


AMPHENOL SMB and BNC RF Connectors

Amphenol®

 This product is RoHS compliant.

HIGH PERFORMANCE BNC

Amphenol's performance BNC end launch bulkhead receptacle is designed for broadcast and audio/video applications. The low-profile connector is precision machined from brass and features a PTFE insulator supporting temperatures up to 260°C. Standard body plating is gold flash. The connector achieves a return loss of better than -35dB at 3GHz. Recommended PCB thickness is 0.062".

Features and Benefits:

- 75Ω impedance
- Space saving end launch termination

Applications:

- Video control panels
- Video add-on cards
- Video routers and switching equipment
- Video display and monitoring applications

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	100
523-112740	112740	A	75Ω BNC Bulkhead Receptacle	5.16	4.69	4.30	3.97

BNC CONNECTOR SERIES

- Impedance: 50Ω
- Body Material: Brass
- Body Plating: Nickel
- Contact Plating: Gold
- Frequency range: 0-4GHz w/low reflection

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-112116	112116	B	Straight Crimp Plug	LMR 195 / RG58/U	47-10070	1.51	1.34	1.20	1.11
523-112118	112118	B	Straight Crimp Plug	RG59/62/140/210	47-10070	1.68	1.51	1.39	1.28
523-112119	112119	B	Straight Crimp Plug	RG59/62/140/210	47-10070	1.60	1.45	1.31	1.23
523-112120	112120	B	Straight Crimp Plug	RG58/58A/58C/141 LMR195 / B7806A	47-10070	1.57	1.44	1.32	1.23
523-112132	112132	B	Straight Crimp Plug	LMR 100 / RG316/U	47-10150	1.78	1.65	1.52	1.43
523-112597	112597	B	Straight Crimp Plug	LMR 200	47-10070	1.90	1.73	1.58	1.44
523-112533	112533	B	Straight Crimp Plug	LMR 240 / RG8X	47-10070	1.68	1.53	1.38	1.27
523-112563	112563	B	Straight Crimp Plug	LMR 400 / B9913	47-10210	4.94	4.51	4.05	3.72
523-112551	112551	C	Straight Solder Plug	.141 Semi-Rigid	---	2.36	2.15	1.96	1.78
523-112552	112552	C	Straight Solder Plug	.085 Semi-Rigid	---	2.94	2.69	2.48	2.27
523-112710	112710	C	Straight Solder Plug	.250 Semi-Rigid	---	2.65	2.42	2.13	1.97
523-112178	112178	D	Right Angle Crimp Plug	LMR 100 / RG316/U	47-10150	3.79	3.46	3.10	2.86
523-112162	112162	D	Right Angle Crimp Plug	LMR 195 / RG58/U	47-10070	3.39	3.00	2.72	2.53
523-112182	112182	D	Right Angle Crimp Plug	RG58/58A/58C/141 303/LMR 195	47-10070	5.37	4.90	4.51	4.13
523-112601	112601	D	Right Angle Crimp Plug	LMR 240 / RG8X	47-10070	5.15	4.70	4.03	3.74
523-112596	112596	D	Right Angle Crimp Plug	LMR 400 / B9913	47-10210	6.55	5.99	5.13	4.76
523-112160	112160	E	Straight Crimp Jack	LMR 100 / RG316/U	47-10150	2.00	1.81	1.61	1.50
523-112144	112144	E	Straight Crimp Jack	LMR 195 / RG58/U	47-10070	1.95	1.75	1.63	1.52
523-112605	112605	E	Straight Crimp Jack	LMR 240 / RG8X	47-10070	2.41	2.19	1.97	1.81
523-112603	112603	E	Straight Crimp Jack	LMR 400 / B9913	47-10210	4.46	4.07	3.62	3.47
523-112234	112234	F	Bulkhead Crimp Jack	LMR 100 / RG316/U	47-10150	3.29	3.01	2.67	2.46
523-112202	112202	F	Bulkhead Crimp Jack	LMR 195 / RG58/U	47-10070	4.24	3.87	3.56	3.26
523-112618	112618	G	Straight Solder Jack	.141 Semi-Rigid	---	2.39	2.19	1.86	1.73
523-112581	112581	H	Bulkhead Solder Jack	.141 Semi-Rigid	---	3.43	3.13	2.70	2.40
523-112580	112580	H	Bulkhead Solder Jack	.085 Semi-Rigid	---	3.43	3.13	2.56	2.40
523-112714	112714	H	Bulkhead Solder Jack	.250 Semi-Rigid	---	11.03	10.07	9.27	8.59

MINI SMB 75 OHM CONNECTORS

SMB connectors feature quick connect/disconnect snap-on mating. Mini 75Ω connectors are matched-impedance. The connectors are the same size as, and interchangeable with, standard 50Ω connectors.

- Impedance: 75Ω
- Body Material: Brass
- Insulation: Teflon
- Finish: Gold, unless part number is noted with * = Nickel
- Contact Plating: 30μ" Gold
- Frequency range: 0-4GHz

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-142186-75	142186-75	I	Straight Crimp Plug	179/U	47-10150	4.69	4.29	3.91	3.55
523-142187-75	142187-75	I	Straight Crimp Plug	179 Double Braid	47-10160	5.15	4.75	4.41	4.12
523-142222-75	142222-75	J	Straight Crimp Plug	AT&T 735A	47-10150	4.34	3.95	3.62	3.34
523-142134-75	142134-75	J	Vertical Plug for PC Board	---	---	5.51	5.03	4.63	4.29
523-142194-75	142194-75	K	Right Angle Cable Plug	179/U	47-10150	5.34	4.87	4.44	4.03
523-142176-75	142176-75	K	Right Angle Cable Plug	179 Double Braid	47-10160	6.73	6.15	5.23	4.86
523-142336-75	142336-75	K	Right Angle Crimp Plug	RG 59 / B1505	47-10070	12.84	11.74	10.01	8.96
523-142221-75	142221-75	K	Right Angle Crimp Plug	AT&T 735A	47-10150	5.70	5.14	4.71	4.35
523-142189-75	142189-75	L	Straight Crimp Jack	179/U	47-10150	3.52	3.17	2.85	2.62
523-142138-75	142138-75	M	Vertical Jack for PC Board	---	---	2.49	2.25	2.06	1.90
523-142146-75 *	142146-75	N	Right Angle Jack for PC Board	---	---	4.45	4.06	3.70	3.32
523-142179-75	142179-75	O	Bulkhead Feedthrough Cable Jack	179/U	47-10150	3.48	3.18	2.90	2.64

CRIMP TOOLS WITH DIE SETS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Groups	Die Cavities	Price Each
523-47-10070	47-10070	P	RG 55/ 58/ 59/ 62/ 141/ 142/ 223/ 303/ 400	.255 / .213 / .068	67.57
523-47-10180	47-10180	P	5 Cavity RG 58/ 59 N, BNC, TNC, SMA	.255 / .213 / .100 / .068 / .052	73.78
523-47-10090	47-10090	P	RG 8/ 11/ 213/ 214	.429 / .100 / .08	70.54
523-47-10160	47-10160	P	.151 HEX 316/ 179/ Double Braid	.151 / .178 / .213	70.53
523-47-10110	47-10110	P	RG6/ 59/ B8281	.324 / .255 / .068 / .042	70.54
523-47-10210	47-10210	P	LMR 400/ B9913/ B9914/ B7810	.429 / .118	70.54
523-47-10270	47-10270	P	BNC/ TNC, .042 Center Contact, .068 Center Contact	.178 / .128, .068, .042	70.54

TRUE 75OHM BNC CABLE CONNECTORS

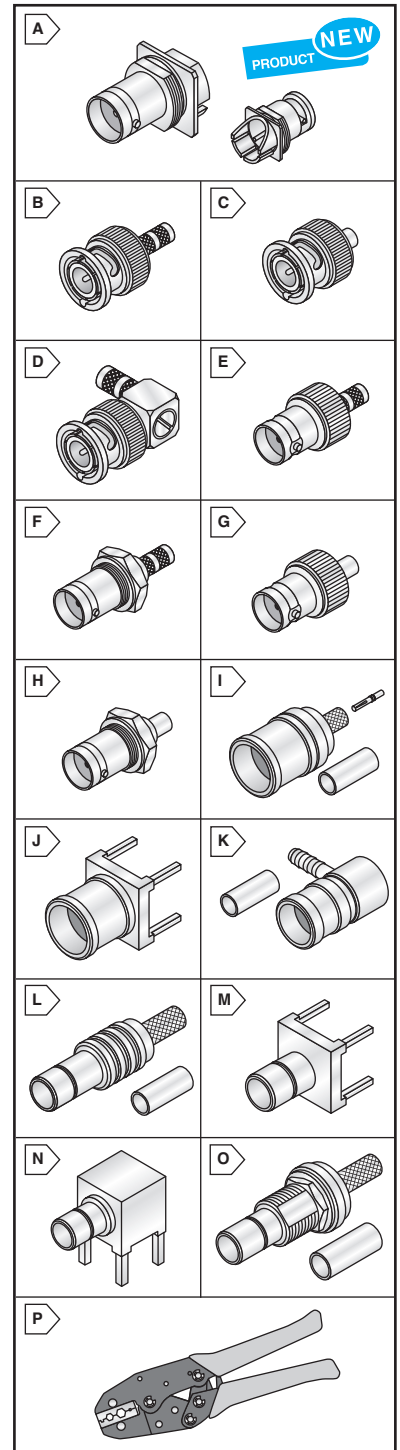
Designed for the most popular 75Ω cables used in broadcast and CATV applications when performance is needed to insure low signal distortion. Bayonet coupling provides a positive lock and allows for quick and easy connect/disconnects.

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

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For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-31-80101	31-80101	A	Straight Crimp Plug	RG-179, 187	227-T1200	3.43	3.14	2.89	2.68
523-31-80103	31-80103	A	Straight Crimp Plug	RG-59	227-T1200	4.32	3.93	3.60	3.32
523-31-80104	31-80104	A	Straight Crimp Plug	734A	227-T1200	3.25	3.01	2.70	2.51
523-31-80105	31-80105	A	Straight Crimp Plug	735A	227-T1200	3.43	3.14	2.89	2.68
523-31-80106	31-80106	A	Straight Crimp Plug	RG-174, 316	227-T1200	4.32	3.93	3.60	3.32
523-31-80107	31-80107	A	Straight Crimp Plug	BELDEN 179DT	227-T1200	4.32	3.93	3.60	3.32
523-31-80109	31-80109	A	Straight Crimp Plug	BELDEN 1694A	227-T1200	4.32	3.93	3.60	3.32
523-31-80901	31-80901	B	Right Angle Crimp Plug	RG-179, 187	227-T1200	15.30	13.91	12.75	11.77



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