation of the metal mounting thread and nut.

Straight, insulated



mounting detail



Impedance

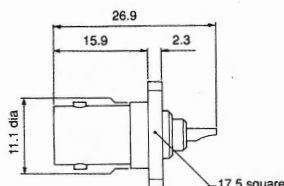
50 ohm

Part Number ①

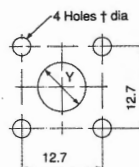
B35 M46 • 999 X99

Separate bushes are not required. Connector features plastic body construction for panel insulation.

Straight



mounting detail



fixing hole sizes
(see part number)
M2.5 x 0.45 — 6H=D
3.56 UNF=E
4.40 UNC=F
6 BA=G
3.0mm=H
2.8mm=K

Impedance

50 ohm

75 ohm

Part Number ①

B35 K07 • 999 †99

B37 K07 • 999 †99

Y = 11.2 for rear mounting

Y = 8.0 for front mounting

① Replace the • in the part number with required plating code, see page 3 for details.

† Replace the † in the part number with the letter corresponding to fixing hole sizes.

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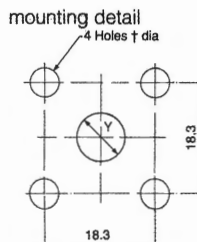
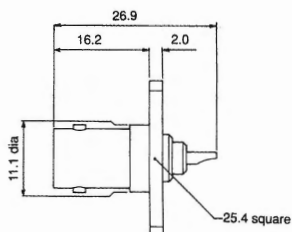
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BNC Series

STRAIGHT PANEL SOCKET

Straight



fixing hole sizes
(see part number)
3.56 UNF=E
4.40 UNC=F
3.2mm=C
2.8mm=K

Impedance

50 ohm

75 ohm

Part Number ①

B35 K83 • 999 †99

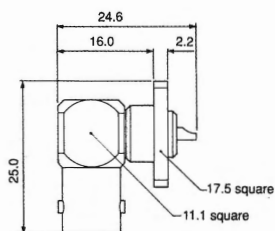
B37 K83 • 999 †99

Y = 11.2 for rear mounting

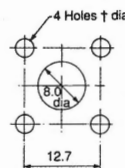
Y = 8.0 for front mounting

ELBOW PANEL SOCKET

Elbow



mounting detail



fixing hole sizes
(see part number)
M2.5 x 0.45 — 6H=D
3.56 UNF=E
4.40 UNC=F
6 BA=G
3.0mm=H
2.8mm=K

Impedance

50 ohm

75 ohm

Part Number ①

B35 K14 • 999 †99

B37 K14 • 999 †99

① Replace the • in the part number with required plating code, see page 3 for details.

† Replace the † in the part number with the letter corresponding to fixing hole sizes.
contact the Sales Office for any uncataloged requirements.

All measurements are in millimeters unless otherwise specified.

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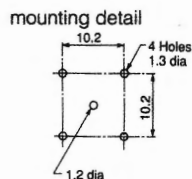
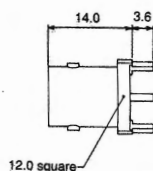
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BNC Series

P.C.B. SOCKETS

Vertical mounting, metal body



Impedance

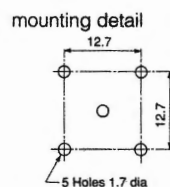
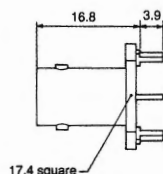
50 ohm

Part Number ①

B35 N14 • 999 X99

Stepped leg version to prevent flux build up

Vertical mounting, metal body



Impedance

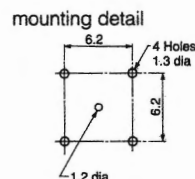
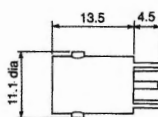
50 ohm

Part Number ①

B35 N57 • 999 X99

Stepped leg version to prevent flux build up

Vertical mounting, metal body



Impedance

50 ohm

Part Number ①

B35 N61 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.

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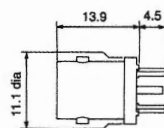
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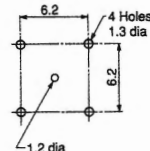
BNC Series

P.C.B. SOCKETS

Vertical mounting, metal body



mounting detail



Impedance

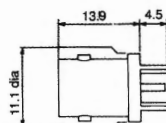
50 ohm

Part Number ①

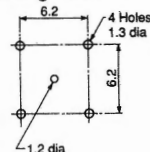
B35 N62 • 999 X99

Stepped leg version to prevent flux build up

Vertical mounting, metal body



mounting detail



Impedance

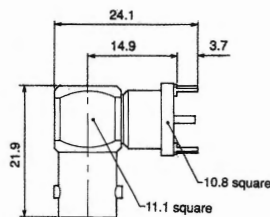
50 ohm

Part Number ①

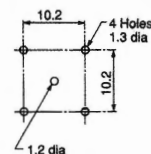
B35 N63 • 999 X99

ELBOW P.C.B. SOCKETS

Elbow, metal body



mounting detail



Impedance

50 ohm

Part Number ①

B35 N64 • 999 X99

Stepped leg version to prevent flux build up

① Replace the • in the part number with required plating code, see page 3 for details.
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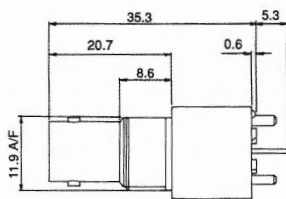
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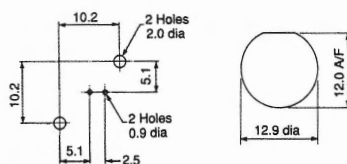
BNC Series

MOLDED P.C.B. SOCKETS

Vertical mounting



mounting detail



Impedance

50 ohm

50 ohm

50 ohm

50 ohm

50 ohm

Part Number ①

B35 N83 • 999 099

B35 N83 • 999 999

B35 N83 • 909 099

B35 N83 • 909 999

B35 N98 • 999 X99

Black molded body, with mounting pins

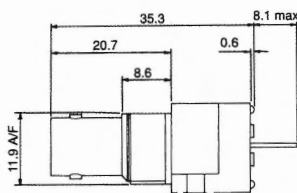
White molded body, with mounting pins

Black molded body, without pins, with holes for self tap screws

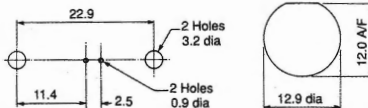
White molded body, without pins, with holes for self tap screws

Shielded body with mounting pins

Vertical with mounting flange



mounting detail



Impedance

50 ohm

Part Number ①

B35 N95 • 909 099

Black molded body, without pins

① Replace the • in the part number with required plating code, see page 3 for details.

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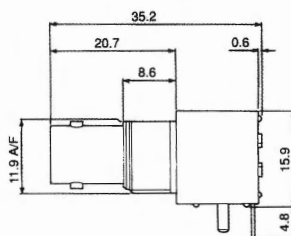
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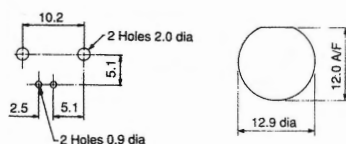
BNC Series

MOLDED ELBOW P.C.B. SOCKETS

Elbow



mounting detail



Impedance

50 ohm

50 ohm

50 ohm

50 ohm

50 ohm

Part Number ①

B35 N82 • 999 099

B35 N82 • 999 999

B35 N82 • 909 099

B35 N82 • 909 999

B35 N99 • 999 X99

Black molded body, with mounting pins

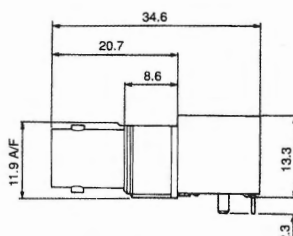
White molded body, with mounting pins

Black molded body, without pins, with holes for self tap screws

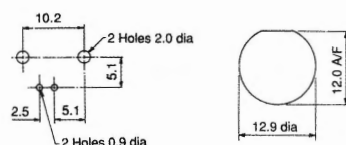
White molded body, without pins, with holes for self tap screws

Shielded body with mounting pins

Elbow (low profile)



mounting detail



Impedance

50 ohm

50 ohm

50 ohm

50 ohm

Part Number ①

B35 N88 • 999 099

B35 N88 • 999 999

B35 N88 • 909 099

B35 N88 • 909 999

Black molded body, with mounting pins

White molded body, with mounting pins

Black molded body, without pins, with holes for self tap screws

White molded body, without pins, with holes for self tap screws

① Replace the • in the part number with required plating code, see page 3 for details.

Please contact the Sales Office for any uncataloged requirements.

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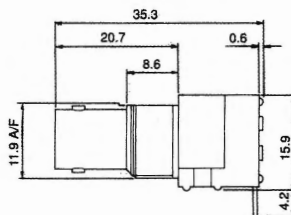
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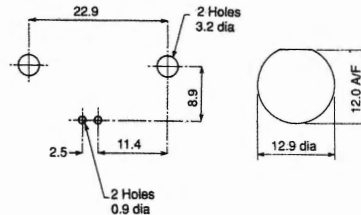
BNC Series

MOLDED ELBOW P.C.B. SOCKETS

Elbow, with mounting flange



mounting detail



Impedance

50 ohm

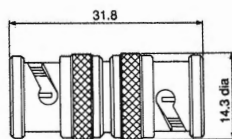
Part Number ①

B35 N94 • 909 099

Black molded body, without pins

ADAPTERS

Straight adapter, plug to plug



Impedance

50 ohm

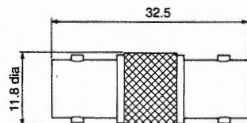
75 ohm

Part Number ①

B35 P32 • 999 X99

B37 P32 • 999 X99

Straight adapter, jack to jack



Impedance

50 ohm

75 ohm

Part Number ①

B35 P34 • 999 X99

B37 P34 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.
Please contact the Sales Office for any uncataloged requirements.

All measurements are in millimeters unless otherwise specified.

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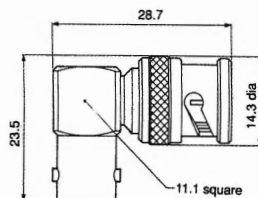
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BNC Series

ADAPTERS

Elbow adapter, plug to jack



Impedance

50 ohm

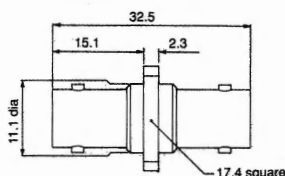
75 ohm

Part Number ①

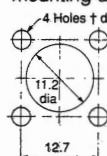
B35 P28 • 999 X99

B37 P28 • 999 X99

Panel adapter, jack to jack



mounting detail



fixing hole sizes
(see part number)
3-56 UNF = 28 E
4-40 UNC = 28 F
N° 6 BA = G
3.0mm = H
2.8mm = K

Impedance

50 ohm

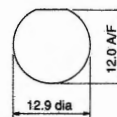
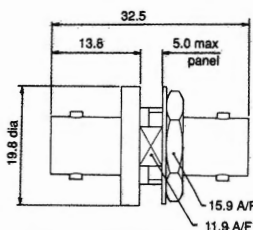
75 ohm

Part Number ①

B35 R81 • 999 †99

B37 R81 • 999 †99

Bulkhead adapter, jack to jack



Impedance

50 ohm

75 ohm

Part Number ①

B35 R88 • 999 X99

B37 R88 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.

† Replace the † in the part number with the letter corresponding to fixing hole sizes.

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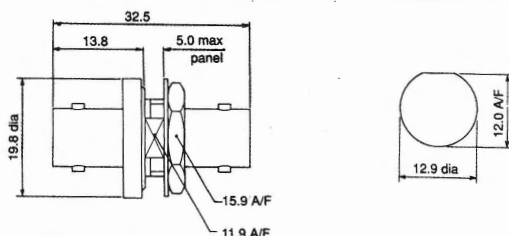
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Fax +44 (1344) 300 020

BNC Series

ADAPTERS

Bulkhead adapter, jack to jack (panel sealed)



Impedance

50 ohm

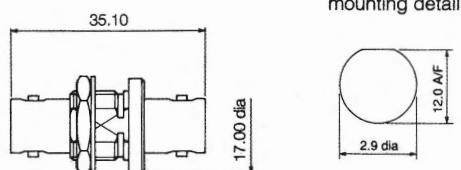
75 ohm

Part Number ①

B35 R87 • 999 X99

B37 R87 • 999 X99

Bulkhead adapter, jack to jack (insulated)



Impedance

50 ohm

75 ohm

Part Number ①

B35 R50 • 999 X99

B37 R50 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.

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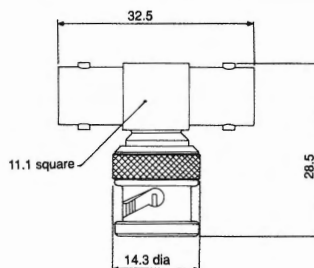
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BNC Series

ADAPTERS

Tee adapter, one plug, two jacks



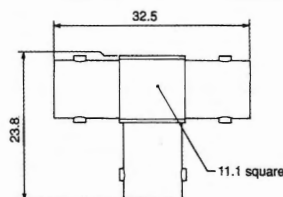
Impedance

50 ohm
75 ohm

Part Number ①

B35 P31 • 999 X99
B37 P31 • 999 X99

Tee adapter, three jacks



Impedance

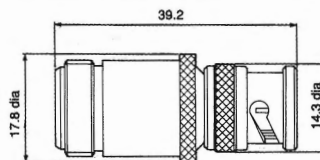
50 ohm
75 ohm

Part Number ①

B35 P96 • 999 X99
B37 P96 • 999 X99

INTER SERIES ADAPTERS

Straight BNC plug to N jack



Impedance

50 ohm

Part Number ①

A55 P04 • 999 X99

Brass body

① Replace the • in the part number with required plating code, see page 3 for details.
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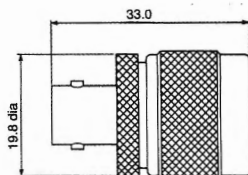
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BNC Series

INTER SERIES ADAPTERS

Straight BNC jack to N plug



Impedance

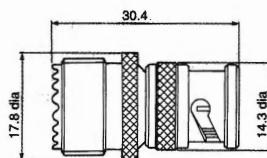
50 ohm

Part Number ①

A55 P28 • 999 X99

Brass body

Straight BNC plug to UHF jack



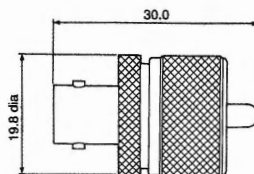
Impedance

50 ohm

Part Number ①

A55 P08 • 999 X99

Straight BNC jack to UHF plug



Impedance

50 ohm

Part Number ①

A55 P07 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.
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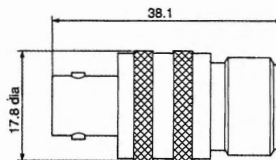
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BNC Series

INTER SERIES ADAPTERS

Straight BNC plug to UHF jack



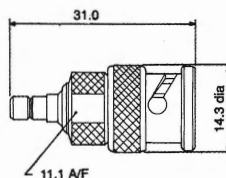
Impedance

50 ohm

Part Number ①

A55 P31 • 999 X99

Straight BNC plug to SMB jack



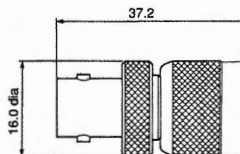
Impedance

50 ohm

Part Number ①

A55 P36 • 999 X99

Straight BNC jack to TNC plug



Impedance

50 ohm

Part Number ①

A55 P38 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.
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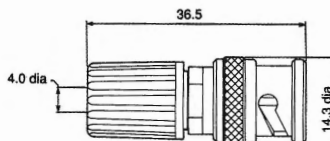
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BNC Series

BINDING POST ADAPTERS

Plug to 1 x post



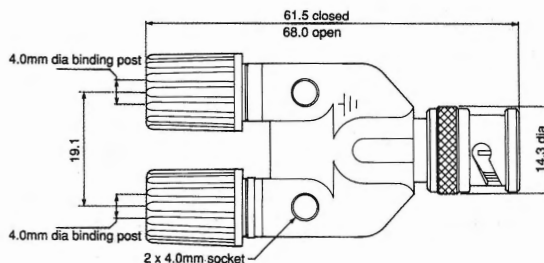
Impedance

50 ohm

Part Number ①

B35 Z11 • 999 X99

Plug to 2 x posts



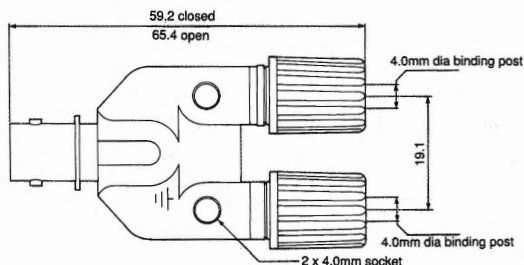
Impedance

50 ohm

Part Number ①

B35 X60 • 999 X99

Jack to 2 x posts



Impedance

50 ohm

Part Number ①

B35 X67 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.
Please contact the Sales Office for any uncataloged requirements.

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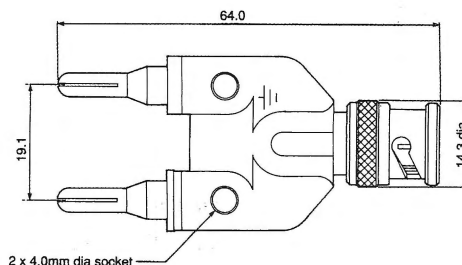
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BNC Series

BINDING POST ADAPTERS

Jack to 2 x 4mm plugs

**Impedance**

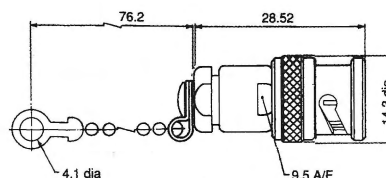
50 ohm

Part Number ①

B35 X68 • 999 X99

RESISTER PLUGS

With chain (1 watt)

**Impedance**

50 ohm

75 ohm

Part Number ①

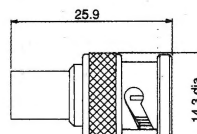
B35 Z10 • 501 X99

B35 Z10 • 751 X99

Other resistor values are available.

Contact M/A-COM for details.

(1 watt)

**Impedance**

50 ohm

75 ohm

91 ohm

9.1 M ohm

Part Number ①

B35 Z98 • 501 X99

B35 Z98 • 751 X99

B35 Z98 • 911 X99

B35 Z98 • 916 X99

① Replace the • in the part number with required plating code, see page 3 for details.
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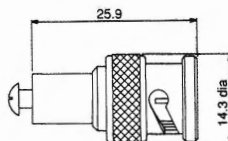
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BNC Series

RESISTER PLUGS

Earthed (1 watt)



Impedance

50 ohm

75 ohm

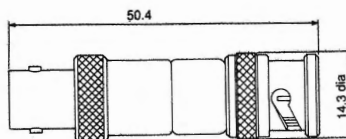
Part Number ①

B35 X06 • 501 X99

B35 X06 • 751 X99

ATTENUATORS

Attenuators



Impedance

50 ohm

50 ohm

50 ohm

50 ohm

75 ohm

75 ohm

75 ohm

75 ohm

Part Number ①

B35 X21 • 003 X99

B35 X21 • 006 X99

B35 X21 • 010 X99

B35 X21 • 020 X99

B37 X21 • 003 X99

B37 X21 • 006 X99

B37 X21 • 010 X99

B37 X21 • 020 X99

Rating

3dB 1.0W VSWR 1.2 (DC to 1 GHz)

6dB 1.0W VSWR 1.2 (DC to 1 GHz)

10dB 0.5W VSWR 1.2 (DC to 1 GHz)

20dB 0.5W VSWR 1.2 (DC to 1 GHz)

3dB 1.0W VSWR 1.2 (DC to 0.5 GHz)

6dB 1.0W VSWR 1.2 (DC to 0.5 GHz)

10dB 0.5W VSWR 1.2 (DC to 0.5 GHz)

20dB 0.5W VSWR 1.2 (DC to 0.5 GHz)

① Replace the • in the part number with required plating code, see page 3 for details.
Please contact the Sales Office for any uncataloged requirements.

All measurements are in millimeters unless otherwise specified.

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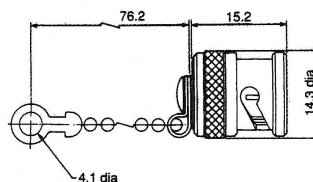
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BNC Series

CAPS

(with chain)

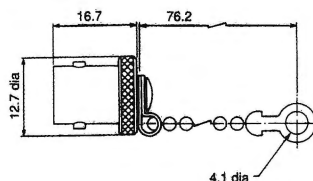


Impedance

Part Number ①

B30 Z01 • 999 X99

(with chain)

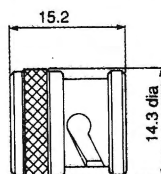


Impedance

Part Number ①

B30 Z03 • 999 X99

Cap

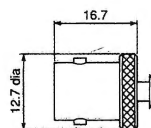


Impedance

Part Number ①

B30 Z02 • 999 X99

Cap



Impedance

Part Number ①

B30 Z04 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.
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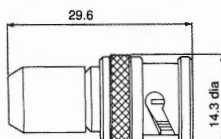
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BNC Series

TERMINATIONS

Termination



Impedance

50 ohm
75 ohm

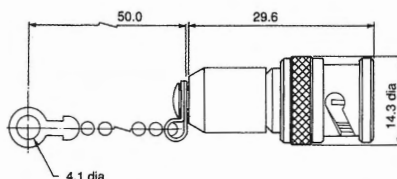
Part Number ①

B35 X20 • 999 X99
B37 X30 • 999 X99

Specification

1.0W VSWR 1.1 (DC-1GHz) / 1.2 (1GHz-2GHz)
0.5W VSWR 1.1 (DC-1GHz)

(With chain)



Impedance

50 ohm
75 ohm

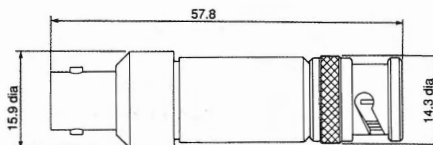
Part Number ①

B35 X25 • 999 X99
B37 X36 • 999 X99

Specification

1.0W VSWR 1.1 (DC to 1 GHz)/1.2 (1GHz-2GHz)
0.5W VSWR 1.1 (DC-1GHz)

Through terminations



Impedance

50 ohm
75 ohm

Part Number ①

B35 X13 • 999 X99
B37 X33 • 999 X99

① Replace the • in the part number with required plating code, see page 3 for details.
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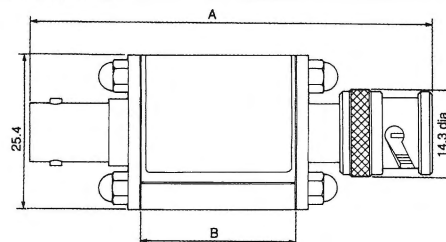
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BNC Series

CIRCUIT BOXES

Circuit boxes

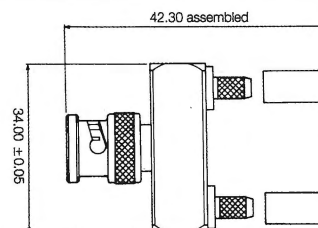


M/A-COM circuit boxes provide a versatile means of mounting small component networks. They are constructed using aluminum extrusion with tongue and groove joints for optimum rf screening. Access is obtained by removing only one screw and earth tags are provided at each end of the box.

| Impedance | Part Number ① | A | B |
|-----------|-------------------|-------|------|
| 50 ohm | B35 X73 • 999 X99 | 91.0 | 50.0 |
| 50 ohm | B35 X78 • 999 X99 | 117.0 | 76.0 |

Y CONNECTERS

Y plug crimp center contact, crimp outer



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | B10 | B35 A51 • B10 X99 | 30040 or 30039 |

① For cable group to cable type cross reference refer to page 200.

② Replace the • in the part number with required plating code, see page 3 for details.

③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.

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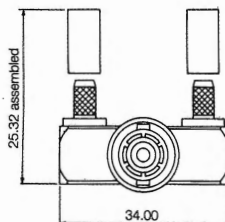
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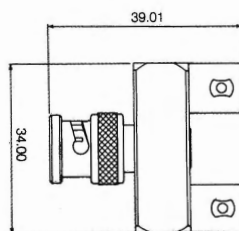
BNC Series

Y CONNECTER

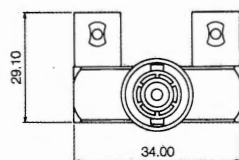
Y Elbow plug
crimp center contact,
crimp outer



| Impedance | Cable group ① | Part Number ② | Crimp tool ③ |
|-----------|---------------|-------------------|----------------|
| 50 ohm | B10 | B35 A52 • B10 X99 | 30040 or 30039 |



| Impedance | Part Number ② |
|-----------|-------------------|
| 50 ohm | B35 P17 • 999 X99 |



| Impedance | Part Number ② |
|-----------|-------------------|
| 50 ohm | B35 P18 • 999 X99 |

- ① For cable group to cable type cross reference refer to page 200.
② Replace the • in the part number with required plating code, see page 3 for details.
③ Crimp tool 30039 requires separate dies, for all details on tooling, see page 194.
Please contact the Sales Office for any uncataloged requirements.

All measurements are in millimeters unless otherwise specified.

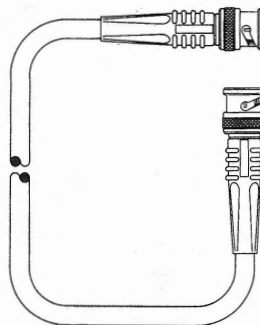
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| | | | | | | | |
|----------------|---------------------|---|---------------|----------------------|---|---------|-------------------------|
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BNC Series

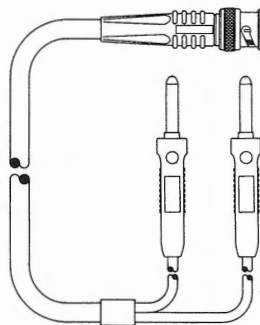
STANDARD CABLE ASSEMBLIES

Plug to plug



| Impedance | Nominal o/a length | Body plating | Contact plating | Part number |
|-----------|--------------------|--------------|-----------------|-------------|
| 50 ohm | 0.5m | nickel | silver | GEX 605 |
| 50 ohm | 0.5m | silver | silver | GEX 372 |
| 50 ohm | 1.0m | nickel | silver | GEX 606 |
| 50 ohm | 1.0m | silver | silver | GEX 373 |
| 50 ohm | 1.5m | nickel | silver | GEX 607 |
| 50 ohm | 1.5m | silver | silver | GEX 374 |
| 50 ohm | 2.0m | nickel | silver | GEX 608 |
| 50 ohm | 2.0m | silver | silver | GEX 375 |

Plug to plugs (4mm)



| Impedance | Nominal o/a length | Body plating | Contact plating | Part number |
|-----------|--------------------|--------------|-----------------|-------------|
| 50 ohm | 1.0m | nickel | silver | GEX 638 |
| 50 ohm | 1.0m | silver | silver | GEX 258 |

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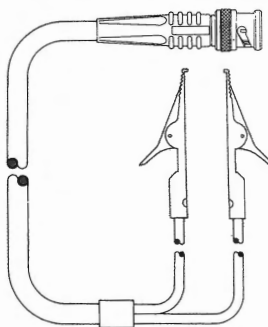
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BNC Series

STANDARD CABLE ASSEMBLIES

Plug to clips



| Impedance | Nominal o/a length | Body plating | Contact plating | Part number |
|-----------|--------------------|--------------|-----------------|-------------|
| 50 ohm | 1.0m | nickel | silver | GEX 644 |
| 50 ohm | 1.0m | silver | silver | GEX 257 |

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