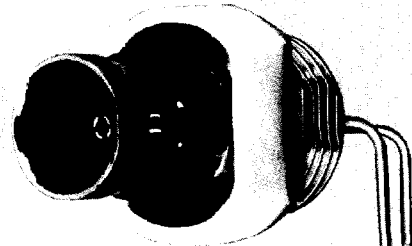
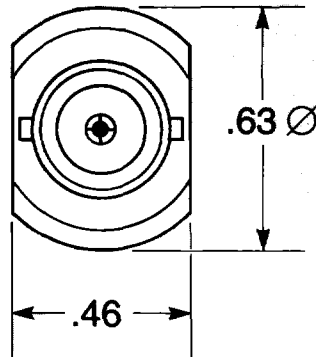


LAN Interconnection Products

Isolated BNC Connectors

Filter features

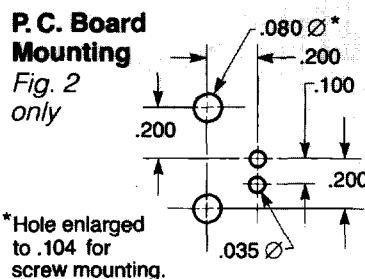
- One-piece machined brass body
- Gold- or silver-plated contact ensures maximum reliability
- Mates with all MIL-C-39012 Series BNC Connectors
- Distributed capacitance of .01 μ F to ground
- Transient suppression available
- Reduced width is compatible with IBM™ PC expansion slots
- Helps meet IEEE 802 x and CFR Title 47, Part 15, Subpart J



Isolated Female BNC Connector
"IBM backplane" mount with PCB leads
Fig. 1

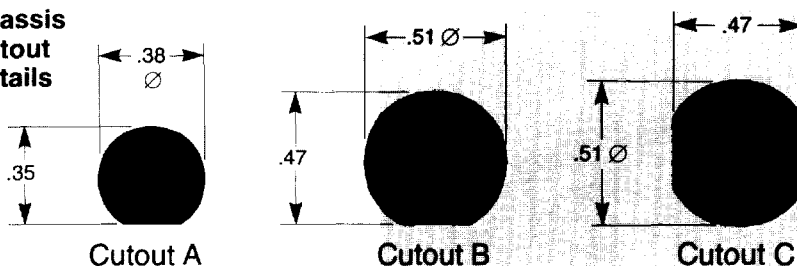
General description

AVA local area network (LAN) connector products satisfy the demanding needs of today's data comm. professionals. Choose from a broad line of standard coaxial and twin-axial connector products. Or contact the AVA engineering team for custom products designed to meet your specifications.



Isolated Female BNC Right Angle PCB Connector
(shown with mounting posts)
Fig. 2

Chassis Cutout Details



Isolated Female BNC Chassis Mount Connector
Fig. 3

AVA Isolated BNC Connectors

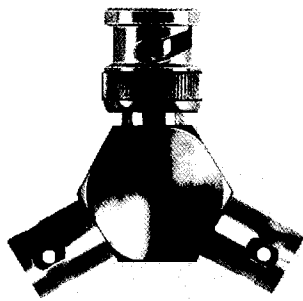
Gender	Fig.	Cat. No.	Notes
F	1	239334	"IBM backplane" mount with PCB leads. Use chassis cutout A.
F	1	230124	"IBM backplane" mount with PCB leads. Use chassis cutout C.
F	1	230714	Ground filtered (.01 μ F) "IBM backplane" mount with PCB leads. 75 ohm impedance. Use chassis cutout C.
F	3	230084	Chassis mount. Use chassis cutout A.
F	3	230114	S/A above except for ground tab placement.
F	2	233074	PCB mount with posts. Use chassis cutout B.
F	2	233084	PCB mount with screws. Use chassis cutout B.
F-F	4	232014	Bulkhead splice adapter. Use chassis cutout B.
F-F	4	262670	Ground filtered (.01 μ F) bulkhead splice adapter. Use chassis cutout B.



Isolated Female-Female BNC Bulkhead Splice Adapter
Fig. 4

IBM is a trademark of International Business Machines Corp.

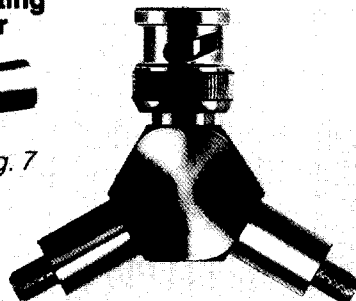
AVA BNC and Twin-Axial Adapters



**Female-Male-Female
BNC "Y" Adapter**
Fig. 5



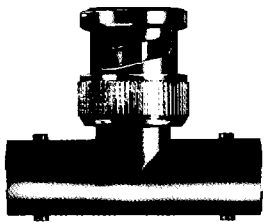
Fig. 7



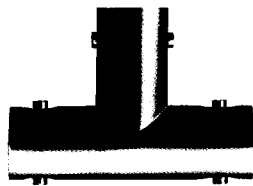
**Male BNC Single Crimp
Splice/Tap "Y" Adapter**
Fig. 6

"Y" adapter features

- One-piece machined brass body
- Gold- or silver-plated contacts ensure maximum reliability
- Mates with all MIL-C-39012 Series BNC Connectors
- Low internal resistance
- Avoids cable crowding



**Female-Male-Female
BNC Tee Adapter**
Fig. 8



**Female-Female-Female
BNC Tee Adapter**
Fig. 9

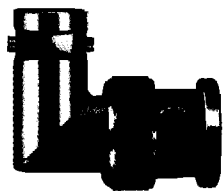
AVA product line

All AVA Connectors are manufactured on-site and in volume to bring you high-quality construction at cost-effective prices. The full AVA product line features BNC, TNC, UHF, SMA, F, N, Twin-ax, BNC Twin-ax, and Coaxial Balun connectors. Accessories include Cable Assemblies, Wall Plates, and Adapters. Delivery on all standard products is off-the-shelf to four weeks.

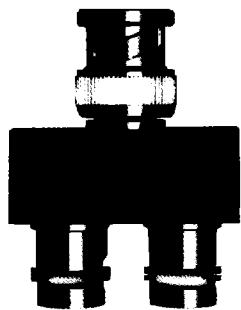
Ordering information

For complete pricing and ordering information, call us now at 800/331-8838. In Pennsylvania, call 215/284-2500.

AVA products are made in the USA.



**Male-Female BNC
Right Angle Adapter**
Fig. 10



**Female-Male-Female BNC
"Goalpost" Tee Adapter**
Fig. 11

AVA BNC Adapters

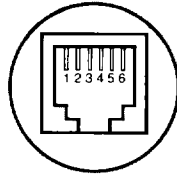
Gender	Fig.	Cat. No.	Notes
F-M-F	5	252641	"Y".
M	6	252530	"Y". Single crimp splice/tap for RG-58, 58B/U.
M	6	252531	"Y". Single crimp splice/tap for RG-59/U.
—	7	277700	"Y". Insulating cover.
M-F	10	252601	Right angle.
F-F	—	262600	Splice.
F-F	—	262601	Bulkhead splice. Use chassis cutout B (page 1).
F-M-F	8	252640	Tee.
F-M-F	11	252694	"Goalpost" tee.
F-F-F	9	262640	Tee.

AVA Twin-Axial Adapters

Gender	Fig.	Cat. No.	Notes
F-F	—	464600	Splice.
F-F-F	—	464640	Tee.

AVA Balun Adapters and Terminators

End view of balun adapter showing RJ-11 pinouts
Fig. 12 and Fig. 13 only



Male Twin-Axial to RJ-11
Balun Adapter

Fig. 12

AVA Twin-Axial Balun Adapter

Gender	Fig.	Cat. No.	Notes
M	12	711410	Adapts to RJ-11. Pins 3 and 4 active.



Male BNC to RJ-11
Balun Adapter

Fig. 13

AVA BNC Balun Adapters

Gender	Fig.	Cat. No.	Notes
M	13	711220	Adapts to RJ-11. Pins 3 and 4 active.
M	13	711222	S/A above except polarity is reversed.
M	13	711240	Adapts to RJ-11. Pins 2 and 5 active.

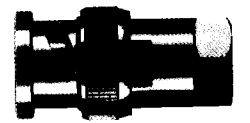
AVA BNC Terminators

Gender	Fig.	Cat. No.	Notes
M	15	277040	50 ohm \pm 1%, .5 watt. Ruggedized style.
M	—	277140	50 ohm \pm 1%, .5 watt. Short body.
M	14	277170	50 ohm \pm 1%, .5 watt. Insulated short body.
M	15	277050	75 ohm \pm 1%, .5 watt. Ruggedized style.
M	—	277150	75 ohm \pm 1%, .5 watt. Short body.
M	14	277180	75 ohm \pm 1%, .5 watt. Insulated short body.
M	15	279020	93 ohm \pm 1%, .5 watt. Ruggedized style.
M	—	277160	93 ohm \pm 1%, .5 watt. Short body.
M	14	277190	93 ohm \pm 1%, .5 watt. Insulated short body.



Insulated Male BNC
Terminator

Fig. 14



Male BNC Terminator,
Ruggedized Style

Fig. 15

AVA N Series Terminators

Gender	Fig.	Cat. No.	Notes
M	—	677510	50 ohm \pm 1%, .5 watt.
F	16	677500	50 ohm \pm 1%, .5 watt.



Female N Series
Terminator

Fig. 16

AVA Twin-Axial Terminator

Gender	Fig.	Cat. No.	Notes
M	—	403010	54.9 ohm.

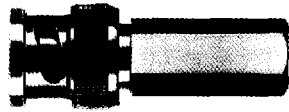
AVA ELECTRONICS CORP.

4000 Bridge Street, Drexel Hill, Pennsylvania 19026

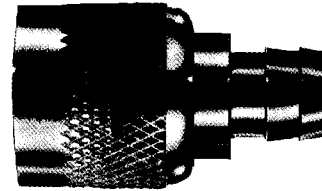
Cable Address AVAELEC
(215) 284-2500 ■ Fax (215) 259-8379 ■ Telex 3711411



Male BNC Dual Crimp Connector
Fig. 17



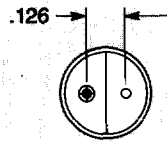
Male BNC Twist-On Connector
Fig. 18



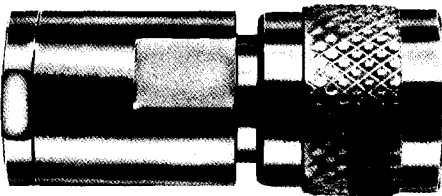
Male N Series Dual Crimp Connector
Fig. 19



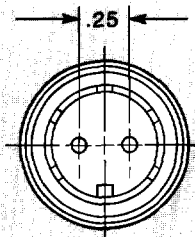
Male BNC Twin-Axial Compression Style Connector
Fig. 20



Mating Face End View
Fig. 20 only



Male Twin-Axial Compression Style Connector
Fig. 21



Mating Face End View
Fig. 21 only

AVA N Series Connectors

Cable Type	Gender	Fig.	Cat. No.	Notes
RG-8/U	M	19	609501	Dual crimp.
RG-9/U	M	19	609511	Dual crimp.
Belden 9880	M	19	609511	Dual crimp.
	M	—	609560	Compression style.
Belden 89880	M	19	608501	Dual crimp.
	M	—	609570	Compression style.

AVA BNC Twin-Axial Connector

Cable Type	Gender	Fig.	Cat. No.	Notes
RG-108/U	M	20	208510	Compression style.

AVA Twin-Axial Connectors

Cable Type	Gender	Fig.	Cat. No.	Notes
Belden 8412	M	21	409000	Compression style.
Belden 9207	M	21	403000	Compression style.
Belden 89207	M	21	409010	Compression style.

AVA BNC Connectors

Cable Type	Center Conductor AWG	O.D. Range	Gender	Fig.	Cat. No.	Notes
58	18 SLD-20 SLD/STD	.165-.197	M	17	202031	Dual crimp.
	18-23 SOLID ONLY*	.170-.190	M	18	202050	Twist-on.
RG-58/U	18 SLD-20 SLD/STD	.185-.215	M	17	202021	Dual crimp.
			F	—	218021	Dual crimp.
	18-23 SOLID ONLY*	.185-.200	M	18	202080	Twist-on.
			F	—	218035	Dual crimp. Use chassis cutout B (pg. 1).
RG-59/U	20 SLD-23 SLD/STD	.230-.260	M	17	203001	Dual crimp.
			M	17	203151	Dual crimp. 75 ohm impedance.
	20-23 SOLID ONLY*	.225-.245	F	—	213021	Dual crimp.
			M	18	203090	Twist-on.
59, 62	20 SLD-23 SLD/STD	.200-.232	M	17	204001	Dual crimp.
	20-23 SOLID ONLY*	.200-.225	M	18	203120	Twist-on.
Belden 9880	12 (.086" max. dia.)	.405-.420	M	17	208071	Dual crimp.

*Not recommended for stranded center conductor. Use dual crimp or see data sheet on compression style connectors.

Product information is of general nature. Specifications subject to change without notice. Printed in USA LAN688