

Connectors - RF Coaxial

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Cable Group and Tooling Guides

RF Cable Group Reference Table

230382

Cable Group	Applicable Cables	element14 Order Codes
01	RG141	—
	RG303	—
	RG58	—
01A	RG58A	118-2133
	RG58C	120-2666
	RG142	121-7818
	RG142A	—
	RG142B	142-3293
	RG223	121-7827
03	RG400	—
	RG55	—
	RG140	—
	RG210	—
	RG59	—
	RG59A	118-2173
05	RG59B	120-2739
	RG62	—
	RG62A	121-7843
	RG174	—
	RG188	—
	RG188A	—
05A	RG316	121-7852, 142-3323
	RD316	—
	RG179	—
06	RG179A	—
	RG179B	121-7850, 142-3311
	RG187	—
07	RG187A	—
	RG213	121-7822, 164-3738
	RG393	—
08	RG8	593-576
	RG8A	—
	RG143	—
14	RG212	—
	RG6	142-3220
	RG178	505-1265, 128-5813
	RG178A	—
	RG178B	121-7820, 142-3309
	RG196	—
	RG196A	130-2767

Cable Group	Applicable Cables	element14 Order Codes
16	RG122	—
	RG180	—
	RG180A	—
	RG195	—
	BT3002	—

RF Cable Group Reference Table

243862

Cable group	Cable type	element14 Order Code
FLEXIBLE CABLE ext. Ø/Ω/Nb of core		
2/50 S	RG 178 B /URG 196 A/U URM 110 KX 21 A	121-7850, 142-3311 130-2767 — —
2/75 S	FILOTEX : Et. 288499	—
2.6/50 S	RG 174 A/U RG142 RG 188 A/U RG 316/U URM 95 URM 109 URM 116 KX 3B KX 22A	120-2737 121-7818 — 121-7852, 142-3323 — — — — —
2.6/50 D	RD316 KX 22D	— —
2.6/75 S	RG 179 B/U RG 187 A/U URM 111	121-7850, 142-3311 — —
2.6/75 D	RD 179	—
5/50 S	RG 58 C/U RG 141 A/U RG 303/U URM 43 URM 72 URM 76 URM 108 URM 301 KX 15 LMR 200	121-9357, 411-9010 — — 121-7845 — 139-0048 — — — —
5/50 D	RG 55 B/U RG 142 B/U RG 223/U RG 400/U KX 23	— 142-3293 121-7827 — —
5/75 S	URM 104 URM 202	— —

Cable Group and Tooling Guides - continued

RF Cable Group Reference Table - continued

Cable group	Cable type	element14 Order Code
6/75 S	RG 59 B/U	120-2739, 121-7839
	RG 140/U	-
	URM 70	121-7846
	URM 90	-
	URM 117	-
	KX 6A	-
	KX 25	-
10/50 S	KX 52	-
	KX 53	-
	RG 165/U	-
	RG 213/U	121-7822, 164-3738
	RG 215/U	-
	URM 67	139-0049
	URM 102	-
10/50 D	RG 393	-
10/75 D	RG 11 A/U	-
	RG 12 A/U	-
	RG 144 A/U	-
	URM 57	-
	URM 65	-
11/50 D	KX 8	-
	RG 119/U	-
	RG 214/U	121-7826
	RG 225/U	-
	URM 91	-
11/75 D	URM 112	-
	KX 13	-
	KX 24	-
SEMI-RIGID CABLE	RG 216/U	-
	URM 60	-
0.085	RG 405/U	711-299
	RG 405/001	-
	UT 141 A	-
	KS 2	-
0.141	RG 402/U	711-275
	RG 402/001	-
	UT 141 A	-
	KS 2	-
BT QUALIFIED		
3.6/75 D	BT 3002	-
	TZC 75024	-

BNC Economy Series

ZDC Series

- Fully intermateable with industry standard connectors and designed to **MIL-C-39012** and **MIL STD348A**
- Cost effective
- RoHS compliant

Impedance	50Ω	75Ω	Temperature Range	-55°C to +85°C
Frequency Range	0-4GHz	0-2GHz	Mating Cycles	50
Working Voltage	500V RMS		Body	Zinc / Nickel plated
Contact Resistance	1.5mohm max		Contacts	Brass / Gold plated
Insulation Resistance	5000Mohm		Insulation	

422591

BNC Straight Crimp Plugs



Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
5-1634500-2	102-0982	5-1634500-1	102-0984	5-1634502-2	102-0987
5-1634500-3	102-0983	5-1634500-0	102-0986	5-1634502-3	102-0988

422656

Impedance	Cable Type	Cable Group	Order Code	1+	10+	50+	100+
50Ω	RG58C/U	010	102-0982				
50Ω	RG174C	022	102-0984				
75Ω	RG59C	025	102-0987				
Order Multiple=100				Price Each			
Bulk Packed - Tray				100+	1K+		
50Ω	RG58C/U	010	102-0983				
50Ω	RG174C	022	102-0986				
75Ω	RG59C	025	102-0988				

BNC Straight Crimp Jacks



Mfrs. List No.
5-1634511-2
5-1634514-1

Tyco Electronics

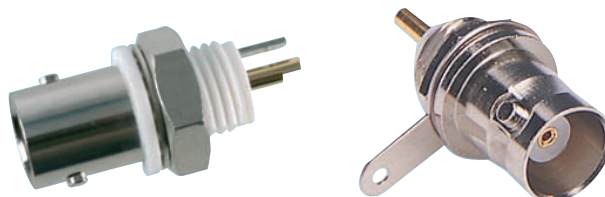
Order Code
102-0976
102-0978

422642

Impedance	Cable Type	Cable Group	Order Code	1+	10+	50+	100+
50Ω	RG58C/U	010	102-0976				
75Ω	RG59C	025	102-0978				

BNC Bulk Head Sockets 50Ω and 75Ω

Tyco Electronics



Mfrs. List No.
5-1634523-1
5-1634504-1

Order Code
102-0951
102-0952

Mfrs. List No.
5-1634504-2

Order Code
102-0953

422593

Order Code		1+	10+	50+	100+
Non-insulated with Tag					
50Ω	102-0951				
Insulated without Tag					
50Ω	102-0952				
75Ω	102-0953				

BNC PCB Socket Low Profile

Tyco Electronics



Mfrs. List No.
5-1634503-1
5-1634503-3

Order Code
102-0980
102-0981

Mfrs. List No.
5-1634556-0

Order Code
124-8952

422655

Impedance	Order Code	1+	10+	50+	100+
Straight					
50Ω	102-0980				
75Ω	102-0981				
Right Angle - Bulkhead					
50Ω	124-8952				

BNC PCB Socket 19.8 MM

Tyco Electronics



Mfrs. List No.
5-1634506-1
5-1634506-2

Order Code
124-8954
124-8955

451132

Impedance	Order Code	1+	10+	50+	100+
50Ω	124-8954				
75Ω	124-8955				

BNC PCB Insulated Sockets

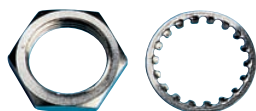


Shielded				Insulated			
Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
1-1337541-0	102-0959	1-1634612-0	102-0957	1-1478031-0	102-0962	1-1478031-0	102-0962
1-1634505-0	102-0960	1-1478032-0	102-0963	1-1634624-0	102-0964	1-1634624-0	102-0964
1-1478033-0	102-0967	1-1634622-0	102-0965	1-1337494-0	102-0958	1-1337494-0	102-0958
1-1634629-0	102-0968	1-1337542-0	102-0954	1-1634508-0	102-0966	1-1634508-0	102-0966
1-1337543-0	102-0955	1-1634613-0	102-0956				

422595

Impedance	Colour	Order Code	1+	10+	50+	100+
Vertical						
50Ω	White	102-0959				
50Ω	Black	102-0960				
75Ω	White	102-0967				
75Ω	Black	102-0968				
90°						
50Ω	White	102-0955				
50Ω	Black	102-0957				
75Ω	White	102-0963				
75Ω	Black	102-0965				
90° Low Profile						
50Ω	White	102-0954				
50Ω	Black	102-0956				
75Ω	White	102-0962				
75Ω	Black	102-0964				
90° Shielded						
50Ω		102-0958				
75Ω		102-0966				

BNC Hex Nut & Washer



Mfrs. List No.	Order Code
1-1634816-0	102-0969
1-1634817-0	102-0970

422625

	Order Code	1+	10+	50+	100+
Hex Nut	102-0969				
Lock Washer	102-0970				

BNC Adaptors



Mfrs. List No.	Order Code
5-1634532-1	102-0971
5-1634534-1	102-0975

422631

Impedance	Type	Order Code	1+	10+	50+	100+
50Ω	Male / Female / Female	102-0971				
50Ω	Female - Female	102-0975				

BNC Adaptors



451029

Impedance	Type	Order Code	1+	10+	50+	100+
50Ω	R/A Plug - Jack	124-8950				
50Ω	T - Jack	124-8953				
50Ω	B/Head Jack - jack	124-8991				

BNC Series

HDTV BNC Plug

Amphenol

NEW



- Crimp cable connection
- Impedance: 75Ω
- Frequency range: DC - 3GHz
- Body material: Brass with nickel plating
- Contact material: Brass with gold plating
- Durability: Min. 500 cycles

615941

DRAKA cable type	Mfrs. List No.	Order Code	1+	10+	50+	100+
0.6/2.8 AF	B1121A8-011-NT3G-75	183-6771				
0.8/3.7 AF	B1121A8-016-NT3G-75	183-6772				
1.0/4.8 AF	B1121A8-013-NT3G-75	183-6773				

BNC Series Plugs



HDTV - 75Ω



- Wire mounted
- Crimp/solder termination
- Frequency range: DC-4GHz
- Contact material: Brass
- Contact plating: Gold

NEW

619555

Cable	Order Code	1+	10+	100+	250+
	181-4365				
	181-4366				
RG-59/U	181-4367				
RG-7/U	181-4368				
	181-4371				

BNC Right Angle Jacks

molex

Through Hole PCB Mounted



- Body material: Zinc alloy
- Centre contact: Phosphor bronze
- Centre contact plating: Gold
- Impedance: 50Ω

NEW

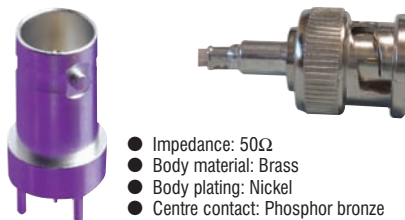
651590

Body Plating	Colour	Mfrs. List No.	Order Code	1+	10+	50+	100+
Nickel	-	73171-3150	190-9203				
Tin	-	73100-0154	190-9205				
Bulkhead Mounting							
Nickel	White	73100-0131	190-9207				
Nickel	Black	73171-3060	190-9208				
Bulkhead Mounting - Filtered							
Nickel	Black	73171-3030	190-9206				
Bulkhead Mounting - Filtered - With Washer and Nut							
Nickel	Black	73100-0223	190-9209				

BNC 50Ω Jacks and Plugs

molex

NEW



- Impedance: 50Ω
- Body material: Brass
- Body plating: Nickel
- Centre contact: Phosphor bronze
- Contact plating: Gold

651697

Mounting Method	Body Length (mm)	Mfrs. List No.	Order Code	1+	10+	50+
Jacks						
Through Hole Vertical	16.65mm	73100-0153	190-9210			
Solder	19.8mm	73100-0195	190-9212			
Solder	21.4mm	73115-5003	190-9213			
Plugs						
Crimp / RG316	14.5mm	73174-0073	190-9211			
Crimp / RG58,141,303	14.6mm	73104-5003	190-9214			
Crimp / RG58,141,303	14.5mm	73174-0093	190-9215			

BNC Series - continued

BNC Right Angle Bulk Head Jacks

75Ω



- Body material: Zinc alloy
- Body plating: Nickel
- Contact material: Phosphor bronze
- Contact plating: Gold

NEW

molex

651752

Profile	Colour	Mfrs. List No.	Order Code	1+	10+	50+
Height (mm)						
13.2mm	Black	73171-2980	190-9217			
13.2mm	White	73171-2990	190-9218			
15.88mm	Black	73171-3000	190-9219			
15.18mm	White	73171-3010	190-9220			
15.58mm	Natural	73100-0080	190-9221			
8.69mm	Natural	73171-0700	190-9222			

BNC Series

Tyco Electronics

A new range of BNC connectors which accept a wide range of coaxial cables. Fully interchangeable with industry standard connectors and designed to MIL-C-39012, IEC and CECC specifications.

Impedance	50Ωohm	75Ω
Frequency Range	0-4GHz	0-2GHz
Working Voltage	500V RMS	
Contact Resistance	1.5mΩ Centre/mohm	
	0.2mΩ Outer	
Insulation Resistance	MΩ Außen	
Temperature Range	-65 °C to 165 °C	
Mating Cycles	500	
Body	Brass - Silver/Nickel plated	Brass
Centre Contacts	Brass - Silver/Gold plated	Brass
Insulation	PTFE	

231076

BNC Clamp Plugs

50Ω and 75Ω

Tyco Electronics



231075

Cable Type	Cable Group	Order Code	1+	10+	50+	100+
Silver plated bodies and centre contactsSilver						
Straight 50Ω						
	010	120-5943				
	022	105-6235				
Straight 75Ω						
	022	105-6238				
	025	120-5944				
Elbow 50Ω						
	010	105-6241				
Elbow 75Ω						
	025	105-6245				

BNC Clamp Plugs and Jacks

50Ω and 75Ω 'Top Hat' Style

Tyco Electronics



- A range of pressure sleeve clamp plugs and jacks
- Features 'Top Hat' clamping style
- Faster to terminate than braid clamp types

239071

Cable	Mfrs. List No.	Order Code	1+	50+	100+
Straight Plug 50Ω					
RG58	1-1478401-0	105-6296			
RG213	1-1478400-0	105-6297			

BNC Crimp Plugs

50Ω and 75Ω

Tyco Electronics



1205945
1-1337430-0=120-5946
1-1337432-0=120-5947

1-1337429-0=120-5949
1-1478075-0=105-6251

1-1337438-0=120-5951
1-1337440-0=105-6252

231078

Cable Type	Cable Group	Order Code	1+	10+	50+	100+
Silver plated bodies and centre contactsSilverSilver						
Straight 50Ω						
	010	120-5945				
	022	120-5946				
Straight 75Ω						
	022	120-5947				
	025	120-5949				
Elbow 50Ω						
	010	105-6251				
Elbow 75Ω						
	025	120-5951				
	022	105-6252				

BNC Solder Jacks

75Ω

Tyco Electronics



Mfrs. List No.

1-1337424-0=105-6254
1-1478148-0=105-6255

231080

Cable Type	Cable Group	Order Code	1+	10+	50+	100+
Silver plated bodies and centre contactsSilverSilver						
Straight 75Ω						
	025	105-6254				
	010	105-6255				

BNC Crimp Jacks

50Ω and 75Ω

Tyco Electronics



231083

Cable Type	Cable Group	Order Code	1+	10+	50+	100+
Silver plated bodies and centre contactsSilverSilverSilverSilver						
Straight 50Ω						
	010	120-5953				
Straight 75Ω						
	025	120-5954				
Silver plated bodies and gold contactsNickelGoldNickelGold						
	022	120-5956				
Silver plated bodies and contactsSilverSilverSilverSilver						
Bulkhead 50Ω						
	010	120-5957				

iBuy

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Complete cost control, reduced administration time, visibility of your spend, flexibility and personalised to your company's needs.
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BNC Panel Plug 50Ω



Mfrs. List No. 1-1337488-0=105-6259

231094

		Price Each			
Impedance	Order Code	1+	10+	50+	100+
Silver plated bodies SilverSilver					
50Ω	105-6259●				

BNC Sockets 50Ω and 75Ω



231095

		Price Each			
Impedance	Order Code	1+	10+	50+	100+
Silver plated bodies and centre contactsSilverSilver					
Bulkhead					
50Ω Solder Tag	120-5959●				
50Ω W/O Solder Tag	105-6261●				
75Ω Solder Tag	120-5960●				
75Ω W/O Solder Tag	105-6262●				
Nickel plated bodies and gold contactsNickelGold					
Insulated Bulkhead					
50Ω	120-5963●				
75Ω	105-6264●				
Silver plated bodies and gold contactsSilverSilver					
Panel					
50Ω	105-6263●				
75Ω	120-5962●				
PCB Straight					
50Ω Square	120-5964●				
50Ω Round	105-6271●				
PCB Elbow					
50Ω	105-6272●				

BNC Plugs Cable Mounting 50Ω and 75Ω



- BNC plugs with an impedance of 50Ω up to 4GHz and 75Ω up to 2GHz
- Crimp, Clamp or Twist On termination

		50Ω	75Ω		
Impedance		50Ω	75Ω		
Frequency Range		0-4GHz	0-1GHz		
VSWR		1.3max 0-4GHz	1.05 + 0.1f (GHz) DC to 1GHz		
Contact Resistance		1.5MΩ Centre 1MΩ Outer	1.5MΩ Centre 1MΩ Outer		
Insulation Resistance		MΩ	MΩ		
Body		Brass, Nickel plated			
Contacts		Pin: Brass - Gold plated Socket: Phosphor Bronze - Gold plated			
Insulation		PTFE/Delrin			
Mfrs. List No.	Order Code	Mfrs. List No.	Order Code		
B1121A1-ND3G-3-75	111-1257	B1112A1-ND3G-3-75	111-1264		
B1121A1-ND3G-3-75	111-1257	B1112A1-ND3G-1-50	111-1265		
B1121A1-ND3G-1A-50	111-1259	B1112E1-ND3G-5-50	111-1266		
B1121A1-ND3G-1-50	111-1260	B1141A1-ND3G-3-75	111-1268		
B1121E1-ND3G-6-75	111-1261	B1141A1-ND3G-1-50	111-1269		
B1121E1-ND3G-5-50	111-1262	B1141C1-NT3G-5-50	111-1270		
B1121A9-003-NT3G-75	111-1263				

230313

						Price Each			
Cable Type	Imped-ance	Cable Group	Tool No.	Order Code		1+	10+	50+	100+
Straight Crimp Plugs									
RG59	75Ω	3	4	111-1257●					
RG142	50Ω	1A	3 or 4	111-1259●					
RG58	50Ω	1	3 or 4	111-1260●					
RG179	75Ω	6	3	111-1261●					
RG174	50Ω	5	3	111-1262●					
RG122	75Ω	16	Pliers 6A	111-1263●					

Right Angle Crimp Plugs									
RG59	75Ω	3	4	111-1264●					
RG58	50Ω	1	3 or 4	111-1265●					
RG174	50Ω	5	3	111-1266●					

Straight Clamp Plugs									
RG59	75Ω	3		111-1268●					
RG58	50Ω	1		111-1269●					
RG174	50Ω	5		111-1270●					

BNC Jacks Cable Mounting 50Ω and 75Ω



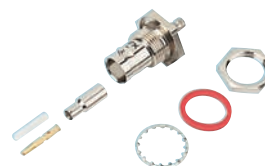
- Straight BNC Bulkhead jacks with an impedance of 50Ω, up to 4GHz or 75Ω, up to 2GHz
- Termination: Crimp, Solder
- Intermateable with other makes

		50Ωohm	75Ωohm		
Impedance		50Ωohm	75Ωohm		
Frequency Range		GHz0-4GHz	GHz0-1GHz		
VSWR		1.3max 0-4GHz	1.05 + 0.1f (GHz) DC to 1GHz		
Contact Resistance		1.5MΩ Centremohm 1MΩ Outermohm	1.5MΩ Centremohm 1MΩ Outermohm		
Insulation Resistance		MΩ	MΩ		
Body		Brass, Nickel plated			
Contacts		Pin: Brass - Gold plated Socket: Phosphor Bronze - Gold plated			
Insulation		PTFE/DelrinPTFE / Delrin			
Mfrs. List No.	Order Code	Mfrs. List No.	Order Code		
B6121A1-NT3G-3-75	111-1272	B6121E1-ND3G-6-75	111-1274		
B6121A1-NT3G-1-50	111-1273	B6121E1-ND3G-5-50	111-1275		

230372

Cable Type	Imped- ance	Cable Group	Tool No.	Order Code	1 +	10 +	50 +	100 +
RG59	75Ω	3	4	111-1272●				
RG58	50Ω	1	3 & 4	111-1273●				
RG179	75Ω	6	9	111-1274●				
RG174	50Ω	5	9	111-1275●				

BNC Jacks Bulkhead Mounting 50Ω and 75Ω



- Straight BNC Bulkhead jacks with an impedance of 50Ω, up to 4GHz or 75Ω, up to 2GHz
- Termination: Crimp
- Intermateable with other makes

		50Ωohm	75Ωohm		
Impedance		50Ωohm	75Ωohm		
Frequency Range		0-4GHzGHz	0-1GHzGHz		
VSWR		1.3 max 0-4GHz	1.05 + 0.1f (GHz) DC to 1GHz		
Contact Resistance		1.5 mΩ Centremohm 1 mΩ Outermohm	1.5 mΩ Centremohm 1mΩ Outermohm		
Insulation Resistance		MΩ	MΩ		
Body		Brass - Nickel plated			
Contacts		Pin: Brass - Gold plated Sockets: Phosphor Bronze - Gold plated			
Insulation		PTFE/DelrinPTFE / Delrin			
Mfrs. List No.	Order Code	Mfrs. List No.	Order Code		
B6421A1-NT3G-1-50	111-1277	B6721A1-NT3G-1-50	111-1282		
B6421E1-ND3G-6-75	111-1278	B6721E1-NT3G-5-50	111-1284		
B6421E1-ND3G-5-50	111-1281				

230373

				Price Each			
Imped-ance	Cable Group	Tool No.	Order Code	1+	10+	50+	100+
50Ω	1	4	111-1277●				
75Ω	6	9	111-1278●				
50Ω	5	9	111-1281●				
50Ω	1	4	111-1282●				
50Ω	5	9	111-1284●				

BNC Series - continued

BNC Panel Plugs and Jacks 50Ω

Flange Mounting



- Panel plugs and sockets with an impedance of 50 Ω up to 4GHz
- Solder cable termination

Impedance	50Ωohm
Frequency Range	0-4GHz
VSWR	1.3 4GHz
Withstand Voltage	1500V rms1.5
Insulation Resistance	50MΩ
Body	Brass - Nickel plated
Contacts	Plug: Brass - Gold plated Socket: Phosphor Bronze, Gold plated
Insulator	PTFE

230338

Mfrs. List No.	Order Code	1+	10+	50+	100+
Panel Receptacle Plug					
B1551A1-NT3G-50	111-1290				
Panel Receptacle Jack					
B6551A1-NT3G-50	111-1291				

Standard BNC Series - 50Ω



- Worldwide standardised coaxial connectors
- Bayonet coupling
- Good RF performance
- Proven strength and reliability
- 50 and 75Ω BNC connectors are intermateable with one another

Applications : Civil and military telecommunications, measurement and instrumentation, general electronics

Impedance:	50ohm
Frequency range:	0-4GHz
Typical VSWR:	Straight models: 1.30 max. Right angle models: 1.35 max.
Working voltage in VRMS (at sea level):	500V
Insertion loss:	Straight models: 0.2dB max. at 3GHz Right angle models: 0.3dB max. at 3GHz
RF leakage:	-55dB min. from 2 to 3GHz
Insulation resistance:	5000Mohm min.
Durability:	500 matings
Temperature range:	-65°C to +165°C
Body:	Brass- Nickel plated
Center contact:	Male: Brass - Gold plated Female: Bronze or heat treated beryllium - Gold plated
Insulator:	PTFE
Gaskets:	Silicone rubber

Plugs

Mfrs. List No.	Order Code	MIL standard	NF standard
R141004000	419-4937		
R141007000	419-4949	UG. 88/U	
R141008000	859-1334		
R141009000	859-1342		
R141018000	419-4962		
R141075000	419-4974		
R141082000	419-4998	UG. 1785/U	KBN 21
R141156000	419-5012	UG. 913A/U	KBN 33
R141182000	419-5024		

422585

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

Cable Group	Cable Type	Order Code	1+	10+	25+	50+
Straight plug clamp type						
	RG174	419-4937				
	RG58	419-4949				
	RG55	859-1334				
	RG	859-1342				
	RG165	419-4962				
Right angle plug clamp type						
	RG58	419-5012				
Straight plug full crimp type						
	RGRG174	419-4974				
	RG58	419-4998				
Right angle plug full crimp type						
	RG58	419-5024				

Jacks

Cable Group	Cable Type	Order Code	1+	10+	25+	50+
Straight jack clamp type						
	RG58,55	859-1393				
Straight square flange jack clamp type						
	RG174, RD316	419-5036				
Straight insulated square flange jack clamp type						
	RG174, RD316	419-5048				

Cable Group	Cable Type	Order Code	1+	10+	25+	50+
Straight bulkhead jack clamp type, fully sealed						
	RG174	419-5061				
	RG58,55	419-5073				
Straight jack crimp type						
	RG58	859-1407				
Straight bulkhead jack crimp type						
	RG174	419-5050				
	RG58	859-1431				

Receptacles

Mfrs. List No.	Order Code	MIL standard	NF standard
R141404000	419-5085	UG. 290A/U	KBN 15
R141407000	859-1440		
R141410000	419-5097		
R141426000	419-5103		
R141440000	419-5127		
R141554000	419-5139	UG. 625B/U	
R141557000	419-5140	UG. 1094/U	KBN 18
R141559000	419-5152	UG. 1094/U	KBN 28
R141572000	419-5176		
R141574000	419-5188		
R141603000W	419-5206	UG. 657/U	
R141605000	419-5218	UG. 657A/U	KBN 17

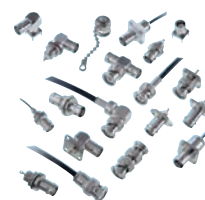
Description	Order Code	1+	10+	25+	50+
Straight bulkhead receptacle - solder pot					
	419-5139				
Straight bulkhead receptacle - solder tag					
	419-5140				
Straight bulkhead receptacle - solder tag					
	419-5152				
Straight bulkhead insulated receptacle with solder tag					
	419-5176				
Straight bulkhead insulated receptacle with solder tag					
	419-5188				
Straight bulkhead receptacle, fully sealed					
Q-200-5 insulator	419-5206				
PTFE insulator	419-5218				
Flange receptacle					
	419-5085				
Square flange jack receptacle - solder pot					
	859-1440				
Insulated square flange receptacle with solder tag					
	419-5097				
Straight PCB female receptacle					
	419-5103				
Square flange male receptacle					
	419-5127				

Adapters and accessories

Mfrs. List No.	Order Code	MIL standard	NF standard
R141703000	419-5255	UG. 491B/U	
R141704000	419-5267	UG. 914/U	
R141720000	419-5280		
R141710000	419-5279	UG. 414A/U	
R141770000	419-5310	UG. 306B/U	KBN 5
R141780000	419-5322	UG. 274B/U	KBN 19
R141812000	419-5334	CW. 282/U	
R141862000	419-5346	CW. 159/U	

Description	Order Code	1+	10+	25+	50+
Male-male adapter					
	419-5255				
Female-female adapter					
	419-5267				
Female-female bulkhead adapter					
	419-5280				
Female-female square flange adapter					
	419-5279				
Male-female right angle adapter					
	419-5310				
Male/female-female tee adapter					
	419-5322				
Protective male cap with chain					
	419-5334				
Short circuit male cap with chain					
	419-5346				

Commercial BNC Series - 50Ω



- Worldwide standardised coaxial connectors
- Bayonet coupling
- Good RF performance
- Proven strength and reliability
- Low cost range
- 50 and 75Ω BNC connectors are intermateable with one another

Applications : Civil Telecommunications, datacommunications, measurement and instrumentation, broadcast application, security & video systems, antennas, automotive industry, general electronics

Impedance:	50ohm	Durability:	100 matings
Frequency range :	0-1.5GHz	Temperature range:	-25°C to +70°C
Operating voltage (VRMS):	500V	Body:	Brass - Nickel plated
Testing voltage in (VRMS):	1500V	Center contact:	Brass- Gold plated (male and female)
Insulation resistance:	5000Mohm min.	Insulator:	Polypropylene
Contact resistance:	10mΩ		

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R141007161	419-4950	R141563161	419-5164
R141075161	419-4986	R141574161	419-5190
R141082161	419-5000	R141665200	177-5180
R141426161	419-5115		

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

244885

Cable Group	Cable Type	Order Code	1+	10+	25+	50+
Straight plug clamp type						
	RG58,55	419-4950				
Straight plug crimp type						
	RG174	419-4986				
	RG58	419-5000				
Straight bulkhead female receptacle						
		419-5164				
Straight insulated bulkhead female receptacle						
		419-5190				
Straight female PCB receptacle						
		419-5115				
Right angle female PCB receptacle						
		177-5180				

Standard BNC series - 75Ω



- Worldwide standardised coaxial connectors
- Bayonet coupling
- Good RF performance
- Proven strength and reliability
- 50 and 75Ω BNC connectors are intermateable with one another

Applications : Civil and military telecommunications, measurement and instrumentation, general electronics

Impedance:	75ohm
Frequency range:	0-1.5GHz
Typical VSWR:	Straight models: 1.30 max. Right angle models: 1.35 max.
Working voltage in VRMS (at sea level):	
Insertion loss:	Straight models: 0.2dB max. @ 1GHz Right angle models: 0.3dB max. @ 1GHz
RF leakage:	-55dB min. from 2 to 3GHz
Insulation resistance:	5000Mohm min.
Durability:	500 matings
Temperature range:	-65°C to +165°C
Body:	Brass - Nickel plated
Center contact:	Male: Brass - Gold plated Female: Bronze or heat treated beryllium - Gold plated
Insulator:	PTFE
Gaskets:	Silicone rubber

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R142004000	859-1458	R142083000	419-5395	R142562000	419-5450
R142016000	419-5358	R142085000	419-5401	R142703000	859-1504
R142017000	541-7442	R142095000	419-5425	R142704000	419-5462
R142018000	419-5360	R142242000	859-1474	R142710000	859-1512
R142076000	419-5371	R142306503	419-5449	R142720000	419-5474

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

244898

Cable Group	Cable Type	Order Code	1+	5+	10+	25+
Straight plug clamp type						
	RG179, RG187	859-1458				
	KX6A, RG59	419-5358				
	RG6	541-7442				
	KX8, RG11, RG144, RG216	419-5360				
Straight plug crimp type						
	KX6A, RG59	419-5401				
Right angle plug clamp type						
	RG179, RG187	419-5371				
	3C2V	419-5395				
	KX8, RG11, RG144	419-5425				
Straight bulkhead jack clamp type						
Straight jack crimp type						
	KX6A, RG59	859-1474				
Straight bulkhead jack crimp type						
	RG179, RG187	419-5449				
Straight bulkhead receptacle with solder pot						
		419-5450				
Male-Male adapter						
		859-1504				
Female-female adapter						
		419-5462				
Square flange female-female adapter						
		859-1512				
Female-female bulkhead adapter						
		419-5474				

Commercial BNC Series - 75Ω



- Worldwide standardised coaxial connectors
- Bayonet coupling
- Good RF performance
- Proven strength and reliability
- Low cost range
- 50 and 75Ω BNC connectors are intermateable with one another

Applications : Civil Telecommunications, datacommunications, measurement and instrumentation, broadcast application, security & video systems, antennas, automotive industry, general electronics

Impedance:	75ohm	Durability:	100 matings
Frequency range:	0-1.5GHz	Temperature range:	-35°C to +70°C
Operating voltage (VRMS):	500V	Body:	Brass - Nickel plated
Testing voltage (VRMS):	1500V	Center contact:	Brass - Gold plated (male and female)
Insulation resistance:	5000Mohm min.	Insulator:	Polypropylene
Contact resistance:	10mΩ		

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R142076161	419-5383	R142085161	419-5413		

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

244907

Cable Group	Cable Type	Order Code	1+	10+	25+	50+
Straight plug crimp type						
	RG179	419-5383				
	RG59	419-5413				

BNC (Female) Isolated Ground Bulkhead Receptacle - 50 Ohm

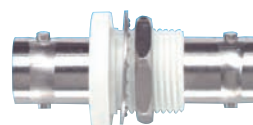


- Mounting hardware is isolated from outer conductor of BNC
- Centre contact: Female: Gold plated beryllium copper
- Maximum panel thickness 4.4mm

311613

Mfrs. List No.	Order Code	1+	5+	10+
3778	443-5928			

Isolated Ground BNC Female to Female Adaptor



- Mounts in panels up to .175 (4.45) thick
- Mounting hardware is isolated from outer conductor of BNC

311578

Mfrs. List No.	Order Code	1+	5+	10+
3846	443-5503			



Current rating	1A dc max	Temperature range	-65°C to +165°C
Working voltage	500V ac or dc peak	Housing	Brass body, silver or nickel plated
Proof voltage	2KV ac or dc peak	Insulators	PTFE
Contact impedance	1.5mΩ max	Contacts	Silver or Gold plated Brass
VSWR	*less than 1.35:1 up to 4GHz (* dependant on cable used)	Sealing gaskets	Silicone rubber

209589

BNC Plugs Cable Mounting 50Ω and 75Ω



- Nickel plated bodies, with gold plated contacts
- Silver plated bodies with silver plated contact

224250

Cable Group	Order Code	1+	10+	50+	100+	250+	500+
50Ω							
RG58	010	116-9573					
RG174	022	116-9574					
75Ω							
UR70	012	116-9575					
RG179	022	116-9576					
RG59	025	116-9577					

BNC Series - continued

BNC Plugs Cable Mounting 50Ω and 75Ω - continued

		Price Each						
Cable	Group	Order Code	1+	10+	50+	100+	250+	500+
Elbow Cable Clamp								
50Ω								
RG58	010	116-9578	●					
Straight Crimp								
50Ω								
RG58	010	116-9586	●					
RG174	022	116-9588	●					
75Ω								
UR70	012	116-9587	●					
RG179	022	116-9589	●					
Nickel Plated Body and Gold contact Straight Cable Clamp								
50Ω								
RG58	010/C10	116-9694	●					
RG174	022	116-9719	●					
75Ω								
UR70	012	116-9721	●					
RG179	022	116-9722	●					
RG59	025	116-9697	●					

Cable	Group	Order Code	Price Each				
			1 +	10 +	50 +	100 +	250 +
Elbow Cable Clamp							
RG174		116-9719	●				
UR70		116-9721	●				
RG179		116-9722	●				
RG59		116-9697	●				
50Ω							
RG58	010	116-9696	●				
RG174	022	116-9720	●				
75Ω							
RG179	022	116-9723	●				
RG59	025	116-9724	●				
Straight Crimp							
50Ω							
RG58	010/B10	116-9698	●				
RG174	022	116-9726	●				
75Ω							
RG179	022	116-9727	●				
RG59	025	116-9728	●				
BT2003	062	116-9561	●				
BT2002	117	116-9729	●				
PSF1/3	366	116-9731	●				
PSF1/2	007	116-9732	●				

BNC Plugs Bulk Packed

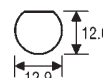


- Most popular BNC connectors now available bulk packed for production runs
- Saves time opening single packs and reduces waste
- Nickel plated bodies with gold plated contacts

227362

100 Per Pack	Cable	Order Code	Price Per Pack		
	Group		1+	3+	5+
Straight Crimp					
50Ω					
RG58	010	116-9602			
RG174	022	116-9613			
75Ω					
RG59	025	116-9603			
RG179	022	116-9615			

BNC Jacks, Cable/Bulkhead Mounting 50Ω and 75Ω



- Nickel plated bodies
- Gold plated centre contacts
- PTFE insulators
- Supplied with nut, shakeproof and sealing washer

219807

Cable	Group	Order Code	Price Each				
			1+	10+	50+	100+	250+
50Ω							
RG58	010	116-9733					
75Ω							
RG179	022	116-9734					

BNC Jacks, Cable Mounting



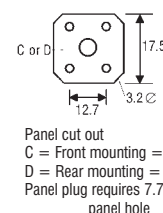
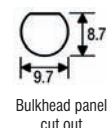
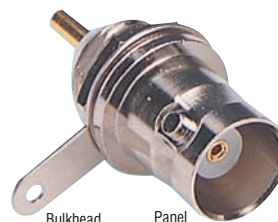
- Silver plated bodies and contacts

- PTFE insulators

227486

			Price Each				
Cable	Group	Order Code	1+	10+	50+	100+	250+
Silver Plated Bodies and Contacts Clamp Straight - 50Ω							
RG58	010	116-9581	●				
Crimp Straight - 50Ω							
RG58	010	116-9590	●				
75Ω							
RG179	022	116-9593	●				
RG59	025	116-9591	●				
Crimp Bulkhead - 50Ω							
RG174	022	116-9594	●				

BNC Bulkhead and Panel Plug and Sockets 50Ω and 75Ω



- Nickel plated bodies, gold plated centre contacts
- Silver plated bodies with silver plated contacts

227364

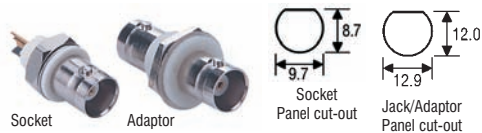
Max.	Price Each						
Panel	Order Code	1 +	10 +	50 +	100 +	250 +	500 +
Silver Plated Body and Contact							
Bulkhead Socket							
50Ω	5 mm	116-9583					
75Ω	5 mm	116-9584					
Panel Socket							
50Ω	—	116-9608					
75Ω	—	116-9611					
Panel Plug							
50Ω	—	116-9585					
75Ω	—	116-9612					
Nickel Plated Body and Gold Contact							
Bulkhead Socket							
50Ω	4 mm	116-9699					
50Ω	9 mm	116-9717					
75Ω	4 mm	116-9736					
Panel Socket							
50Ω	—	116-9700					
75Ω	—	116-9738					



IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items farnell.com

Insulated Bulkhead Connectors 50Ω and 75Ω



Bright nickel plated body with white insulating bush and gold plated centre contact.

219802

		Price Each				
Order Code		1+	10+	50+	150+	250+ 500+
Sockets						
50Ω	116-9702					
Adaptor						
50Ω	116-9703					
75Ω	116-9704					

Ganged BNC Panel Blocks 75 Ω Right Angled



- End stackable
- ABS mounting bracket with metal front face

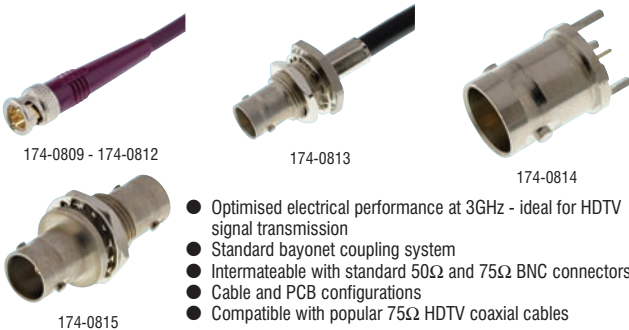
Voltage rating	500V	Insulation Resistance	5000Mohm
Impedance	75ohm	Plating (Body)	Nickel
Frequency range	2GHz	Material, Connector body	Zinc Alloy
Dielectric strength	1.5kV		

272860.343002

No. of Ways.	Order Code	1+	10+	50+	100+
Single Height Array					
4	119-6272				

Digital BNC Series

75Ω HDTV - 6GHz BNC 75 HDTV Series



- Optimised electrical performance at 3GHz - ideal for HDTV signal transmission
- Standard bayonet coupling system
- Intermateable with standard 50Ω and 75Ω BNC connectors
- Cable and PCB configurations
- Compatible with popular 75Ω HDTV coaxial cables

Specifications	75ohm	Insulation Resistance	Nickel Phosphorous Gold
Impedance	Brass	Contact Plating	850V
Contact Material	DC-6GHz	Voltage Rating	1000
Frequency	1500V	No. of Mating Cycles	
Withstanding Voltage	-65°C to 165°C		
Operating Temp.			

Recommended Cable Types	
Order Code	Cable Type
174-0809	CAE HDTV HD 0628, DRAKA HDTV 0.6/2.8
174-0811	BELDEN 1505A, CAE HD 08370, DRAKA 0.8/3.7
174-0813	BELDEN 1505A, CAE HD 08370, DRAKA 0.8/3.7

542448

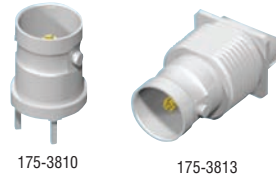
Mfrs. List No.	Order Code	1+	15+	25+	50+	100+
Straight Plug, Crimp Type						
R142077702	174-0809					
R142077722	174-0811					
Straight Bulkhead Jack, Crimp Type						
R142334700	174-0813					
Female - Female Bulkhead Adaptor						
R142720700	174-0815					



TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at farnell.com

BNC Jacks - 75Ω BNC7T Series



- Termination - Through Hole or Edge Mount
- PCB Mounting
- Frequency Range - 0-6 GHz

175-3810

175-3813

Specifications:-
Impedance
Contact Material
Insulator Material
Withstanding Voltage
Cable Type

75ohm
Phosphor Bronze
PTFE
1500V rms min.

Contact Resistance
Contact Plating
Shell Material
Working Voltage

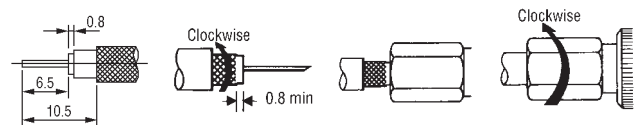
1.5mohm
Gold over Nickel
Nickel Plated Brass
500Vrms max.

546745

Mfrs. List No.	Order Code	1+	10+	25+	50+	100+
Straight Jack, Through Hole						
BNC7T-J-P-HN-ST-TH1	175-3810					
Straight Jack, Edge Mount Bulkhead / Panel Mount for 1.6mm PCB						
BNC7T-J-P-HN-ST-EM1	175-3813					

Twist On BNC Series

'Screw On' BNC connectors ideally suited to field installers where assembly time is at a premium. Can be terminated with practice in less than one minute.



Cable preparation		Terminating method	
Working voltage	500V RMS @ sea level	Breakdown voltage	1500V RMS @ sea level
Contact resistance:	1.5	Housing	Nickel plated Brass
Centre	1.5mΩ/mohm	Contacts	Brass
Outer	0.5mΩ	Insulators	Delrin
Insulation resistance	MΩ		

209626

BNC Plugs Jacks and Bulkhead Jacks 50Ω and 75Ω



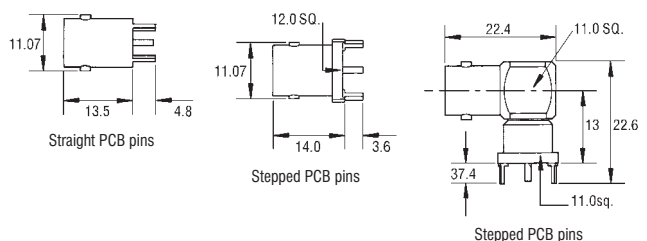
	Impedance	Suitable Cable	Group	Order Code
Plug	50Ω	RG58B/U, UR43, UR76, BT2002	010/117	116-9527
	75Ω	RG59B/U, RG62A/U, PSF1/3M	A25/366	116-9528
	75Ω	UR203, PSF1/2M	028/007	116-9558
Jack	50Ω	RG58B/U, UR43, UR76, BT2002	010/117	116-9529
	75Ω	RG59B/U, RG62A/U, PSF1/3M	A25/366	116-9530
Bulkhead Jack	50Ω	RG58B/U, UR43, UR76, BT2002	010/117	105-547

209628

		Price Each				
Plug	Order Code	1+	10+	50+	150+	250+ 500+
50Ω	116-9527					
75Ω	116-9528					
75Ω	116-9558					
Jack						
50Ω	116-9529					
75Ω	116-9530					

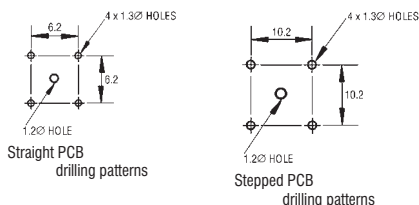
PCB Mounting BNC Jacks

PCB Socket 50Ω



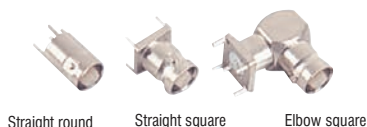
PCB Mounting BNC Jacks - continued

PCB Socket 50Ω - continued



209600

PCB Socket 50Ω



- Nickel plated bodies and gold plated centre contacts

209599

	Order Code	1+	10+	50+	150+	250+	500+
Straight round	116-9705						
Straight square	116-9706						
Elbow square	116-9739						

BNC PCB Jacks 50Ω and 75Ω



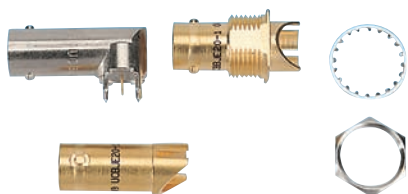
- PCB receptacles with an impedance of 50Ω up to 4GHz or 75Ω up to 2 GHz
- Intermateable with all other makes

Impedance	50Ωohm	75Ωohm
Frequency Range	0-4GHz	0-1GHz
VSWR	1.3 max4GHz	1.05 max1GHz
Contact Resistance	1.5mΩ Centremohm	1.5mΩ Centremohm
	1mΩ Outermohm	1mΩ Outermohm
Insulation Resistance	MΩ	MΩ
Body	Brass - Nickel plated	
Contacts	Pin: Brass - Gold plated	
	Socket: Phosphor Bronze - Gold plated	
Insulator	PTFE	

230374

Mfrs. List No.	Impedance	Order Code	1+	10+	50+	100+
Square						
B6251F1-NT3G-50	50Ω	111-1293				
B6251F1-NT3G-75	75Ω	111-1294				
Round						
B6251C1-NT3G-50	50Ω	111-1295				
B6251C1-NT3G-75	75Ω	111-1296				

PCB Sockets 75Ω

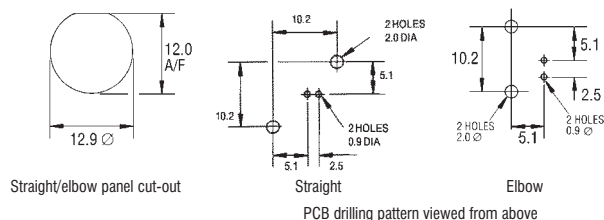


- Nickel bodies
- Gold plated centre contacts
- PTFE dielectric

227366

Mfrs. List No.	Order Code	1+	10+	25+
Bulkhead Edge UCBJE20-1 mount	120-6754			
Edge mount UCBJE20-1	160-8607			
UCBJ224	356-2931			
UCBJR220.	356-3753			
UCBBJE20-1.	356-3765			
UCBJE20-1	160-8607			

PCB/Panel Sockets Mounting Details



209603

BNC PCB Jacks 50Ω and 75Ω

Insulated / Screened



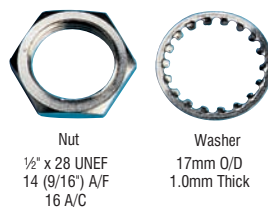
- PCB receptacles with an impedance of 50Ω up to 4GHz or 75 up to 2 GHz
- White polypropylene insulator
- Zinc diecast housing for screened version

Body	Brass - Nickel plated
Contacts	Pin: Brass - Gold plated
	Socket: Phosphor Bronze - Gold plated
Insulator	Polypropylene
Impedance	50ohmΩ 75Ωohm
Frequency Range	0-4GHz 0-2GHz
VSWR	1.3 max4GHz 1.05 max2GHz
Contact Resistance	1.5mΩ Centre 1.5mΩ Centre
	1mΩ Outer 1mΩ Outer
Insulation Resistance	GΩ GΩ

230375

Mfrs. List No.	Impedance	Order Code	1+	10+	50+	100+
B6252H5-NPP3G-50	50Ω	107-6288				
B6252H5-NPP3G-75T	75Ω	111-1297				
B6252H7-NPP3G-50	50Ω	107-6289				
B6252H7-NPP3G-75T	75Ω	111-1298				
B6251G1-NPP3G-50	50Ω	107-6290				
B6251G1-NPP3G-75T	75Ω	107-6291				
B6252HA-NPP3G-50	50Ω	107-6293				
B6252HA-NPP3G-75T	75Ω	107-6294				
B6252HB-NPP3G-50	50Ω	107-6295				
B6252HB-NPP3G-75T	75Ω	107-6296				
B6251G3-NPP3G-50	50Ω	107-6297				
B6251G3-NPP3G-75T	75Ω	111-1299				

Panel Mounting Nut and Shakeproof Washer



Nut
1/2" x 28 UNEF
14 (9/16") A/F
16 A/C

Washer
17mm O/D
1.0mm Thick

- Fits insulated BNC panel sockets
- Fits EMI/RFI screened BNC standard and low profile
- Fits insulated bulkhead jack sockets
- Fits crimp and cable bulkhead jack sockets
- Nickel plated brass nuts, nickel plated phosphor bronze washers

209566

5 Per Pack Order Code	1+	10+	50+	150+	250+	500+
116-9718						

Adaptors and Accessories

BNC and F-Type Adaptors

NEW



- HDTV adaptors
- Contact material: Brass
- Contact plating: Gold

619627

Adaptor	Order Code	1+	10+	100+
75Ω				
Receptacle to F Coaxial Receptacle	181-4372			
RCA / Phono Receptacle to F Coaxial Plug	181-4373			
BNC Coaxial Receptacle to F Coaxial Plug	181-4374			
50Ω				
BNC Coaxial Plug to F Coaxial Receptacle	181-4375			

Inter Series Adapters

Coaxial



- A range of inter series RF coaxial adapters
- Impedance: 50Ω
- Inner contact plating: Gold

NEW

Coaxial Type	Mfrs. List No.	Order Code	1+	10+	25+	50+
SMA Plug to						
SSMCX Jack	73386-0840	190-9178				
SMB Coaxial Jack	73386-0192	190-9185				
SSMCX Plug	73386-0830	190-9188				
SMB Coaxial Plug	73386-0211	190-9189				
MMCX Coaxial Plug	73386-0300	190-9190				
U.FL Coaxial Plug	73386-0850	190-9192				
SMA Jack to						
BNC Coaxial Jack	73386-0042	190-9179				
N Coaxial Jack	73386-0142	190-9180				
SMB Coaxial Jack	73386-0202	190-9181				
N Coaxial Jack Bulkhead	73386-1090	190-9182				
BNC Coaxial Plug	73386-0032	190-9183				
SMB Coaxial Plug	73386-0223	190-9187				
TNC Coaxial Plug	73386-0103	190-9191				
U.FL Coaxial Jack	73386-0860	190-9193				
BNC Jacks to						
BNC Coaxial Plug	73151-5001	190-9194				
BNC Coaxial Jack	73171-0322	190-9195				
BNC Coaxial Jack Bulkhead	73171-0342	190-9196				
N type Jack to						
N Coaxial Jack	73276-0022	190-9197				

BNC Adaptors and Accessories

Amphenol



Impedance	50Ωohm	75Ωohm	Body	Brass - Nickel plated
Frequency Range	0-4GHz	0-2GHz	Contacts	Pin: Brass - Gold plated
VSWR	1.3 max4GHz	1.05 max2GHz		Sockets: Phosphor Bronze - Gold plated
Contact Resistance	1.5mohm Centre	1.5mohm Centre	Insulation	Delrin
	0.2mΩOuter	1.0mΩOuter		
Insulation Resistance	5000Mohm	5000Mohm		
230311				
Mfrs.				Price Each
List No.	Impedance	Order Code	1+	10+ 50+ 100+
Right Angle Plug to Jack				
B5072A1-ND3G-50	50Ω	111-1300	●	
Plug to Plug				
B2071A2-ND3G-50	50Ω	111-1301	●	
'T' Plug to Jack to Jack				
B9073D1-ND3G-50	50Ω	111-1302	●	
B9073D1-ND3G-75	75Ω	111-1303	●	
'T' Jack to Jack to Jack				
B8073A1-ND3G-50	50Ω	111-1304	●	
B8073A1-ND3G-75	75Ω	111-1305	●	
Jack to Jack				
B7071A1-ND3G-50	50Ω	111-1306	●	
B7071A1-ND3G-75	75Ω	111-1307	●	
Isolated Bulkhead Adaptors Jack to Jack				
B7771B3-ND3G-50	50Ω	111-1311	●	
B7771B3-ND3G-75	75Ω	111-1312	●	
Terminator Plugs				
B1004A1-ND3G-50R-0.01-1W	50Ω	111-1313	●	
Male cap with chain				
B1005A1-N		111-1315	●	

BNC Adaptors

50Ω and 75Ω

Tyco Electronics



Mfrs. List No.	Order Code	1+	10+	50+	100+
Silver Plated					
50Ω					
Straight Jack-Jack	1-1337457-0	105-6274			
Bulkhead Jack-Jack	1-1478046-0	105-6267			
75Ω					
Straight Plug-Plug	1-1478043-0	105-6275			
'T' Jack-Plug-Jack	1-1478039-0	105-6278			
Nickel Plated					
50Ω					
Ins Bulkhead Jack-Jack	1-1337454-0	105-6265			

BNC Accessories

50Ω and 75Ω

Tyco Electronics



Mfrs. List No.	Order Code	1+	10+	50+	100+
Silver Plated					
Plug Terminations					
50Ωohm	117-0188				
75Ωohm	120-5967				
Dustcap					
Plug cap and chain	120-5966				

Straight, 'T' and Elbow, 50Ω

multicomp



Nickel plated bodies and gold plated centre contacts

Adaptors and Accessories - continued

Straight, 'T' and Elbow, 50Ω - continued

50Ω	Order Code	Price Each					
		1+	10+	25+	50+	100+	250+
Plug-Plug	116-9740						
Jack-Jack	116-9741						
'T' adaptor	116-9742						
Elbow	116-9559						
Dual 'F'	251-082						
Dual straight	116-9542						
Dual right angle	116-9556						

224253

75Ω BNC Adaptors



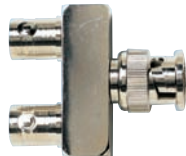
726-4963



726-5104



726-4987



726-5086



726-5116



726-5128



139-8787

386503

Mfrs. List No.	Order Code	1+	10+	50+
BNC Female to BNC Female				
6737	726-4963			
BNC Female to BNC Male and BNC Male ('T')				
6739	726-4987			
BNC Female to BNC Male and BNC Male (In-Line)				
6754	726-5086			
BNC Female to F-Type Female				
6780	726-5104			
BNC Female to F-Type Male				
6781	726-5116			
BNC Male to F-Type Male				
6782	726-5128			
BNC Female to 3.5mm Jack Plug				
3837	139-8787			

Component Container

'Sucobox' 50Ω



The 'Sucobox' is a versatile component container with coaxial input and output connectors.

- 50mm x 25.4mm x 25.4mm
- Configuration male to female

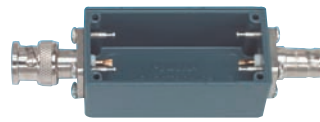
240344

Mfrs. List No.	Order Code	1+	10+	50+
Sucobox	F66 CB-50-0-1/ --- -E			

Size A Aluminium Box with Covers

Pomona Electronics

Test & Measurement Accessories



- Ideal for passive or active networks
- Blue baked enamel finish
- BNC male and female connectors
- Cover and screws included
- Dimensions: 57 x 29 x 22mm

311498

Mfrs. List No.	Order Code	1+	5+	10+
2391	443-5333			

Size B Aluminium Box with Covers

Pomona Electronics

Test & Measurement Accessories



- Ideal for passive or active networks
- Blue baked enamel finish
- BNC female connectors
- Cover and screws included
- Dimensions: 57 x 35 x 29 mm

311499

Mfrs. List No.	Order Code	1+	5+	10+
3230	443-5345			

Shielded Boxes with 50Ω BNC Adaptors

Pomona Electronics

Test & Measurement Accessories



- Ideal for passive or active networks
- Blue baked enamel finish
- Operating temperature is -55°C to 150°C

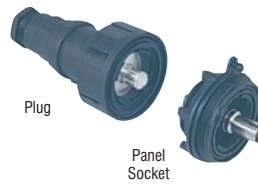
- Cover and screws included
- Dimensions: 57.15 x 35.05 x 28.7mm

386429

Mfrs. List No.	Order Code	1+	5+	10+
BNC Male to BNC Female Adaptors				
3231	123-4948			
BNC Female to BNC Female Adaptors				
3239	123-0748			

Sealed BNC Series

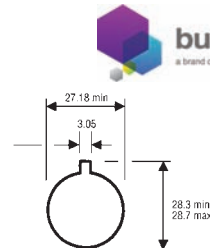
Sealed 50Ω and 75Ω



Plug

Panel Socket

Cable entry = 6 - 8.1



Panel cut-out

Panel thickness = 0.8 - 6.4 max

A range of 50Ω and 75Ω sealed BNC crimp connectors manufactured to IP68 standard for a mated pair. Available in a panel style socket or free style plug in 50Ω or 75Ω. The sealing cap also acts as a tool to aid removal and fitting of inserts during assembly. CSA, VDE Approved. UL Recognised.

Peak working voltage
Frequency
Temperature rating
Housing

500V
19GHz
-20°C to +70°C
Filled Nylon,
Oil and salt water resistant

Suitable cable

BrassSilver
50ΩRG58
75ΩUR70

RG58, UR43, UR76
UR70

Mfrs. List No.
PX0742/P/50 = 427-214
PX0742/P/750HM = 427-226

Mfrs. List No.
PX0741/S/50 = 427-238
PX0741/S/75 = 427-240

Mfrs. List No.
PX0733 = 314-390
PX0734 = 314-407

219805

				Price Each			
Cable	Impedance	Group	Order Code	1+	25+	50+	100+
Free Plugs							
RG58P742P50	50Ω	010	427-214	●			
UR70P742P75	75Ω	012	427-226	●			
Panel Sockets							
RG58P741S50	50Ω	010	427-238	●			
UR70P741S75	75Ω	012	427-240	●			
Cap/Assembly Tools							
To fit P471P733			314-390	●			
To fit P472P733			314-407	●			

Insulated BNC Series

Quick Connect Series

BNC Plug and Receptacles



- Quick latch mechanism
- Contacts use lock nut and soldered conductors
- Universal mounting
- Standard sealing O-ring
- Constructed from Ultem®, a high temperature resistant composite material

Mfrs. List No. QC26-5001S = 152-0343 QC24-5001P = 152-0344
 Operating Temperature -55°C to 150°C Insulation resistance >MΩ

495551

Price Each					
Order Code	1+	10+	50+	100+	
50 Ω					
Plug 152-0343					
Receptacle 152-0344					
Accessory					
Backshell 152-0336					
Cap 101-9257					

Touch Proof BNC Series

BNC Shrouded Right Angle Socket



- Flat profile
- Four locating pins are for additional shielding
- Touch protected
- Voltage rating: 1000V CAT III
- Inner socket plating: Gold
- Termination method: Through hole right angle

640580

	Mfrs.		Price Each			
Colour	List No.	Order Code	1+	10+	50+	100+
Metric						
Black	67.9569-21	190-7033				
Red	67.9569-22	190-7034				

- Fully insulated, touch proof
 - Conform to **EN61010** and **IEC1010-2-031**
 - 50Ω or 75Ω impedance
 - Use standard RG58 or RG59 coax
 - Rated 1000V to earth, overvoltage category II (CATII)
 - Voltage between inner and outer conductors must **not** exceed 500V
- Inner conductor/shield 500V CATII, 300V CATIII/500V 500V
 Shield/housing 1000V CATII, 300V CATIII
 Operating temperature -10°C to +70°C
 Contacts Brass, Brass Plated Gold
 Housing Polyamide
 Insulator Polyethylene, PTFE, soldered panel socket

209617

Free Plugs 50Ω



- Gold plated crimp or solder inner contact
- Crimp outer contact
- Full assembly instructions supplied

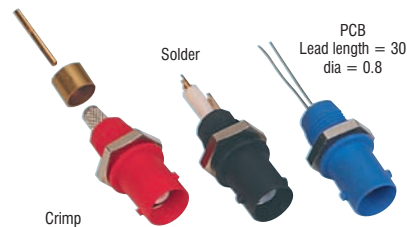
Overall length = 51

224254

Mfrs.		Price Each					
Colour	List No.	Order Code	1 +	10 +	25 +	50 +	100 +
50Ω - RG58 Type Group 010							
Red	67.9760-22	108-5534					
Black	67.9760-21	108-5535					
Blue	67.9760-23	108-5536					

Panel Mount Sockets

Crimp, Solder or PCB



- Gold plated centre contact
- Crimp version terminates to RG58 cable
- Solder style has PTFE insulation
- PCB wires can be bent to 90° for PCB mounting
- Gold plated centre contact
- Solder style has PTFE insulation
- PCB wires can be bent to 90° for PCB mounting

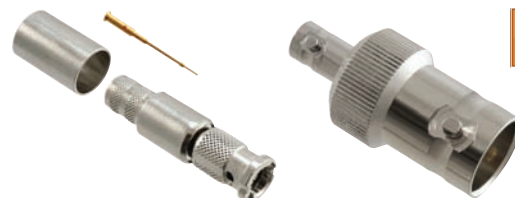
224256

Mfrs.	Price Each						
Colour	List No.	Order Code	1+	10+	25+	50+	100+
Crimp RG58 Type							
Red	67.9766-21	108-5541					
Solder							
Red	67.9764-22	108-5543					
Black	67.9764-21	108-5544					
Blue	67.9764-23	108-5545					
PCB							
Red	67.9765-22	108-5546					
Black	67.9765-21	108-5547					
Blue	67.9765-23	108-5548					

High Density BNC

High Density BNC Connectors

Amphenol



NEW

Amphenol RF, introduces the High Density BNC family of connectors. HD-BNC delivers true 75Ω performance in a footprint 51% smaller than traditional BNC connectors, allowing four times the density, and 40% smaller than the DIN 1.0/2.3. Engineered to enhance electrical and mechanical performance, the HD-BNC connector features the push and turn interface of a traditional BNC, providing tactile feedback and a positive lock for quick and guaranteed mating.

Impedance	75Ω	Centre Contact Resistance	5mΩ
Data Rate	3 Gbps	Outer Contact Resistance	2.5mΩ
Insulation Resistance	10GΩ	Durability	500 Cycles Min.

657751

Mounting Type	Frequency Max.	Mfrs. List No.			Price Each		
			Order Code	1 +	10 +	50 +	
Standard Cable							
Belden 1694A	3GHz	034-1017-300	189-4588				
Belden 1695A	4GHz	034-1027	189-4591				
High Density Cable							
Belden 1505A	4GHz	034-1025	189-4589				
Belden 1855A	3GHz	034-1026	189-4590				
TFC HD 210	3GHz	034-1033	189-4592				
Bulk Head THT Jack							
Straight	4GHz	034-1028	189-4593				
Edge Mount	4GHz	034-1018	189-4595				
Right Angle	4.5GHz	034-1030	189-4597				

3 Leg Vertical THT Jack

Total Length (mm)						
11.96	4.5GHz	034-1021	189-4594			
12.25	4.5GHz	034-1032	189-4598			
16.25	4.5GHz	034-1038	189-4599			

Adaptors

Convert to		Mfrs.	Price Each			
Coaxial Type	Gender	List No.	Order Code	1+	5+	10+
Standard HD BNC Receptacles to						
HD BNC Coaxial	Receptacle	APH-BNCJ-HDBNCJ	189-4601			
BNC Coaxial	Plug	APH-BNCP-HDBNCJ	189-4604			
HD BNC Coaxial	Receptacle	APH-HDBNCJ-J	189-4606			
N Coaxial	Receptacle	APH-NJ-HDBNCJ	189-4613			
N Coaxial	Plug	APH-NP-HDBNCJ	189-4616			

High Density BNC - continued

High Density BNC Connectors - continued

Standard HD BNC Plug to

BNC Coaxial	Receptacle	APH-BNCJ-HDBNCP	189-4603	●
BNC Coaxial	Plug	APH-BNCP-HDBNCP	189-4605	●
HD BNC Coaxial	Receptacle	APH-HDBNCP-J	189-4608	●
N Coaxial	Receptacle	APH-NJ-HDBNCP	189-4615	●
N Coaxial	Plug	APH-NP-HDBNCP	189-4617	●

Isolated HD BNC Receptacles to

1.0 / 2.3 Coaxial	Receptacle	APH-HD-ISO-1023	189-4610	●
BNC Coaxial	Receptacle	APH-HD-ISO-BNC	189-4611	●
HD BNC Coaxial	Receptacle	APH-HD-ISO-HD	189-4612	●

Accessories

Gender	Mfrs. List No.	Order Code	1+	5+	10+
HD BNC Terminators					
Receptacle	APH-HDBNCP-T	189-4607	●		
Plug	APH-HDBNCP-T	189-4609	●		
Tools					
Quick Mate / Unmate	227-T2000	189-4618	●		
Spanner Nut	227-1490	189-4619	●		

Mini BNC Series

Mini BNC 75Ω

molex

NEW



- Body material: Brass
- Body plating: Nickel
- Contact material: Beryllium copper
- Contact plating: Gold

651770

Orientation	Length (mm)	Mfrs. List No.	Order Code	1+	10+	50+	100+
Jacks - Through Hole							
Right Angle	13.69	73171-2750	190-9256	●			
Right Angle	21.59	73171-2680	190-9257	●			
Straight	11.07	73171-2730	190-9258	●			

Jacks - Through Hole - Bulkhead

Right Angle	—	73415-2202	190-9262	●			
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Jacks - Through Hole - Card Edge

Straight	13.46	73171-2741	190-9259	●			
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Jacks - Cable Mount - RG179

Straight	13.46	73171-2631	190-9260	●			
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Plugs - Cable Mount - RG179

Straight	14.68	73171-2640	190-9261	●			
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TNC Series

TNC Plugs & Jacks

50Ω

molex

NEW



- Miniature design
- Space saving vertical mating
- Threaded coupling
- Ensures connector will not decouple in vibration intensive applications
- Frequency DC to 11 GHz
- Reverse polarity keying system

Applications: Industrial Automation, Medical, Military/Aerospace, Telecommunications and Transportation.

Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Contact Plating	Bulkhead	Order Code
Right Angle Jack						
73216-2710	Through Hole	—	—	Gold	×	190-9349
73216-2730	Through Hole	—	—	Gold	×	190-9350
73216-1500	Through Hole	—	—	Gold	✓	190-9352
Right Angle Plug						
73216-0050	Cable	Crimp	RG-141, RG-303, RG-58	—	×	190-9351
Straight Jack						
73216-0100	Cable	Crimp	RG-141, RG-303, RG-58	Gold	✓	190-9353
Straight Flange Jack						
73216-2720	Cable	Solder	1.32mm	—	×	190-9354

657810

Mfrs.

List No.	Order Code	1+	10+	50+	100+	250+
Right Angle Jack						
73216-2710	190-9349	●				
73216-2730	190-9350	●				
73216-1500	190-9352	●				
Right Angle Plug						
73216-0050	190-9351	●				
Straight Jack						
73216-0100	190-9353	●				
Straight Flange Jack						
73216-2720	190-9354	●				

TNC Plugs and Jacks 50Ω

Amphenol



- Mid size coaxial connector with threaded coupling
- 50Ω impedance for applications up to 11GHz

Working Voltage	500V rms
Impedance	50Ω
Frequency Range	0-11GHz
Withstand Voltage	1500V rms
VSWR	1.3max
Contact Resistance	1.5mΩ centre 0.2 mΩ outer
Insulation resistance	MΩ
Body	Brass - Nickel plated
Contacts	Plug: Brass - Gold plated Socket: Phosphor Bronze - Gold plated
Insulator	Delrin

230280

Mfrs. List No.	Cable Group	Order Code	1+	10+	50+
T1141A1-ND3G-1-50	1	111-1352	●		
T1121A1-ND3G-1-50	1	111-1353	●		
T6351B1-ND3G-50	—	111-1354	●		

TNC Series

Tyco Electronics



Impedance	50Ω	Temperature Range	-65°C to 165°C
Frequency Range	0-11GHz	Mating Cycles	500
Working Voltage	500V RMS	Body	Brass - Silver plated
Contact Resistance	1.5mΩ Centre 1mΩ Outer	Centre Contacts	Brass - Silver plated
Insulation Resistance	MΩ	Insulation	PTFE

Mfrs. List No.	1-1337469-0=105-6286	1-1478021-0=105-6287
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231105

Cable Type	Order Code	1+	+	+	+
Straight Solder Jack					
	105-6286	●			
Bulkhead Socket					
	120-5978	●			
Bulkhead Jack					
RG58	105-6287	●			

TNC Plugs

Crimp Plugs

Tyco Electronics

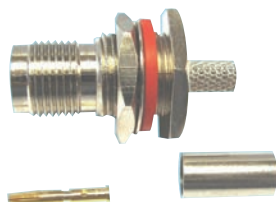


Mfrs. List No.	5-1814801-3
Order Code	124-8957

451147

Impedance	Cable Type	Order Code	1+	10+	50+	100+
75Ω	RG59B/U	124-8957	●			

TNC Bulkhead Jacks Crimp and Solder Tag



Mfrs. List No.	Order Code
5-1814802-3	124-8958
5-1814804-1	124-8962

451155

Impedance	Cable Type	Order Code	1+	10+	50+	100+
Crimp						
50Ω	RG58Ω	124-8958				
Solder Tag						
50Ω		124-8962				

TNC PCB Jacks



Mfrs. List No.	Order Code
5-1814807-1	124-8965

451159

Impedance	Order Code	1+	10+	50+	100+
Right Angle - Insulated					
50Ω	124-8965				

TNC Plugs and Jacks 50Ω

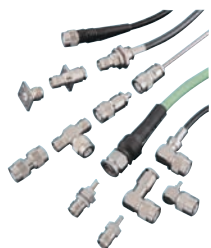


- A range of pressure sleeve clamp plugs and jacks
- Features 'Top Hat' clamping style
- Faster to terminate than braid clamp types

239263

Cable	Mfrs. List No.	Order Code	1+	50+	100+
Straight Plug 50Ω					
RG58	1-1478415-0	105-6303			
Bulkhead Jack 50Ω					
RG58	1-1478417-0	105-6305			

Commercial TNC Series - 50Ω



- Screw-on equivalent to BNC bayonet series
- Good RF performance
- Suitable for high power levels
- Long life and high strength

Mfrs. List No.	Order Code
R143082161	419-5530
R143182161	419-5565

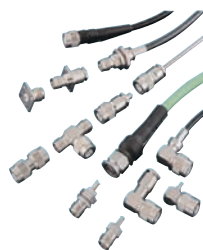
Impedance:	50ohm
Frequency range:	0-1.5GHz
Typical VSWR:	1.3 max.
Working voltage (VRMS):	500V
Insertion loss:	0.18dB max. at 9GHz
RF leakage:	-60dB min. from 2 to 3GHz
Insulation resistance:	5000Mohm min.
Durability:	100 matings
Operating temperature:	Standard models : -35°C to +70°C
Body:	Brass - Nickel plated
Contact :	Male : Brass - Gold plated
	Femelle : Beryllium copper - Gold plated
Insulator:	PTFE
Gaskets:	Silicone rubber

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

244949

Cable Group	Order Code	1+	10+	25+	50+
Straight plug crimp type					
	419-5530				
Right angle plug crimp type					
	419-5565				

Standard TNC Series - 50Ω



- Screw-on equivalent to BNC bayonet series
- Good RF performance
- Suitable for high power levels
- Long life and high strength

Impedance:	50ohm				
Frequency range:	0-11GHz				
Typical VSWR:	1.3 max.				
Working voltage:	500V eff				
Insertion loss:	0.18dB max. at 9GHz				
RF leakage:	-60dB min. from 2 to 3GHz				
Insulation resistance:	5000Mohm min.				
Durability:	500 matings				
Operating temperature:	Standard models :			-65°C to +165°C	
	Hermetically sealed models :			-65°C to +100°C	
	Semi-rigid cable equipped models :			-65°C to +105°C	
Body:	Brass - Nickel plated				
Contact :	Male : Brass - Gold plated				
	Female : Beryllium copper - Gold plated				
Insulator:	PTFE téflon				
Gaskets:	Silicone rubber				
Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R143008000	419-5504	R143207000	419-5577	R143703000	859-1571
R143012000	859-1520	R143254000	419-5589	R143704000	859-1580
R143018000	419-5516	R143324000	419-5590	R143710000	859-1598
R143075000	419-5528	R143325000	419-5607	R143770000	419-5644
R143082000	859-1539	R143405000	419-5619	R143780000	859-1601
R143156000	419-5541	R143603000W	419-5620	R143812000	859-1610
R143182000W	419-5553	R143654000	859-1563		

Applications : Avionics, aeronautics, computers, countermeasures...

244936

Cable Group	Order Code	1+	10+	25+	50+
Straight plug clamp type					
	419-5504				
	859-1520				
	419-5516				
Right angle plug clamp type					
	419-5541				
Straight plug crimp type					
	419-5528				
	859-1539				
Right angle plug crimp type					
	419-5553				
Straight jack clamp type					
	419-5577				
Square flange straight jack clamp type					
	859-1547				
	419-5589				
Bulkhead straight jack clamp type, rear mounting					
	419-5590				
	419-5607				
Square flange straight jack receptacle					
	419-5619				
Square flange right angle jack receptacle					
	859-1563				
Bulkhead panel sealed straight jack receptacle					
	419-5620				
Male-Male adapter					
	859-1571				
Female-female adapter					
	859-1580				
Square flange female-female adapter					
	859-1598				
Bulhead hermetically sealed female-female adapter					
	419-5632				
Right angle male-female adapter					
	419-5644				
Male/female-female tee adapter					
	859-1601				
Protective male cap with chain					
	859-1610				

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

TNC Series - continued

Plugs, Jacks and Sockets - 50Ω



- Silver plated bodies and contacts
- PTFE insulators

227509

Cable Group	Order Code	1+	10+	50+	100+	250+
Silver Plated Bodies and Contacts						
Clamp Plug - 50Ω						
RG58	010 116-9597●					
Crimp Plug - 50Ω						
RG58	010 116-9598●					
Clamp Jack - 50Ω						
RG58	010 116-9599●					
Bulkhead Jack - 50Ω						
-	116-9600●					

TNC Reverse Polarity Connectors 50Ω

Plugs and Jacks



- 50Ω impedance for applications up to 4GHz

Voltage Rating	500V Peak
Impedance	50Ω
Frequency Range	0-4GHz
Withstand Voltage	1500V rms
VSWR	1.3max
Insulation resistance	MΩ
Body	Brass - Bright Nickel plated
Contacts	Plug: Brass - Gold plated Socket: Beryllium Copper - Gold plated
Insulator	TFE

456903

Mfrs. List No.	Cable Type	ACE Tool No.	Order Code	1+	10+	25+	50+
Crimp Plug							
RT1121A1-NT3G-H155-50	H155	3	132-7450●				
Crimp Jack							
RT6121A1-NT3G-1-50	RG58	3	132-7452●				

N Series

N-Type Plugs & Jacks

50Ω



NEW



- Accommodates a wide range of medium to mini-size RG coaxial cables in a rugged medium-sized design
- Durable threaded coupling
- Ensures connector will not decouple in vibration intention applications
- DC to 18 GHz

Applications: Data/Communications, Industrial Automation, Medical, Military/Aerospace, Telecommunications and Transportation.

Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Bulkhead	Order Code
Straight Jack					
73100-0033	Cable	Crimp	RG-141, RG-303, RG-58	×	190-9355
73100-0037	Cable	Crimp	RG-141, RG-303, RG-58	✓	190-9357
73276-0040	Cable	Solder	RG-213	×	190-9362
Right Angle Plug					
73276-0190	Cable	Crimp	RG-141, RG-303, RG-58	×	190-9359
Straight Plug					
73100-0042	Cable	Crimp	RG-141, RG-303, RG-58	×	190-9360
73258-5059	Cable	Crimp	RG-142, RG-223, RG-400, RG-55	×	190-9361
73276-0110	Cable	Crimp	LMR-400	×	190-9363
Straight Flange Jack					
73276-1350	Panel	-	Hookup Wire	×	190-9358

657815

Mfrs. List No.	Order Code	1+	10+	25+	50+	100+
Straight Jack						
73100-0033	190-9355●					
73100-0037	190-9357●					
73276-0040	190-9362●					
Right Angle Plug						
73276-0190	190-9359●					

Mfrs.

Price Each

List No.	Order Code	1+	10+	25+	50+	100+
Straight Plug						
73100-0042	190-9360●					
73258-5059	190-9361●					
73276-0110	190-9363●					
Straight Flange Jack						
73276-1350	190-9358●					

N Series 50Ω



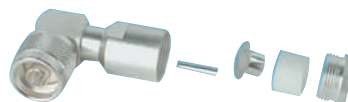
Impedance	50Ω	Insulation Resistance	000MΩ
Frequency Range	0-11GHz	Body	Brass - Nickel plated
VSWR	1.3 max	Contacts	Pin: Brass - Gold plated
Contact Resistance	1mΩ Centre 0.2mΩ Outer	Insulation	Sockets: Phosphor Bronze - Gold plated PTFE

230312

Mfrs. List No.	Cable Group	Order Code	1+	10+	100+
Crimp Plug					
N1121A1-NT3G-7-50	7	111-1380●			
N1121A1-NT3G-1-50	1	111-1381●			
N1112B1-001-NT3G-1-50	1	111-1382●			
N6121A1-NT3G-1-50	1	111-1384●			
N6421A1-NT3G-1-50	1	111-1385●			
N1141A1-NT3G-1-50	1	111-1386●			
N6551A1-NT3G-50	—	111-1387●			
N7071A1-NT3G-50	—	111-1388●			
N7471A1-NT3G-50	—	111-1389●			
N2071A1-NT3G-50	—	111-1390●			

N Series Plugs

50Ω



- A range of pressure sleeve clamp plugs
- Features 'Top Hat' clamping style
- Faster to terminate than braid clamp types

239264

Cable	Mfrs. List No.	Order Code	1+	50+	100+
Straight Plug 50Ω					
RG58	1-1478419-0	105-6308●			
RG213	1-1478420-0	105-6309●			
RG214	1-1478421-0	105-6312●			

N Series Plugs and Jacks

50Ω and 75Ω



- Available with 50Ω and 75Ω impedance
- Operates up to 11GHz for flexible cable and 18 GHz for semi-rigid cables
- Screw type coupling for reliable connection

Impedance	50Ω or 75Ω	Ins Resistance	≤ 5 · 10 ⁹ MΩ
Working Voltage	≤1.0V rms 50 Hz	Temp Range	-65°C165°C to +
DWV	2.5V rms 50 Hz	Mating Cycles	≥500
Contact Res - Centre	1.0mΩ	Bodies	BrassSuccplate plated
Contact Res - Outer	1.0mΩ	Insulator	PTFE

240670

Mfrs. List No.	Order Code	1+	10+	50+
Plugs - RG213 - 50Ω				
Straight	11 N-50-7-43/133NE	416-3199●		
RA	16 N-50-7-30/133NE	416-3205●		
Jacks - RG213 - 50Ω				
Straight	21 N-50-7-13/133NE	416-3217●		

	Mfrs. List No.	Order Code	1+	10+	50+
Plugs - RG58 - 50Ω					
Straight	11 N-50-3-28/133NE	416-3230			
RA	16 N-50-3-26/133NE	416-3242			
Jacks - RG58 - 50Ω					
Straight	21 N-50-3-7/133NE	416-3254			
Bulkhead	25 N-50-3-4/133NE	416-3266			
Plugs - RG59 - 75Ω					
Straight	11 N-75-4-6/133NE	416-3278			

N series - 50Ω



- Standard coaxial connectors
- Screw-on coupling
- High durability and proven strength
- High power rating
- Excellent RF performance

Applications : Wireless communications, civil and military radio-telecommunication equipment, countermeasure, navy equipment, videocommunication, computer network, industrial network.....

Impedance:	50ohm / 75ohm
Frequency range:	0-11GHz
Typical VSWR:	1.30 max.
Working voltage (VRMS):	850V
Insertion loss:	Straight models: 0.15dB max. at 10GHz Right angle models: 0.15dB max. at 10GHz

RF leakage:	
Insulation resistance:	5000Mohm min.
Durability:	500 matings
Operating temperature:	Standard models : -55°C to +155°C Semi-rigid cables : -55°C to +105°C

Body:	Male: Brass - Gold plated
Center contact :	Female: Treated beryllium copper - Gold plated
Insulator:	PTFE
Gaskets:	Silicone rubber

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R161004000	859-1628	R161252000	419-5760	R161606000	419-5840
R161006000	419-5656	R161256000	419-5772	R161703000	419-5851
R161010000	419-5668	R161270000	859-1652	R161705000	419-5863
R161020000	419-5670	R161277000	120-7557	R161715000	419-5875
R161022000	419-5681	R161321000	419-5796	R161753000	120-7558
R161075000	419-5693	R161322000	419-5802	R161771000	120-7559
R161082000	419-5700	R161325000	763-1224	R161780000	419-5905
R161083000	419-5711	R161332000	859-1660	R161841000	859-1695
R161168000	120-7555	R161404000	419-5814	R161853000	859-1709
R161206000	419-5747	R161441000	419-5826	R161862000	859-1717
R161220000	419-5759	R161570000	419-5838		

Cable Group	Order Code	Price Each		
		1+	10+	25+
Straight plug clamp type				
RG-179, RG-187, RG-188, RG-316	859-1628			
RG-58, RG-141, RG-142, RG-142FTX, RG-223, RG-400	419-5656			
RG-11, RG-144, RG-165, RG-213, RG-214, RG-216, RG-225, RG-393	419-5670			
Straight plug clamp type - captured center contact				
RG-58, RG-141, RG-142, RG-142FTX, RG-223, RG-400	419-5668			
RG-11, RG-144, RG-165, RG-213, RG-214, RG-216, RG-225, RG-393	419-5681			
Right angle plug clamp type				
RG-11, RG-144, RG-165, RG-213, RG-214, RG-216, RG-225, RG-393	120-7555			
Straight plug full crimp type				
RG-58, RG-141	419-5700			
RG-142, RG-142FTX, RG-223, RG-400	419-5711			
RG-165, RG-213	419-5693			
Straight jack clamp type				
RG-58, RG-141, RG-142, RG-142FTX, RG-223, RG-400	419-5747			
RG-11, RG-144, RG-165, RG-213, RG-214, RG-216, RG-225, RG-393	419-5759			
Square flange straight jack clamp type				
RG-188, RG-316	419-5760			
RG-58, RG-141, RG-142, RG-142FTX, RG-223, RG-400	419-5772			
RG-11, RG-144, RG-165, RG-213, RG-214, RG-216, RG-225, RG-393	859-1652			
RG-402, Belden 1673A	120-7557			
Bulkhead straight jack clamp type				
Front mounting	419-5796			
Rear mounting	419-5802			
RG-58, RG-141, RG-142, RG-142FTX, RG-223, RG-400	763-1224			
RG-11, RG-144, RG-165, RG-213, RG-214, RG-216, RG-225, RG-393	859-1660			



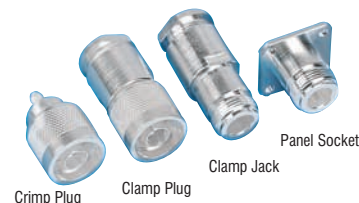
Cable Group	Order Code	Price Each		
		1+	10+	25+
Bulkhead straight jack clamp type				
Square flange female receptacle with solder pot	419-5814			
Square flange male receptacle with solder pot	419-5826			
Bulkhead straight receptacle, front mounting	419-5838			
Bulkhead panel hermetic straight receptacle, rear mounting	419-5840			
Male-male adapter	419-5851			
Female-female adapter	419-5863			
Square flange female-female adapter	419-5875			
Bulkhead hermetic female-female adapter	120-7558			
Female cap with chain	859-1695			
Right angle male-female adapter	120-7559			
Tee male/female-female adapter	419-5905			
Protective male cap with chain	859-1709			
Short circuit male cap with chain	859-1717			

N Series - 75Ω

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R162012000	859-1725	R162017000	859-1733	R162403000	859-1750
					244910

Cable Group	Order Code	1+	10+	25+
Straight plug clamp type				
RG-59, RG-62	859-1725			
RG-11, RG-144, RG-216	859-1733			
Straight jack clamp type				
Square flange female receptacle with solder pot	859-1750			

Plugs, Jacks and Sockets - 50Ω



- Silver plated bodies and contacts
- PTFE insulators

Cable Group	Order Code	Price Each				
		1+	10+	50+	100+	250+
Silver Plated Bodies and Contacts						
Crimp Plug - 50Ω						
RG58	010	116-9605				
Clamp Plug - 50Ω						
UR67	010	116-9606				
RG58	010	116-9595				
Clamp Jack - 50Ω						
UR67	010	116-9607				
Panel Socket - 50Ω						
—	—	116-9596				

Coaxial Connectors

IDC Surface Mount Coaxial Connector 9178 Series



NEW



These are a unique surface mount IDC coaxial connector, which combines two different sized IDC contacts that reliably pierce the center and outer jacket conductors. These are designed specifically for the RG178 cable, yet the concept can be applied to other cable sizes.

- Impedance: 50Ω
- Current rating: 0.5A
- Voltage rating: 125V
- VSWR less than 1.2/1 in excess of 700MHz
- Insulator material: Nylon
- Contact material: Phosphor Bronze
- Contact plating: Tin

Mfrs. List No.	Order Code	Price Each		
		1+	10+	50+
009178001001006	189-1148●			

Coaxial Connectors - continued

DIN 1.0/2.3 Connectors

75Ω

NEW

samtec



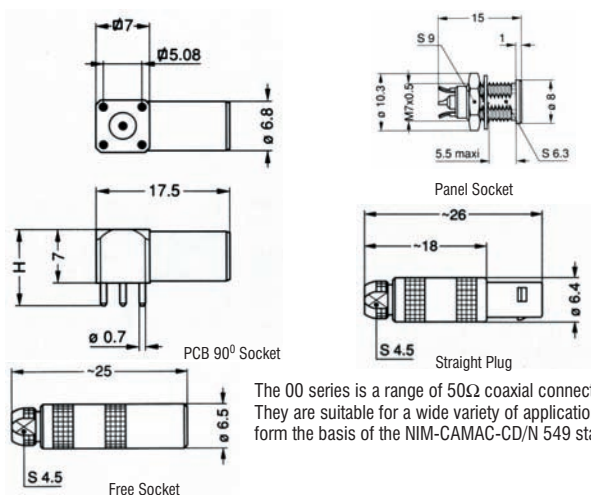
- Working voltage: 250Vrms
- Shell material: Brass
- Contact material: Copper alloy

- Contact plating: Gold
- Impedance: 75Ω

655260

Mounting Type	Mfrs. List No.	Order Code	1+	10+	100+
PCB Mount					
Through Hole Right Angle	DIN7A-J-P-GF-RA-BH1	208-5404	●		
Cable Mounted					
RG-179	DIN7A-PP-C-GF-ST-CA3	208-5405	●		
Belden 1694A / RG6	DIN7A-PP-C-GF-ST-CA6	208-5406	●		
Belden 1855A	DIN7A-PP-C-GF-ST-CA8	208-5407	●		

Lemo 00 Coaxial Connectors



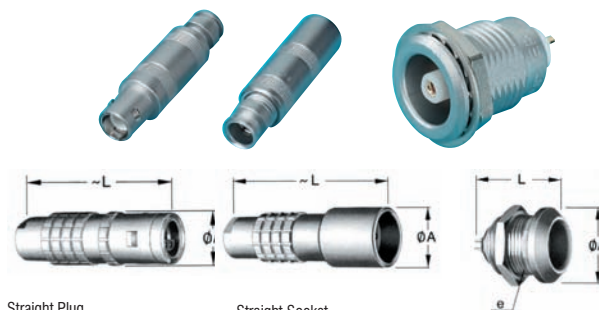
The 00 series is a range of 50Ω coaxial connectors. They are suitable for a wide variety of applications and form the basis of the NIM-CAMAC-CD/N 549 standard.

Impedance	50Ω	Mating Cycles	1000
Operating Voltage	0.7kV rms	Body Mat	Brass (UNS C 38500)
Rated Current	4A	Body Plating	Chrome/Nickel
Contact Resistance	≤5.6mΩ	Insulation Mat	PTFE UL94V0
Insulating Resistance	≥1012 ¹² Ω	Contact Material	Male - Brass gold plated
VSWR (f.in Ghz)	1.09 + 0.11f		Female - Bronze gold plated
Dielectric Strength	19 kV/mm	Temperature Range	-55°C to +260°C
Mfrs. List No.	FFA.00.250.CTAC31Z=197-2802 ERN.00.250.CTL=381-7854 EPL.00.250.NTN=381-7866 ABF.00.250.CTA=381-7878		ABA.00.250.NTL=381-7880 GMD.00.028.DA=381-7891 GMD.00.028.DN=381-7908 GMD.00.028.DR=381-7910

232086

Order Code	1+	5+	10+	50+	100+
Straight Plug With Cable Collet 50Ω					
RG174, RG179, RG188	197-2802	●			
Fixed Socket, Nut Fixing (Panel Mount) 50Ω					
	381-7854	●			
Socket PCB Mount 90° 50Ω					
	381-7866	●			
Adaptor. Lemo Plug-BNC Socket 50Ω					
	381-7878	●			
Adaptor. Lemo Socket-BNC Plug 50Ω					
	381-7880	●			
Strain Relief 2.8-3.1mm					
Blue	381-7891	●			
Black	381-7908	●			
Red	381-7910	●			

Coax Series 1S-1E



Straight Plug
L=42mm
A=13mm

Straight Socket
L=45mm
A=15mm

Fixed Socket
L=26mm
A=20mm
e=M16x1

Specification

Impedance	50Ω	75Ω
Current Rating	12A	10A
VSWR	1.01 + 0.23f	1.02 + 0.08f
Working Voltage	1.0 kV rms	0.8 kV rms
Test Voltage	3.0 kV rms	2.4 kV rms
Dia Signal Contact	1.6mm	1.3mm

Cable Group

1	RG179, RG196
2	RG188, RG316
3	RG174
4	RG122
5	RG179, RG187
6	RG58, RG142, RG302, RG400
7	RG59, RG223

Mfrs. List No.

FFA.1S.250.CTAC52Z=381-7921
FFA.1S.275.CTAC32Z=381-7933
PCA.1S.250.CTLC52Z=381-7945
ERA.1S.250.CTL=381-7969
GMA.1B.025.DN=381-7994
GMA.1B.035.DN=381-7416
GMA.1B.045.DN=381-7428
GMA.1B.054.DN=381-7430

232087

Cable Group	Order Code	1+	5+	10+	50+	100+
Straight Plug 50Ω 4.3-5.1mm Collet						
1,2,3,4	381-7921	●				
Straight Plug 75Ω 2.6-3.1mm Collet						
5,6,7	381-7933	●				
Inline Socket 50Ω 4.3-5.1mm Collet						
1,2,3,4	381-7945	●				
Panel Socket 50Ω						
1,2,3,4	381-7969	●				
Strain Relief						
Black - 2.5-2.9mm	381-7994	●				
Black - 3.5-3.9mm	381-7416	●				
Black - 4.5-5.0mm	381-7428	●				
Black - 5.4-6.0mm	381-7430	●				

Coaxial High Voltage

BNC HT Series



- The connectors of this series are not interchangeable with those of the BNC and SHV series
- 2 pip bayonet coupling

Test voltage :

Unmated connectors :

Male : 6000V DC
Female : 8000V DC
10000V DC

Impedance:

Mated pair :

Frequency range :

50ohm
0-2GHz

VSWR :

1.20 + 0.2 F (GHz) (plug and jack)

Current rating

10A max.

Durability:

500 matings

Operating temperature:

-55°C to +155°C

Contacts and interfaces:

Brass and heat treated beryllium copper/Brass

Other metal parts :

Brass

Plating:

NSR nickel - center contacts, gold/Brass

Insulator :

PTFE or Polyethylene

Gaskets :

Silicone rubber

Mfrs. List No.

Order Code

Mfrs. List No.

Order Code

Mfrs. List No.

Order Code

R316007000

419-6387

R316257000

419-6417

R316553000

419-6430

R316011000

419-6399

R316405000

419-6429

R316754000

419-6442

R316072000

419-6405

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

245068

Cable Group	Order Code	1+	10+	25+	50+
Straight plug clamp type					
	419-6387				
	419-6399				
Straight plug crimp type					
	419-6405				
Square flange jack	419-6429				
Bulkhead jack	419-6430				
Bulkhead panel sealed female-female adapter	419-6442				

SHV series



- This safe high voltage connectors meet all requirement of the NIM Standard (Nuclear Instrumentation Module) Specification ND 545 Amendment A. Both the pin and socket contacts are securely recessed inside the insulation to prevent the danger of electrical shock when live unmated connectors are handled.
- They are particularly recommended for impulse circuits of linear accelerators as well as in military, nuclear and

medical electronics.

- In general, this series should be considered for use where the user is anxious to work under conditions of guaranteed safety.
- The connectors of this series are not intermable with those of the BNC and SHV series
- 2 pip bayonet coupling

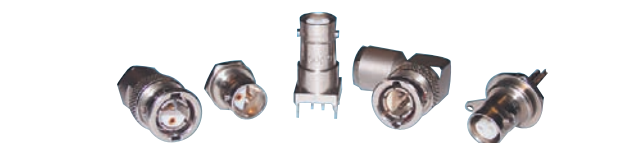
Impedance:	75ohm	Mfrs. List No.	Order Code
Frequency range:	0-2GHz	R317074000	108-4728
VSWR:	<1.20 + 0.3F (GHz) (plug and jack)	R317005000	117-4798
Test voltage:	Unmated connectors :1000V DC	R317072000	117-4799
	Mated pair :1200V DC	R317074000	108-4728
Current rating:	10A max	R317255000	419-6480
Contact resistance :	Center contact : <2.1mΩ	R317580000	419-6491
	Earth contact : <1.5mΩ		
Durability:	500 matings		
Temperature de service:	-65°C to +165°C		
Contacts and interfaces:	Heat treated beryllium copper		
Other metal parts:	Brass		
Plating:	NSR nickel - center contacts, gold		
Insulator:	PTFE or polyethylen		

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

245049

Cable Group	Order Code	1+	10+	25+	50+
Straight plug clamp type					
	117-4798				
Straight plug crimp type					
	117-4799				
	108-4728				
Square flange jack clamp type					
	419-6480				
Bulkhead straight receptacle	419-6491				

BR2 Series



Test voltage (VRMS): 1500V at 50Hz	Operating temperature: -40°C to +100°C
Current rating (max.): 3.5A	Contacts and interfaces: Beryllium copper - Silver plated
Insulation at 500V DC >105Mohm	Other metal parts: Brass - Silver plated
Contact resistance: 1mΩ at 1A	Insulator: Polyamide or diallylphtolate
Capacity at 1MHz: Between pins :<1.3pF	Gaskets: Neoprene
	Between pin and earth :<3.2pF

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R605004000	419-6971	R605006000	419-6995	R605600000	419-7021
R605005000	419-6983	R605550000	419-7010		

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

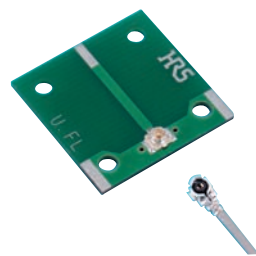
245058

Cable Group	Order Code	1+	10+	25+	50+
Straight plug clamp type					
Armour twin axis dia. 4mm	419-6971				
Armour twin axis dia. 5mm	419-6983				
Armour twin axis dia. 6mm	419-6995				
Bulkhead receptacle	419-7010				
Bulkhead hermetic receptacle	419-7021				

Ultra-Miniature Coaxial

SMT Ultra-Miniature Coaxial Connectors

U.FL Series



- 2.5mm mated height. (receptacle and RA plug)
- 7.7mm² footprint
- High frequency performance DC to 6 Ghz
- Extraction tool for easy removal

Typical applications: Mobile phones, wireless communications equipment, electronic measuring instruments, GPS, wireless LAN, Bluetooth etc.

Specification

Impedance	50Ω
VSWR	1.3 max
Voltage Rating AC	60V AC (rms)
Contact Resistance Outer	10 mΩ max
Contact Resistance Centre	20 mΩ max
Frequency Range	DC - 6GHz
Temperature Range	-40°C to +90°C

Materials

Body	Phosphor Bronze silver plated
Male Contact	Brass gold plated
Female Contact	Phosphor Bronze gold plated
Insulator	Receptacle LCP UL94V-0
Insulator	Plug PBT UL94V-0

233329

Mfrs. List No.	Order Code	1+	25+	50+
Receptacle SMT				
U.FL-R-SMT(01)	390-8021			
Cable Assembly Single End 200mm				
U.FL-LP-068N1-A-(200)	391-0659			
Cable Assembly Double Ended 150mm				
U.FL-2LP-5016-A-(150)	390-8057			
Cable Assembly Double Ended 200mm				
U.FL-2LP-5016-A-(200)	390-8069			
Adaptor U.FL Jack-SMA Plug				
HRMP-U.FLJ(40)	107-7733			
Adaptor U.FL Plug-SMA Jack				
HRMJ-U.FLP(40)	107-7734			
Extraction Tool				
U.FL-LP-N2	168-8076			

RF Cable Assemblies



Specification:-	
Attenuation	1.5dB
VSWR	1.5 max
Frequency Range	45MHz - 6GHz
Impedance	50Ω

- U.FL to SMA cable assemblies
- Cable length from 75mm to 150mm

528735

Cable Length	Mfrs. List No.	Order Code	1+	10+	25+	50+	100+
150mm	CASS-0419-RC	168-8079					
100mm	CASS-0442-RC	168-8081					
75mm	CASS-0627-RC	168-8082					

Ultra Small SMT Coaxial Connectors

U.FL Series (Commodity Version)



Receptacle



Cable Assembly Plug

- 2.5mm mated height
- 7.7mm² footprint
- High frequency performance DC to 6 Ghz
- Plug diameter - 0.81mm / 1.37mm

- Nominal attenuation at 6Ghz - 9.42dB/m (0.81mm Ø) / 4.3dB/m (1.37mm Ø)
- Ultra-fine PTFE Cable
- Extraction tool for easy removal

Typical applications: Mobile phones, Wireless LAN, Mini-PCI, Bluetooth, PDA, GPS, electronic measuring instruments, etc.

Specification:-

Impedance	50Ω
VSWR	1.3 max
Voltage Rating	60V AC (rms)
Contact Resistance Outer	10 mΩ max
Contact Resistance Centre	20 mΩ max
Frequency Range	DC - 6GHz
Temperature Range	-40°C to +90°C

Materials:-

Shell	Phosphor Bronze silver plated
Male Contact	Brass Tin plated
Female Contact	Phosphor Bronze gold plated
Insulator	Receptacle LCP UL94V-0
Insulator	Plug PBT UL94V-0

Ultra Small SMT Coaxial Connectors - continued

U.FL Series (Commodity Version) - continued

Cable		Price Each				
Length	Mftrs. List No.	Order Code	1+	10+	25+	50+ 100+
Cable Assembly Plugs, 0.81mm 						
50mm	U.FL-2LP-04K1T-A-(50)	168-8065				
100mm	U.FL-2LP-04K1T-A-(100)	168-8067				
150mm	U.FL-2LP-04K1T-A-(150)	168-8068				
200mm	U.FL-2LP-04K1T-A-(200)	168-8069				
300mm	U.FL-2LP-04K1T-A-(300)	168-8070				
Cable Assembly Plugs, 1.37mm 						
50mm	U.FL-2LP-088K1T-A-(50)	168-8071				
100mm	U.FL-2LP-088K1T-A-(100)	168-8072				
150mm	U.FL-2LP-088K1T-A-(150)	168-8073				
200mm	U.FL-2LP-088K1T-A-(200)	168-8074				
300mm	U.FL-2LP-088K1T-A-(300)	168-8075				
Receptacle, SMT						
	U.FL-R-SMT-1(10)	168-8077				
Extraction Tool						
	Mftrs. List No.	Order Code	1+	3+		
	U.FL-LP-N2	168-8076				

RF Cable Assemblies

U.FL-LP-088 Terminal to SMA / N Type Bulkhead Jack



- Standard, Reverse Polarity and IP67 cable assemblies available
- Cable lengths from 100 - 300mm
- Cable diameter = 1.37mm

Specifications:-
 Impedance 50Ω
 Max. Working Voltage 60V rms.
 Min. Dielectric Withstanding Voltage 200V rms.
 Min. Insulation Resistance 500MΩ
 Frequency Range DC to 3GHz. (SMA) / DC to 6GHz. (N Type)

536387

		Price Each				
Cable Length	Order Code	1+	10+	25+	50+	100+
Standard U.FI - SMA						
100mm	169-9231					
150mm	169-9242					
200mm	169-9243					
300mm	169-9244					
Reverse Polarity U.FI - SMA						
100mm	169-9245					
150mm	169-9247					
200mm	169-9248					
300mm	169-9249					
IP67 U.FI - SMA						
100mm	169-9254					
150mm	169-9255					
200mm	169-9256					
300mm	169-9257					
IP67, Reverse Polarity U.FI - SMA						
100mm	169-9259					
150mm	169-9261					
200mm	169-9262					
300mm	169-9263					
IP67 U.FL - N Type						
100mm	171-4789					
150mm	171-4791					
200mm	171-4792					

RF Cable Assemblies

U.FL-088 Terminal to FME Bulkhead Plug



- Standard and IP67 cable assemblies available
- Cable lengths from 100 - 300mm
- Cable diameter = 1.37mm

Specifications
 Impedance 50Ω
 Frequency Range DC to 3GHz.
 Max. Working Voltage 500V rms.
 Min. Dielectric Withstanding Voltage 1500V rms.
 Min. Insulation Resistance 500MΩ

536388

		Price Each				
Cable Length	Order Code	1+	10+	25+	50+	100+
Standard U.FI - FME						
100mm	169-9250					
150mm	169-9251					
200mm	169-9252					
300mm	169-9253					
IP67 U.FI - FME						
100mm	169-9264					
150mm	169-9265					
200mm	169-9266					
300mm	169-9267					

RF Cable Assemblies

FAKRA C, D



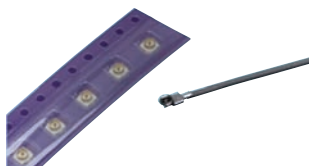
- A range of FAKRA cable assemblies specific to the automotive industry
- FAKRA C - GPS / Navigation
- FAKRA D - GSM / Communication
- Cable lengths from 100 - 200mm
- Cable diameter = 1.37mm

Cable Assembly Type	Impedance	Frequency Range	Max. Working Voltage	Min. Dielectric Withstanding Voltage	Min. Insulation Resistance
FAKRA C - U.FL	50Ω	DC to 1.6GHz	60V rms	200V rms	500MΩ
FAKRA D - U.FL	50Ω	DC to 2.2GHz	60V rms	200V rms	500MΩ
FAKRA C - Tinned End	50Ω	DC to 1.6GHz	60V rms	200V rms	500MΩ
FAKRA D - Tinned End	50Ω	DC to 2.2GHz	60V rms	200V rms	500MΩ

538585

Cable Length		Price Each				
Order Code	1+	10+	25+	50+	100+	
FAKRA C - U.FL						
100mm	171-4775					
150mm	171-4777					
200mm	171-4778					
FAKRA D - U.FL						
100mm	171-4779					
150mm	171-4780					
200mm	171-4781					
FAKRA C - Tinned End						
100mm	171-4782					
150mm	171-4783					
200mm	171-4784					
FAKRA D - Tinned End						
100mm	171-4785					
150mm	171-4786					
200mm	171-4787					

Microcoaxial Connectors 50Ω



- DC to 6GHz
- Very low mated height ≤2.5mm
- "Drop-in" compatible with U.FL connectors
- 30 Mating cycles

Impedance	50ohm	Temperature Range	-40 to +90°C
Frequency Range	6GHz	Material	Phosphor Bronze - Gold plated
Contact Resistance	20mohm	Insulator Material	LCP

462145

Mounting		Mftrs.		Price Each		
Type		List No.	Order Code	1+	10+	50+
Vertical - SMT		73412-0110	SMD134-0200			
Length	Cable Dia.					
65mm	0.8mm	73412-0280	134-0209			
100mm	0.8mm	73412-0286	134-0210			
110mm	1.13mm	73412-0231	134-0204			
240mm	1.13mm	73412-0237	134-0208			
50mm	1.32mm	73412-0508	134-0201			
110mm	1.32mm	73412-0502	134-0203			
162mm	1.32mm	73412-0504	134-0202			

IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items farnell.com

W.FL Ultra Small Surface Mount Coaxial Connectors



- Small mounting area 3.4mm²
- Low receptacle weight 5.6mg
- High frequency: DC to 6GHz
- Cable colour black

Mfrs. List No.	Order Code
W.FL-2LP-04N2-A-(100)	132-5918
W.FL-2LP-04N2-A-(500)	132-5919
W.FL-R-SMT-1(10)	132-5920

Frequency Range	0-6GHz	Plug	Phosphor Bronze, Silver plated
Contact Resistance	20mΩ Centre 10mΩ Outer	Housing Insulator	PBT (Polybutylene terephthalate), UL94V-0
Insulation Resistance	MΩ	Contacts	Phosphor Bronze, Gold plated
Temperature Range	-40°C to 90°C	Receptacle	
Withstand Voltage	200VAC	Housing	Phosphor Bronze, Silver plated
VSWR	≤1.35	Insulator	LCP, UL94V-0
		Contacts	Brass, Gold plated

456101

	Order Code	1+	10+	50+	100+
100mm Double Ended Cable Assembly	132-5918				
500mm Double Ended Cable Assembly	132-5919				
Receptacle	SMD 132-5920				

MS-147 Ultra-Small Coaxial Switch



- High frequency: DC to 6GHz
- Low insertion loss ≤0.15dB
- Small size 5.8mm x 5.4mm
- Low profile 3.9mm high
- Light weight 0.11g
- Long Life
- Switch structure prevents flux float-off

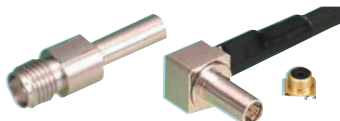
Frequency Range	0-6GHz	Withstand Voltage	100VAC
Contact Resistance	75mΩ Centre 50mΩ Outer	VSWR	≤1.9
Insulation Resistance	MΩ	Housing	Phosphor Bronze, Gold plated
Temperature Range	-10°C to +65°C	Insulator	Polyamide Resin, UL94-HB
Mating Cycles	12000	Contacts	Beryllium Copper, Gold plated

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
MS-147(01)	132-5921	MS-147-HRMJ-1	132-5922	MS-147-C(LP)-1	132-5923

456134

	Order Code	1+	10+	50+	100+
Coax Switch Receptacle	SMD 132-5921				
MS-147 to SMA Adaptor	132-5922				
Coax Switch Plug	132-5923				

MS-162 Miniature Interface Coaxial Switch



- High frequency: DC to 10GHz
- Low insertion loss ≤0.15dB @ 2GHz
- Small size 3.5mm x 3.1mm
- Low profile 2.5mm high
- Light weight 0.044g
- Long Life
- Receptacle has nickel plating areas to prevent solder wicking into critical areas.

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
MS-162A(01)	171-9120	MS-162-C(LP)-1	132-5932	MS-162-HRMJ-1	132-5933

Frequency Range	0-10GHz	VSWR	≤1.7
Contact Resistance	100mΩ	Housing	Brass, plated
Insulation Resistance	MΩ	Insulator	Polyamide
Temperature Range	-40°C to 85°C	Contacts (Common Terminal)	Beryllium Copper, plated
Mating Cycles	12000	Contacts (Antenna Terminal)	Phosphor Bronze, plated
Withstand Voltage	100VAC		

456164

	Order Code	1+	10+	50+	100+
Coax Switch Receptacle	SMD 171-9120				
Right Angle Plug	132-5932				
MS-162 to SMA Adaptor	132-5933				

N.FL Low Profile, Small Mounting Space Coaxial Connectors



- High frequency: DC to 6GHz
- Small size 3.1mm x 3.0mm
- Low profile 1.4mm high
- Extra fine 0.81mm diameter cable
- VSWR ≤1.3

Mfrs. List No.	Order Code
N.FL-2LP-04N1-A-(100)	132-5937
N.FL-R-SMT-1(01)	132-5938

456184

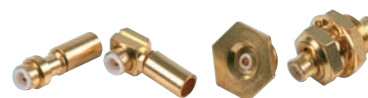
	Order Code	1+	10+	50+	100+
100mm Cable Assembly	132-5937				
Receptacle	132-5938				

Microminiature Coaxial Connectors



MMBX Series

50Ω Snap-Fit Plugs, Jacks and Adaptors



- Designed for board to board applications where space is limited
- Floating PCB jacks and plugs compensate for any slight radial board misalignments
- Snap on coupling ensures a fast reliable connection
- Operates at frequencies up to 12.4GHz*

Impedance	50Ω	Temp Range	-55°C to +155°C
Frequency Range	0 to 12.4GHz*	*RG178 Cable Specified Up To 5GHz Only	

	Cable Connectors	Adaptors/PCB connectors
Body	Brass, Sucropro Plated	Brass, Sucropro Plated
Center Contact	Beryllium Copper, Gold Plated	Beryllium-Copper, Gold Plated
Outer Contact	Beryllium Copper, Sucropro Plated	C97, Sucropro Plated
Insulator		LCP / PTFE / PFA
Mating Cycles	100	100

385624/406773

		Order Code	1+	10+	25+
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Right Angled Cable Plugs					
RG178	16MMBX-50-1-1/111NE	855-8329			
RG316	16MMBX-50-2-1/111NE	855-8337			

PCB Mount Plugs					
	81MMBX-50-0-2/111NE	855-8396			

PCB Mount Jacks					
	82MMBX-50-0-2/111NE	855-8400			

MMBX Plug to MMBX Plug Adaptors (6.7mm long)					
	32MMBX-50-0-1/111NE	855-8361			

MMBX Plug to MMBX Plug Adaptors (10mm long)					
	32MMBX-50-0-4/111NE	855-8370			

SSMB Plugs, Jacks and Adaptors



50Ω



SSMB connectors are microminiature devices that provide repeatable electrical performance from DC up to 4 GHz. They are a smaller version of the standard SMB connector, providing a means of quick-connect and disconnect through a snap-on type coupling.

Impedance	50Ω	Contact Res - Outer	1mΩ
Frequency Range	0 to 4GHz Semi Rigid	Ins Resistance	1000MΩ
Contact Res - Centre	4mΩ	Temp Range	-65°C to +165°C

467820

Plugs

	Cable	Order Code	1+	10+	50+
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Straight Plugs					
Clamp	RG405	134-2641			

RA Plugs					
Direct Solder	RG405	134-2644			

Jacks

	Cable	Order Code	1+	10+	50+
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Straight PCB Mount Jack					
PCB		134-2645			

R/A PCB Mount Jack					
PCB		134-2646			

Straight Bulkhead					
		134-2647			

Adaptors

	Order Code	1+	10+	50+
SMA Jack - SSMB Plug	134-2650			

Microminiature Coaxial Connectors - continued

SMP Plugs & Jacks

50Ω



- Subminiature design
- Space saving vertical mating
- Push-on or snap coupling
- Excellent choice for board-to-board applications
- Frequency range DC to 40 GHz
- Suitable for a wide range of applications from wireless to military

molex

NEW

Applications: Medical, Military/Aerospace, Networking and Telecommunications.

Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Order Code
Right Angle Jack				
73415-3580	Cable	Solder	SR047	190-9333
73415-3030	Cable	Solder	RG-405	190-9334
73415-5120	Cable	—	SR047	190-9335
73415-5030	Cable	Crimp	RG-174, RG-188, RG-316	190-9336
Straight Jack				
73415-3740	Cable	Solder	RG-405	190-9337
Straight Plug				
73415-3591	Edge	—	—	190-9338
73415-3310	Surface Mount	—	—	190-9339
73415-3322	PCB	Surface Mount Vertical	—	190-9340
73415-6180	Through Hole	—	—	190-9341
Straight Jack to Jack Adapter				
73415-3020	—	—	—	190-9331

657802

Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
Right Angle Jack						
73415-3580	190-9333					
73415-3030	190-9334					
73415-5120	190-9335					
73415-5030	190-9336					
Straight Jack						
73415-3740	190-9337					
Straight Plug						
73415-3591	190-9338					
73415-3310	190-9339					
73415-3322	190-9340					
73415-6180	190-9341					
Straight Jack to Jack Adapter						
73415-3020	190-9331					

SMP Coaxial Connectors 50Ω



- PC board to board interconnects
 - Snap fit mating
 - Small package size
 - High frequency: 0-40 GHz
- Impedance 50ohm
Frequency Range 0 -40GHz
Contact Resistance
Material Brass - Gold plated
Insulator Material LCP

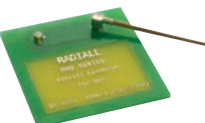
molex

462082

Cable Type	Tab Length	Mfrs. List No.	Order Code	1+	10+	50+
PCB Edgemount Plug						
Limited Detent	1.27mm	73415-3593	134-0193			
Limited Detent	2.29mm	73415-3592	134-0194			
Jacks - Right Angle Cable mount						
SR086		73415-3032	134-0187			
RG316		73415-5032	134-0192			
Adaptors - Jack/Jack						
	23.8mm	73415-3032	134-0187			

MMS Series

Microminiature Connectors



- Low profile microminiature coaxial connectors
- Coupled height: 5.2mm
- Surface-mounting socket
- Fully compatible with "pick and place" automatic installation machines
- Snap-on type coupling
- High RF performance
- 360° cable rotation

RADIAL

Mfrs. List No.
R209357000
R209408012

Order Code
111-7057
111-7058

Mfrs. List No.
R285001021

Order Code
111-7056

Impedance: 50Ω
Operating frequency: 0-6GHz
SWR: 1.05 max. at 1GHz, 1.15 max. at 2.5GHz, 1.35 max. at 6GHz
Operating voltage (RMSV): 50V
Insertion loss: 0.2dB at 2GHz
RF leakage: -50dB at 500MHz, -45dB at 1GHz, -40dB at 2GHz
Insulation resistance: 500MΩ min.
Endurance: 50 cycles
Operating temperature: -40 to +90°C
Body: Plug: Zinc/Nickel-plated brass
Socket: Gold-plated phosphor bronze
Plug: Nickel-plated brass
Socket: Gold-plated beryllium copper
PTFE

Central Contact:

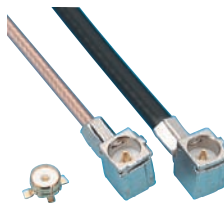
Insulation:

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

424808

Cable Group	Cable Type	Order Code	1+	10+	25+	50+
Angled Plug for Crimping						
2.6/75S	RG 174 A/U	111-7057				
Pigtail: Angled Plug for Crimping + 200cm brown RG178 cable						
	RG 178 B/U	111-7056				
SMT Socket		111-7058				

MMT Series (50Ω)



- Low profile coaxial connectors
- Surface Mount Receptacle (SMT)
- Fully Compatible with automated pick and place machines
- Snap-On mating
- 360° cable rotation
- Reverse mating

RADIAL

Electrical Characteristics

Impedance 50Ω
Frequency Range DC - 8GHz
Insulation Resistance MΩ
Working Voltage 170V
Mechanical Characteristics
Mating Cycles 500Min

Operating Temperature Range

Materials
Plug Bodies Receptacle Bodies
Plating
Plug Bodies Receptacle Bodies

-55°C to +100°C

Zinc, die cast
CuSn9p

Nickel
Gold

209582

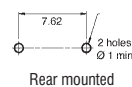
Pigtails (200mm)	Order Code	1+	25+	50+	100+	300+	500+
RG-174	304-4130						
RG-178	304-4142						
SMT Receptacles	304-4154						

Subminiature Coaxial

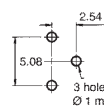
Coaxial Terminators



- A low cost, simple solution to the problem of permanent cable termination to pcbs
- The two piece, electro-tinned terminators are crimped on to the cable
- Provide a reliable, secure connection
- Supplied in packs of 10 (i.e. 20 piece parts).



Rear mounted



Double leg
PCB drilling patterns



Rear mounted

Mfrs. List No. 055-939-9029FCD = 121-5643

055-939-9049FCD = 121-5645

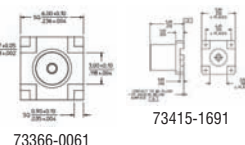
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10 Per Pack	Order Code	1+	5+	10+
Single leg	121-5643			
Double leg, elbow	121-5645			

MCX / MMCX Series

MCX Jacks and Plugs

Jacks



73366-0061

73415-1691

- Orientation - straight or right angle
- Brass body with beryllium copper contacts with a gold plated finish
- Teflon insulation

molex

NEW

Mfrs. List No.	Orientation	Termination Method	Impedance	Connector Mount Type	Order Code
73415-1104	Right Angle Jack	Surface Mount	50Ω	PCB	190-9243
73366-6330	Straight Jack	Surface Mount	50Ω	Edge	190-9244
73366-0061	Straight Jack	Surface Mount	50Ω	PCB	190-9245
73415-1691	Straight Jack	Surface Mount	50Ω	PCB	190-9246
73366-0060	Straight Jack	Through Hole	50Ω	PCB	190-9247
73415-1042	Straight Jack	Through Hole	50Ω	PCB	190-9248
73415-1630	Straight Jack	Surface Mount	75Ω	PCB	190-9252
73415-1631	Straight Jack	Surface Mount	75Ω	PCB	190-9254

Mfrs. List No.	Order Code	1+	10+	50+
50Ω				
73415-1104	190-9243			
73366-6330	190-9244			
73366-0061	190-9245			
73415-1691	190-9246			
73366-0060	190-9247			
73415-1042	190-9248			
75Ω				
73415-1630	190-9252			
73415-1631	190-9254			

Plugs



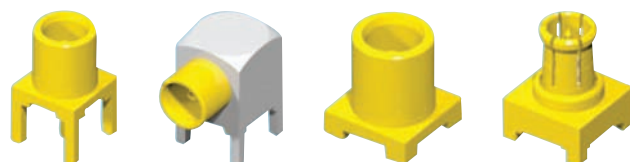
- Orientation : Right Angled and Straight
- Crimp termination
- Beryllium Copper Body and Brass Ferrules

Mfrs. List No.	Orientation	Impedance	Cable Type	Body Plating	Outer Contact Plating	Ferrule Plating	Order Code
73366-0013	Right Angle Plug	50Ω	RG316	Nickel	Nickel	Gold	190-9249
73366-0022	Straight Plug	50Ω	RG316	Nickel	Gold	Nickel	190-9250
73366-0026	Straight Plug	50Ω	RG316	Gold	Gold	Gold	190-9251
73415-4490	Straight Plug	75Ω	RG179	Gold	Gold	Gold	190-9255

Mfrs. List No.	Order Code	1+	10+	50+
50Ω				
73366-0013	190-9249			
73366-0022	190-9250			
73366-0026	190-9251			
75Ω				
73415-4490	190-9255			

MCX Jacks and Plugs - 75Ω

MCX7 Series



- Orientation - Straight or Right Angle
- Termination - Through Hole or Surface Mount
- PCB Mounting
- Frequency Range - 0-6 GHz

Specifications:-

Impedance	75ohm	Contact Resistance	5mohm
Contact Material	Beryllium Copper	Contact Plating	Gold
Insulator Material	PTFE	Insulation Resistance	
Shell Material	Nickel Plated Brass	Working Voltage	170Vrms max.
Withstanding Voltage	1500Vrms min.	Cable Type	

Mfrs. List No.	Order Code	1+	10+	25+	50+	100+
Straight Jack, Through Hole						
MCX7-J-P-H-ST-TH1	175-3815					
Right Angle Jack, Through Hole						
MCX7-J-P-H-RA-TH1	175-3816					
Straight Jack, Surface Mount						
MCX7-J-P-H-ST-SM1	175-3817					
Straight Plug, Surface Mount						
MCX7-P-P-H-ST-SM1	175-3818					

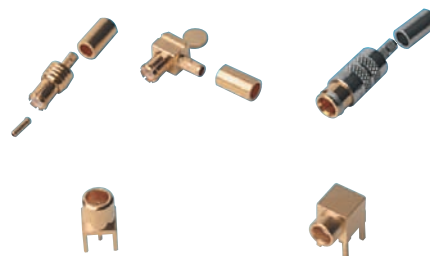


TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at [farnell.com](https://www.farnell.com)

MCX Plugs and Jacks

50Ω and 75Ω



- MCX snap on connectors offer an excellent blend of size, weight, durability and performance
- Designed for frequencies up to 6 GHz
- Tested according to CECC 22220
- Typical applications include mobile and fixed telecommunications, GPS, test and measurement

Impedance	50Ω	75Ω
DWV	≥750V rms 50 Hz	≥500V rms 50 Hz
Contact Res - Centre	≤5.0mΩ	5.0mΩ
Contact Res - Outer	≤1.0mΩ	2.5mΩ
Ins Resistance	≥100000MΩ min	10000MΩ min
Temp Range	-55°C to +155°C	-65°C to +165°C
Working Voltage	≥170V rms 50 Hz	≤170V rms 50 Hz
Frequency Range	0 to 6.0 GHz	0 to 6.0GHz
Ins Resistance	100000MΩ min	10000MΩ min
Mating Cycles	≥500	≥500
Bodies	BrassGold plated	BrassGold plated
Contacts	Beryllium CopperGold plated	Beryllium CopperGold plated
Insulator	PTFE/PFA	PTFE/PFA

240660

Mfrs. List No.	Order Code	1+	10+	50+
Plugs - RG178 - 50Ω				
Straight	11 MCX-50-1-13/111NH	416-3308		
Jacks - RG178 - 50Ω				
RA	16 MCX-50-1-7/111NH	416-3310		
Plugs - RG174 - 50Ω				
Straight	11 MCX-50-2-16/111NH	416-3333		
RA	16 MCX-50-2-14/111NH	416-3345		
Jacks - RG174 - 50Ω				
Straight	21 MCX-50-2-13/111NH	416-3357		
Plugs - RG179 - 75Ω				
Straight	11 MCX-75-2-1/113NE	416-3369		
RA	16 MCX-75-2-5/133NH	416-3370		
Plugs - RG405 (Semi-Rigid Cable) - 50Ω				
Straight	11MCX-50-2-19/111NE	855-8221		
RA	16MCX-50-2-104/111NH	855-8230		
Bulkhead Jacks - RG405 (Semi-Rigid Cable) - 50Ω				
Straight	24MCX-50-2-3/111NE	855-8264		
Bulkhead Solder Jacks - 50Ω				
Straight	22MCX-50-0-2/111NH	855-8248		
PCB Mount Solder Jacks - 50Ω				
Straight	82 MCX-50-0-17/111NH	416-3394		
RA	85 MCX-50-0-16/111NH	416-3400		
PCB Mount Solder Jacks - 75Ω				
Straight	82 MCX-75-0-5/111 NH	416-3412		
RA	85 MCX-75-0-1 / 111 NE	416-3424		
Surface Mount Solder Edge Jacks - 50Ω				
Straight	82MCX-S50-0-22/111NE	855-8280		

MCX Plugs and Jacks

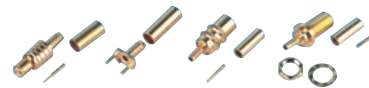
50Ω



- Lightweight micro miniature connectors operating between DC to 6 GHz
- Snap-on coupling to offer ease of assembly
- 30% space reduction over similar SMB/SMC connector types
- Optimised engagement and disengagement force ensure ease of mating and prevent damage to PCB solder connections

Impedance	50Ω	Contact Resistance - Outer	1mΩ Max
Frequency Range	60 - GHz	Insulation Resistance	1000 MΩ Min
VSWR - Straight	1.22 : 1	Center Contact Plating	Gold
VSWR - RA	1.15 : 1	Body	Beryllium Copper Gold plated
Contact Resistance - Center	5mΩ Max		

50Ω



- MCX Connectors offer a 30 per cent reduction in space over similar MB/SMC types
- Designed for frequencies up to 6 GHz
- Typical applications include, GPS, Antenna, Automotive, Instrumentation, and Telecom
- Push / Pull snap on coupling
- Ideal for use where size, weight, performance and ease of assembly are the driving considerations

Impedance	50Ω	Frequency Range	0 to 6.0 GHz
Contact Resistance	1.0mohm	Material	Brass
Insulation Resistance	1000Mohm	Contact plating	Gold

311875/406782

Order Code	1+	10+	50+
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Applicable Cable - RG174, 188A, 31

Straight Plug. Crimp	116-9675
Straight Jack Crimp	116-9677
Right Angle Plug. Crimp	116-9678
Straight Bulkhead Jack. Crimp	116-9680

Applicable Cable - 178, 196

Right Angle Plug Crimp	116-9679
Straight Bulkhead Jack. Crimp	116-9681

Surface Mount Receptacle

Straight Jack	116-9682
Right Angle Jack	116-9684

Between Series

Straight SMA Jack to MCX Jack	116-9685
Straight SMA Jack to MCX Plug	116-9686

MMCX/MCX Switch Connector

**NEW**

- Surface mount and edge card
- Impedance: 50Ω
- Body material: Brass
- Contact plating: Gold

619968

Connector Type	Order Code	1+	10+	25+	50+
Surface Mount					
MMCX Coaxial	181-4381				
MCX Coaxial	181-4383				
Edge-Card					
MMCX Coaxial Large	181-4384				
MMCX Coaxial Small	181-4385				
MCX Coaxial	181-4386				

MMCX Plugs and Jacks

50Ω

molex**NEW**

- Body material: Brass
- Body plating: Gold
- Contact material: Beryllium copper
- Contact plating: Gold



651882

Mounting	Mfrs. List No.	Order Code	1+	10+	50+	100+
Jacks - Right Angle - PCB Mount						
Edge Mount	73415-0961	190-9263				
Through Hole	73415-1002	190-9264				
Jacks - Right Angle - Cable Mount						
RG178	73415-2361	190-9266				
Jacks - Straight - PCB Mount						
Surface Mount	73415-2061	190-9267				
Through Hole	73415-1471	190-9268				
Jacks - Straight - Cable Mount						
1.3mm	73415-3410	190-9269				
RG178	73415-3210	190-9270				

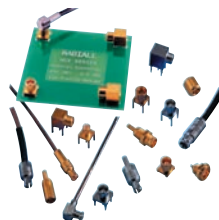
MCX Plugs and Jacks - continued

50Ω - continued

373337

Cable	Mfrs. List No.	Order Code	1+	25+	50+	100+
Straight Plug - Crimp						
	1-1337580-0	810-4573				
RA Plug - Crimp						
	1-1337584-0	120-6024				
	1-1337585-0	120-6026				
PCB Mount Sockets - Through Hole						
Straight	1-1337581-0	120-6021				
RA	1-1337586-0	120-6027				
PCB Mount Sockets - Surface Mount						
Straight	1-1337582-0	810-4590				
RA	1-1337583-0	120-6022				

MCX Series - 50 and 75Ω



- Subminiature coaxial connectors
- "Push-pull" snap-on mating
- The MCX series is 30% smaller than the SMB
- Complies with specification CECC 22220

Applications : Wireless communications, civil and military radio-telecommunication equipment

Impedance:	50 / 75ohm
Frequency range:	0-6.0GHz
Typical VSWR:	Straight models: 1.35 max. at 3GHz Right angle models: 1.63 max. at 3GHz
Insulation resistance:	1000Mohm
Durability:	500 matings
Operating temperature:	-55°C to +155°C
Body:	Brass - Gold plated or BBR
Center contact:	Male :Brass - Gold plated Female : Beryllium copper - Gold plated
Insulator:	PTFE

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
50Ω			
R113082000	886-828	R113664000	419-4410
R113181000	419-4354	R113665000	419-4421
R113182000	886-830		304-4180
R113240000	887-134	R213182007	304-4178
R113424000	419-4378	R213238007	304-4191
R113426000	886-853	R213426000	304-4208
R113553000	886-841	R213665000	304-4210

244788

Cable Group	Order Code	1+	25+	50+	100+
50Ω					
Straight plug full crimp type					
2.6/50 S	886-828				
Right angle plug crimp type					
	419-4354				
2.6/50 S	886-830				
Straight jack crimp type					
2.6/50 S	887-134				
Straight bulkhead jack crimp type					
Straight female panel receptacle	886-841				
Straight female PCB receptacle	886-853				
Right angle female PCB receptacle	419-4421				
Straight female PCB receptacle	SMD 419-4378				
Right angle PCB receptacle	SMD 419-4410				

75Ω

Straight plug crimp type					
2.6/75 S	304-4180				
Right angle plug crimp type					
2.6/75 S	304-4178				
Straight jack crimp type					
2.6/75 S	304-4191				
Straight female PCB receptacle	304-4208				
Right angle female PCB receptacle	304-4210				

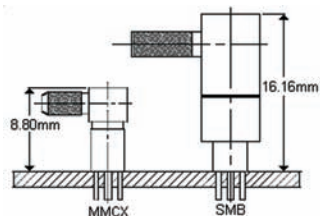
FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

Mfrs.		Price Each			
Mounting	List No.	Order Code	1+	10+	50+ 100+
Plugs - Right Angle - Cable Mount					
1.13mm	73415-2261	190-9271			
RG316DS	73415-2141	190-9272			
RG316	73415-1121	190-9273			
RG178	73415-0951	190-9274			
RG405	73415-2161	190-9275			
SR047	73415-2152	190-9276			
Plugs - Straight - PCB Mount					
Edge Mount	73415-0991	190-9278			
Through Hole	73415-2121	190-9279			
Plugs - Straight - Cable Mount					
1.13mm	73415-2251	190-9280			
RG316DS	73415-2131	190-9281			
RG316	73415-1251	190-9282			
RG178	73415-0971	190-9283			
SR047	73415-2111	190-9284			
RG405	73415-2101	190-9285			

MMCX Connectors

MMCX connectors are designed for frequency ranges from DC up to 6 GHz and for applications where smallest dimensions have to be achieved. The "snap-on" coupling mechanism ensures that the electrical parameters are consistently reproduced.

- 35% space saving compared to MCX connectors and 50% space saving compared to SMB connectors
- Ideal for applications in the emerging GPS, PCS, automotive and wireless communications markets



405751

MMCX Coaxial Connectors 50Ω

Amphenol



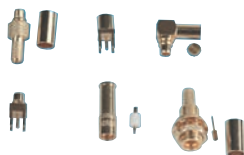
- Coaxial Connectors with an impedance of 50Ω up to 6 GHz

Impedance	50Ω	Insulation Resistance	1000MΩ/1000Mohm
Frequency Range	0 - 6GHz	Body	Brass - plated
VSWR	Straight: 1.3 max Right Angle: 1.5 max	Contacts	Pin: Brass - Gold plated Socket: Beryllium Copper - Gold plated
Contact Resistance	5mΩ Centre 2.5mΩ Outer	Insulation	PTFE

230281

Mfrs.		Cable Tool		Price Each			
List No.	Group No.	Order Code	1+	10+	50+	100+	
Straight Cable Plug							
MMCX1121A1-3GT30G-5-50	5	1	111-1325				
Right Angle Cable Plug							
MMCX1112A1-3GT30G-14-50	14	1	111-1328				
Straight PCB receptacle							
MMCX6251N1-3GT30G-50	—	—	111-1329				
Right Angle PCB Receptacle							
MMCX6252N1-3GT30G-50	—	—	111-1330				

MMCX Series - 50Ω



- Low RF Leakage
- Snap-on coupling

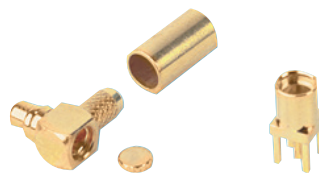
Impedance	50Ω	Body	Beryllium Copper Gold plated
Frequency Range	6 GHz0 -	Centre Contact	Beryllium Copper Gold plated
VSWR - Straight	1.3 : 1	Dielectric	PTFE
VSWR - RA	1.3 : 1		

247678

Mfrs.		Price Each			
Type	Order Code	1+	100+	500+	
Semi Rigid Cable - Direct Solder					
RG 405 RA Plug	116-9662				
Flexible Cable - Crimp					
RG174 Straight Plug	116-9663				
RG178 Straight Plug	116-9664				
RG174 Straight Jack	116-9665				
RG178 Straight Jack	116-9666				
RG174 RA Plug	116-9667				
RG178 RA Plug	116-9668				
RG178 Str BHead Jack	116-9670				
PCB Mounted Plug and Jacks					
Str PCB Mount Plug	116-9672				
Str PCB Mount Jack	116-9673				
RA PCB Mount Jack	116-9674				

MMCX Plugs and Jacks

50Ω



- Micro Miniature connectors for cable and PCB applications
- Ultra low profile space saving design
- Snap on coupling for fast connect disconnect

Impedance	50Ω	Insulation Resistance	1000 MΩ Min
Frequency Range	6 GHz0 -	Body	BrassGold plated
VSWR - Straight	1.10 : 1	Centre Contact Male	BrassGold plated
VSWR - RA	1.15 : 1	Centre Contact Female	Gold Beryllium Copper plated
Contact Resistance - Centre	15mΩ Max	Dielectric	PTFE
Contact Resistance - Outer	7.5mΩ Max		

239265

Mfrs.		Price Each			
Cable	List No.	Order Code	1+	10+	50+ 100+ 500+
RA Plug - Crimp					
	1-1634002-0	105-6316			
PCB Mount Sockets					
Straight	1-1634009-0	105-6318			

SSMCX Series

SSMCX Plugs & Jacks

50Ω



NEW



- Frequency range DC to 6 GHz
- High-density connector
- Minimize PCB space
- Low-loss cable version
- Provides higher signal strength
- Mechanical latch
- Metal PCB board-lock posts

Applications: Consumer, Data/Communications, Industrial Automation, Medical, Military/Aerospace, Networking, Smart Phones and Mobile Devices, Telecommunications and Transportation.

Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Order Code
Straight Jack				
73413-0040	Surface Mount	—	—	190-9342
73413-0052	Through Hole	—	—	190-9343
73415-4760	Cable	Solder	1.3mm	190-9345
73415-4670	Edge	—	—	190-9346
Right Angle Plug				
73413-0062	Cable	Crimp	1.32mm	190-9347
Straight Plug				
73415-4680	Cable	Solder	1.37mm	190-9348

657808

Mfrs.		Price Each			
List No.	Order Code	1+	10+	50+	100+ 250+
Straight Jack					
73413-0040	190-9342				
73413-0052	190-9343				
73415-4760	190-9345				
73415-4670	190-9346				
Right Angle Plug					
73413-0062	190-9347				
Straight Plug					
73415-4680	190-9348				

FME Series

FME Connectors

50Ω

- Fully intermateable with IEC mating face requirements, CEES and US MIL-C specifications
- Terminates to RG58 and RG174 cables
- Adaptors enable interconnection with BNC and SMA connectors
- Suited to wireless telecommunication and Wide Local Area Network applications

Impedance	50Ω	Body	Brass - Nickel Plated
Frequency Range	2.00 - GHz	Contact	Brass - Gold Plated
VSWR	1.30 : 1		

373582

Mfrs. List No.	Order Code	1+	25+	50+	100+
Straight Plug, Crimp					
1-1337550-0	120-6014				
Straight Jacks, Crimp					
1-1337551-0	120-6015				
1-1337552-0	120-6016				
Adaptor, FME Plug to FME Plug					
1-1337553-0	120-6017				
Adaptor, FME Plug to SMA Plug					
1-1337558-0	120-6019				

PET 100 Series

Free Plug and Bulkhead Sockets 50Ω



Working voltage	3kV ac or dc peak	Current rating	2.5A
Frequency range	dc to 1500MHz	Insulation resistance	>MΩ
Mfrs. List No.	101UR70 = 121-4314	122UR70 = 121-4315	142BNP = 121-4316

219819

Order Code	1+	10+	25+	50+	100+	250+
Free Plug						
121-4314						
Bulkhead Socket						
Cable Entry	121-4315					
Solder Tail	121-4316					

SMA Series - Screw Coupling

SMA RF Jack and Plugs

KOAXXA Series

NEW



Insulation Resistance
Withstanding Voltage
Impedance
Mating Torque
Durability

15mΩ
5000MΩ
50Ω
0.45Nm
500 cycles

Character Code	Terminates To	Character Code	Terminates To
1A	RG402 Semi Rigid, RG402 Conformable	1E	0.047 Semi Rigid, 0.047 Conformable
1B	RD316 (Double Braid), K0225D	1F	RG174, RG188, RG316
1C	RG405 Semi Rigid, RG405 Conformable	1G	RG58, RG141, RG223, RG400, RG142
1D	RG178, RG196	P1	PCB Through Hole

657742

Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
Bulidhead Cable Jack						
SMA-JB-1A-S	207-6169					
SMA-JB-1B-S	207-6170					
SMA-JB-1C-S	207-6171					
SMA-JB-1D-S	207-6173					
SMA-JB-1E-S	207-6174					
SMA-JB-1F-S	207-6175					
SMA-JB-1G-S	207-6176					
Straight Cable Jack						
SMA-JS-1A-S	207-6178					
SMA-JS-1B-S	207-6179					
SMA-JS-1C-S	207-6180					
SMA-JS-1D-S	207-6181					

Mfrs.

Price Each

List No.	Order Code	1+	10+	50+	100+	250+
Straight Cable Jack						
SMA-JS-1E-S	207-6182					
SMA-JS-1F-S	207-6183					
SMA-JS-1G-S	207-6185					
Right Angle Cable Plug						
SMA-PR-1A-S	207-6187					
SMA-PR-1B-S	207-6188					
SMA-PR-1C-S	207-6189					
SMA-PR-1D-S	207-6190					
SMA-PR-1E-S	207-6191					
SMA-PR-1F-S	207-6192					
SMA-PR-1G-S	207-6193					
Straight Cable Plug						
SMA-PS-1A-S	207-6194					
SMA-PS-1B-S	207-6195					
SMA-PS-1C-S	207-6197					
SMA-PS-1D-S	207-6198					
SMA-PS-1E-S	207-6199					
SMA-PS-1F-S	207-6200					
SMA-PS-1G-S	207-6201					
Vertical/Straight Board Mount Jack						
SMA-JS-P1-S	207-6186					
Right Angle Board Mount Jack						
SMA-JR-P1-S	207-6177					

SMA Connectors

Non Magnetic

NEW



- Operating temperature : -65°C to 165°C
- Contact plating: Gold
- Impedance : 50Ω

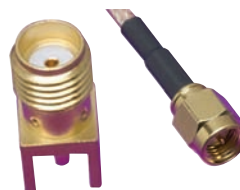
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Description	Frequency Range	Order Code	1+	10+	25+	50+
Straight Jack	18GHz	181-4376				
Straight Receptacle	6GHz	181-4377				
Straight Plug Crimp	3GHz	181-4378				
Right Angle Crimp Plug	3GHz	181-4379				
Straight Bulkhead Jack	3GHz	181-4380				

SMA Plugs & Jacks

SMA Series

molex



- Subminiature design
- Space saving vertical mating
- Threaded coupling
- Ensures connector will not decouple in vibration intensive applications
- Ideal for wireless and GPS applications
- Non-magnetic versions available
- Suitable for medical applications

NEW

Applications: Data/Communications, Industrial Automation, Medical, Military/Aerospace and Telecommunications.

Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Contact Plating	Bulkhead	Order Code
Right Angle Jack						
73251-1150	Edge	—	—	Gold	x	190-9295
73251-3130	Through Hole	—	—	Gold	x	190-9296
73251-3131	Through Hole	—	—	Nickel	x	190-9297
73251-2201	Through Hole	—	—	Gold	x	190-9298
Straight Jack						
73251-1352	Surface Mount	—	—	Gold	x	190-9299
73251-3140	Through Hole	—	—	Gold	x	190-9300
73391-0070	Through Hole	—	—	Gold	x	190-9301
73251-0240	Cable	Solder	—	Gold	✓	190-9302
73251-2120	Edge	—	—	Gold	✓	190-9303
73251-1852	Surface Mount	—	—	Gold	x	190-9304
73251-0930	Cable	Crimp	RG-174A, RG-188A, RG-316	Gold	✓	190-9306
73251-0830	Cable	Solder	RG-402	Gold	✓	190-9308
73251-0620	Through Hole	Solder	—	—	x	190-9314
Right Angle Plug						
73251-0211	Cable	Crimp	RG-174, RG-188, RG-316	Gold	x	190-9311
73391-0230	Cable	Crimp	RG-316	Gold	x	190-9312
Straight Plug						
73251-0450	Cable	Crimp	RG-174A, RG-188A, RG-316	Gold	x	190-9313
73251-0111	Cable	Crimp	RG-55, RG-142, RG-223, RG-400	Gold	x	190-9315
73251-3040	Cable	Solder	RG-405	Gold	x	190-9316

Mfrs.	Cable	Wire/Cable	Contact			
Straight Flange Jack						
73391-0361	Cable	Solder	RG-402	×	190-9309	
73391-0040	Cable	—	0.79mm max.	×	190-9310	
Straight Jack to Jack Adapter						
73251-0360	—	—	—	✓	190-9305	
657778						
Mfrs.	Order Code	1+	10+	50+	100+	250+
Right Angle Jack						
73251-1150	190-9295					
73251-3130	190-9296					
73251-3131	190-9297					
73251-2201	190-9298					
Straight Jack						
73251-1352	190-9299					
73251-3140	190-9300					
73391-0070	190-9301					
73251-0240	190-9302					
73251-2120	190-9303					
73251-1852	190-9304					
73251-0930	190-9306					
73251-0830	190-9308					
73251-0620	190-9314					
Right Angle Plug						
73251-0211	190-9311					
73391-0230	190-9312					
Straight Plug						
73251-0450	190-9313					
73251-0111	190-9315					
73251-3040	190-9316					
Straight Flange Jack						
73391-0361	190-9309					
73391-0040	190-9310					
Straight Jack to Jack Adapter						
73251-0360	190-9305					

SMA PCB Socket



Impedance	50Ω
Frequency Range	0-3GHz
Centre Contact Resistance	3mohm
Outer Contact Resistance	2mohm
Insulation Resistance	5000Mohm
Mating Cycles	50
Body	Zinc Alloy Alloy
Contacts	Beryllium Copper / Gold plated
Insulation	PTFE

Mfrs. List No.	Order Code
5-1814400-1	124-8989
5-1814832-1	124-8990



451204

	Order Code	1+	10+	50+	100+
PCB Socket					
Right Angle	124-8989				
Straight	124-8990				

SMA Plugs, Jacks and Adaptors 50Ω



SMA Straight plug

- Crimp, solder clamp and direct solder attachment types
- Fully intermateable with MIL-C-39012 products
- Industry standard crimp tools and processes
- Flexible and semi rigid cable compatibility

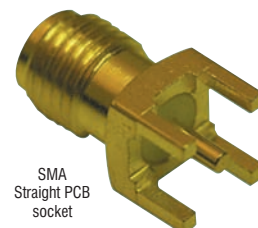
Impedance	50Ω	Ins Resistance	MΩ min		
Frequency Range	18 (Elbow 12.4)	Temp Range	-65°C165°C to +		
Contact Resistance	3mΩ (Elbow 4)	Mating Cycles	500		
1-1478903-0	105-6352	1-1478912-0	105-6358	1-1478921-0	105-6362
1-1478904-0	105-6353	1-1478916-0	105-6361	1-1478923-0	105-6364
1-1478908-0	105-6357				
1-1478963-0	105-6374	1-1478979-0	105-6377	3-1478985-0	105-6381
1-1478966-0	105-6375				

	Order Code	1+	25+	100+	250+
Straight plug, Direct solder					
RG 402	105-6352				
RG 405	105-6353				
Straight plugs, Solder clamp					
RG 58	105-6356				
RG 174	105-6357				
R/A Plug, Solder clamp					
RG 174	105-6358				
Straight plug, Commercial Crimp					
RG 174 C/Crimp	105-6361				
Straight Plug M/L Crimp					
RG 55 M/Crimp	105-6362				
R/A plug Solder Crimp					
RG 58	105-6364				



SMA Straight Jacks

	Order Code	1+	25+	100+	250+
Bulkhead Jack, Direct solder					
RG 405	105-6369				



SMA
Straight PCB
socket

	Order Code	1+	25+	100+	250+
Sockets					
Panel receptacle	105-6374				
Rear mount Bulkhead receptacle	105-6375				
Straight PCB	105-6377				

339005

	Order Code	1+	25+	100+	250+
Dust cap and Chain					
Plug	105-6381				

SMA Plugs and Jacks 50Ω



- Precision connectors for microwave applications up to 18GHz
- Characterised by high mechanical strength, high durability, high reliability and low VSWR

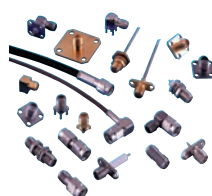
Impedance	50Ω	Contact Res - Outer	2.5mΩ
Frequency Range	0 to 18.0GHz	Ins Resistance	≥5.10 ³ MΩ min
Contact Res - Centre	3mΩ	Temp Range	-65°C165°C to +
Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
11 SMA-50-3-5/111NH	416-2961	11 SMA-50-3-15/111NE	416-3114
16 SMA-50-3-105/111NE	416-2985	16 SMA-50-3-3/111NE	416-3126
21 SMA-50-3-5/111NE	416-2973	21 SMA-50-3-15/111NH	416-3138
24 SMA-50-3-42/133NE	416-2997	24 SMA-50-3-15/111NH	416-3140
11 SMA-50-1-4/111NE	416-3047	11 SMA-50-2-15/111NE	416-3151
16 SMA-50-1-1/111NE	416-3059	21 SMA-50-2-15/111NH	416-3175
24 SMA-50-1-3/111NE	416-3060	24 SMA-50-2-15/111NH	416-3187
11 SMA-50-2-5/111NH	416-3072	82 SMA-50-0-1/111NE	416-3000
16 SMA-50-2-105/111NE	416-3084	85 SMA-50-0-101/111NE	416-3011
21 SMA-50-2-5/111NE	416-3096	31 SMA-50-0-1/111NE	416-3023
24 SMA-50-2-14/111NH	416-3102	34 SMA-50-0-1/111NH	416-3035

SMA Plugs and Jacks - continued

50Ω - continued

	Order Code	1+	10+	50+
Plugs - RG58				
Straight	416-2961			
RA	416-2985			
Jacks - RG58				
Straight	416-2973			
Bulkhead (Nickel Plated)	416-2997			
Plugs - RG178				
Straight	416-3047			
RA	416-3059			
Jacks - RG178				
Bulkhead	416-3060			
Plugs - RG174				
Straight	416-3072			
RA	416-3084			
Jacks - RG174				
Straight	416-3096			
Bulkhead	416-3102			
Plugs - RG402				
Straight	416-3114			
RA	416-3126			
Jacks - RG402				
Straight	416-3138			
Plugs - RG405				
Straight	416-3151			
Jacks - RG405				
Straight	416-3175			
Bulkhead	416-3187			
PCB Mount Jacks				
Straight	416-3000			
RA	416-3011			
Adaptors				
Jack to Jack	416-3023			
BHead Jack to Jack	416-3035			

Commercial SMA Series - 50Ω



- Subminiature coaxial connectors
- Screw-on coupling
- High RF performance
- 2 plating options: -BBR -Gold

Applications : Telecommunication, measurement and test systems, general electronics, aeronautics...

Impedance:	50ohm
Frequency range:	0-12.4GHz
Typical VSWR:	Cable 2.6/50 5/50/D
	Straight models: 1.15 + 0.02F(GHz) 1.15 + 0.01F(GHz)
	Right angle models: 1.15 + 0.03F(GHz) 1.15 + 0.02F(GHz)
Working voltage in VRMS (at sea level):	250V 335V
Insulation resistance:	5000Mohm min.
Durability:	100 matings
Operating temperature:	-65°C to +165°C
Body:	Brass - BBR or Gold plated
Center contact:	Male :Brass - Gold plated
	Female : Beryllium copper - Gold plated
Insulator:	PTFE
Gaskets:	Silicone rubber
Mftrs. List No.	Order Code
R124071123	419-4585
R124075323	419-4597
R124426123	419-4603
R124680123	419-4615

Cable Group	Order Code	1+	10+	25+	50+
Straight plug full crimp type					
	419-4585				
	419-4597				
Straight female PCB receptacle	419-4603				
Right angle female PCB receptacle	419-4615				



- Subminiature coaxial connectors
- Screw-on coupling
- High RF performance
- 2 plating options:
 - Passivated stainless steel
 - Gold plated

Applications : Civil & military telecommunications, civil & military aeronautics, space, measurement systems...

Impedance:	50ohm
Frequency range:	0-18GHz
Operating temperature:	Standard models : -65°C to +165°C
Insulation resistance:	5000Mohm min.
Durability:	500 matings
Body:	Stainless steel - Passivated or gold plated
Center contact:	Male :Brass - Gold plated
	Female : Beryllium copper - Gold plated
Insulator:	PTFE
Gaskets:	Silicone rubber

Mftrs List No.	Order Code	Mftrs List No.	Order Code
Gold plated		Passivated	
R125055000	419-4639	R125176000	419-4731
R125072000	419-4652	R125052002	419-4627
R125075000	419-4664	R125055002	419-4640
R125076000	419-4676	R125076001	859-0982
R125077000	859-0990	R125091001	859-1008
R125153000	419-4688	R125153002	419-4690
R125172000	419-4718	R125154002	419-4706
R125175000	419-4720	R125176001	859-1024

Plugs

Cable Group	Order Code	1+	10+	25+	50+
Gold plated version					
Straight plug solder type					
RG-402, 0.141" Semi-Rigid	419-4639				
Right angle plug solder type					
RG-405, 0.085" Semi-Rigid	419-4688				
Straight plug crimp/solder type					
RG-316/U	419-4652				
RG-58, RG-141	419-4664				
RG-58, RG-141	859-0990				
RG-142/U	419-4676				
Right angle plug crimp/solder type					
RG-316/U	419-4718				
RG-58, RG-141	419-4720				
RG-142/U	419-4731				
Passivated version					
Straight plug solder type					
RG-405, 0.085" Semi-Rigid	419-4627				
RG-402, 0.141" Semi-Rigid	419-4640				
Right angle plug solder type					
RG-405, 0.085" Semi-Rigid	419-4690				
RG-402, 0.141" Semi-Rigid	419-4706				
Straight plug crimp type					
RG-142, RG-142FTX, RG-223, RG-400	859-0982				
Right angle plug crimp type					
RG-142, RG-142FTX, RG-223, RG-400	859-1024				
Straight plug clamp type					
RG-188, RG-316	859-1008				

Jacks

Mftrs List No.	Order Code	Mftrs List No.	Order Code
Gold plated		Passivated	
R125222000	859-1032	R125255000	859-1083
R125225000	859-1040	R125272000	859-1091
R125236000	859-1059	R125303000	419-4755
R125237000	859-1067	R125325000	859-1105
R125238000	859-1075	R125326000	859-1113

Cable Group	Order Code	1+	10+	25+	50+
Gold plated version					
Straight jack solder type					
RG-405, 0.085" Semi-Rigid	859-1032				
RG-402, 0.141" Semi-Rigid	859-1040				
Straight jack crimp/solder type					
RG-188, RG-316	859-1059				
RG-58, RG-141	859-1067				
RG-142, RG-142FTX, RG-223, RG-400	859-1075				
Straight flange jack solder type					
RG-405, 0.085" Semi-Rigid	419-4743				

Cable Group	Order Code	1+	10+	25+	50+
Straight square flange jack solder type					
RG-402, 0.141" Semi-Rigid	859-1083				
RG-174, RG-174FTX, RG-188, RG-316	859-1091				
Bulkhead jack crimp/solder type					
RG-188, RG-316	419-4755				
Straight bulkhead jack panel seal solder type					
RG-405, 0.085" Semi-Rigid	859-1113				
RG-402, 0.141" Semi-Rigid	859-1105				

Receptacles

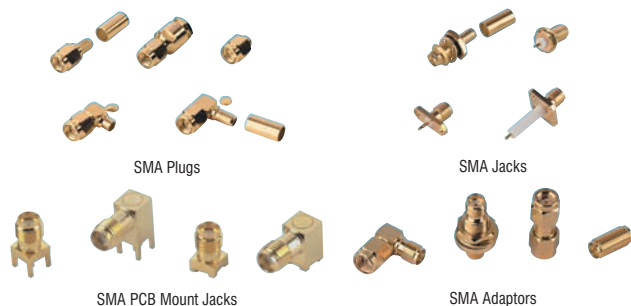
Mfrs List No.	Order Code	Mfrs List No.	Order Code
Gold plated		Passivated	
R125403000	419-4767	R125483000	859-1202
R125414000	419-4779	R125510000	859-1210
R125426000	419-4780	R125553000	419-4809
R125433000	859-1148	R125680000	419-4810
R125444000	859-1156	R125403001	859-1121
R125454000	859-1180	R125462001	419-4792

Description	Order Code	1+	10+	25+	50+
Gold plated version					
Straight female flange receptacle	419-4767				
2 holes flange jack receptacle-solder pot	859-1180				
Bulkhead female receptacle	419-4809				
Square flange plug receptacle	859-1148				
2 hole flange plug receptacle	859-1202				
Square flange extended dielectric receptacle	419-4779				
Square flange plug receptacle-solder pot	859-1156				
Square flange jack receptacle-tab contact	859-1210				
Straight female PCB receptacle	419-4780				
Right angle female PCB receptacle	419-4810				
Passivated version					
Square flange jack receptacle-solder pot	859-1121				
Straight female flange receptacle	419-4792				

Adapters and accessories

Mfrs List No.	Order Code	Mfrs List No.	Order Code
Gold plated		Passivated	
R125703000	419-4822	R125703001	419-4834
R125704000	419-4846	R125704001	859-1261
R125705000	419-4858	R125705001	419-4860
R125720000	419-4871	R125720001	419-4883
R125753000	419-4895	R125753001	419-4901
R125812000	859-1300	R125791501	859-1296
		R125812001	859-1318

Description	Order Code	1+	10+	25+	50+
Gold plated version					
Male-male adapter	419-4822				
Female-female adapter	419-4858				
Bulkhead female-female adapter	419-4871				
Bulkhead hermetically sealed female-female adapter	419-4895				
Male-female adapter	419-4846				
Protective male cap with chain	859-1300				
Passivated version					
Male-male adapter	419-4834				
Male-female adapter	859-1261				
Female-female adapter	419-4860				
Bulkhead female-female adapter	419-4883				
Bulkhead hermetically sealed female-female adapter	419-4901				
Male-female adapter push-on type	859-1296				
Protective male cap	859-1318				

SMA Plugs, Jacks and Adaptors 50Ω

- Semi precision, sub miniature connectors
- Broadband performance with low reflection

Impedance	50Ω	Contact Res - Outer	2mΩ
Frequency Range	0 to 18.0GHz Semi Rigid	Ins Resistance	5000MΩ min
	0 to 12.4GHz Flexible Cable	Temp Range	-65°C to +165°C
Contact Res - Centre	3mΩ		

Cable	Order Code	1+	10+	50+	100+
Straight Plugs					
Crimp	RG58	116-9616			
Clamp	RG58	116-9617			
Clamp	RG174	116-9618			
Direct Solder	RG402	116-9619			
Direct Solder	RG405	116-9620			
RA Plugs					
Crimp	RG58	116-9627			
Direct Solder	RG402	116-9624			
Direct Solder	RG405	116-9625			

Cable	Order Code	1+	10+	50+	100+
Straight Bulkhead Jack					
Direct Solder	RG402	116-9621			
Direct Solder	RG405	116-9623			
Crimp	RG58	116-9628			
Straight Bulkhead Jack - Rear Mount					
Solder		116-9630			
4 Hole Square Flange Jack - Epoxy Captivated					
		116-9626			
2 Hole Flange Jack Receptacle - Solder Pot Contact					
		116-9629			

PCB Mount Jacks	Order Code	1+	10+	50+	100+
Through Hole PCB Mount					
Straight	116-9631				
RA	116-9632				
SMT PCB Mount					
Straight	116-9633				
RA	116-9635				

239946

Adaptors	Order Code	1+	10+	50+	100+
SMA Plug - SMA Plug	116-9638				
SMA Jack - SMA Jack	116-9639				
RA SMA Plug - SMA Jack	116-9636				
SMA BH Jack - SMA Jack	116-9637				

SMA Coaxial Connectors 50 Ω**Amphenol**

- SMA coaxial connectors with an impedance of 50Ω up to 18GHz

Impedance	50Ω
Frequency Range	GHz0 -18 Semi Rigid Cable 0 -12GHz Flexible Cable
VSWR	1.05
Contact Resistance	2.0mohm 2.0mohm
Insulation Resistance	
Body	Steel - Gold plated
Contacts	Socket: Beryllium Copper - Gold plated Pin: Brass - Gold plated
Insulation	PTFE

Mfrs List No.		Mfrs List No.	
SMA7071A2-3GT50G-50	= 111-1337	SMA5071A1-3GT50G-50	= 111-1340
SMA7471B1-3GT50G-50	= 111-1338	SMA5072A2-3GT50G-50	= 111-1341
SMA2071A1-3GT50G-50	= 111-1339		

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

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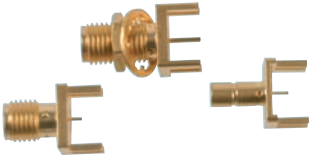
Order Code	1+	10+	50+	100+
Adaptors				
Jack to Jack				
SMA7071A2-3GT50G-50	111-1337			
Bulkhead Jack to Jack				
SMA7471B1-3GT50G-50	111-1338			
Plug to Plug				
SMA2071A1-3GT50G-50	111-1339			
Plug to Jack				
SMA5071A1-3GT50G-50	111-1340			
Plug to Right Angle Jack				
SMA5072A2-3GT50G-50	111-1341			

SMA Series - Screw Coupling - continued

SMA Coaxial Connectors 50 Ω - continued

50	SMA1112A3-3GT50G-14-50.	365-1071
50	SMA1112A3-3GT50G-14-50	111-1332
50	SMA1112A5-3GT50G-5A-50.	365-1083
50	SMA1112A5-3GT50G-5A-50	111-1333
50	SMA6411G2-3GT50G-14-50	111-1335
50	SMA6411G2-001-3GT50G-5A-50.	365-1101
50	SMA6411G2-001-3GT50G-5A-50	111-1336

SMA Jack End Launchers 50Ω



High performance board edge jack receptacles with gold plated brass bodies, PTFE insulators and beryllium copper contacts.

JOHNSON

Impedance	50Ω	Insulation Resistance	5000Mohm
Frequency Range	0 -18GHz	Body	Brass - Gold plated
Contact Resistance	3mohm		
Mfrs List No.	Mfrs List No.	Mfrs List No.	
142-0701-841 =	101-9324 142-0701-873 =	101-9327 142-0711-841 =	101-9329
142-0701-851 =	101-9325 142-0711-821 =	101-9328	

417496

Type	Contact Style	PCB Thickness (mm)	Order Code	1+	10+	50+	100+
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SMA Jacks							
PCB	Tab	1.07	101-9324				
PCB	Tab		101-9325				
Bulkhead	Round	1.57	101-9327				
PCB	Round	1.57	101-9328				
PCB	Round	1.07	101-9329				

SMA Jack End Launchers 50Ω



Gold plated centre contact & body with PTFE insulation

multicomp

Impedance	50Ω	Insulation Resistance	Brass - Gold plated
Frequency Range	0 -18GHz	Body	
Contact Resistance	3mohm		
Type	PCB Thickness (mm)	Price Each	1+ 10+ 50+

467958

SMA Jacks			
Bulkhead	1.73	134-2651	
PCB	1.73	134-2652	
PCB	1.22	134-2653	

SMA Reverse Polarity Connectors 50 Ω

Plugs, Jacks and Adaptors



- SMA coaxial connectors with an impedance of 50Ω up to 18GHz
- RP Plugs have female contact
- RP Jacks have male contact
- MIL Standard 348 interface

Amphenol

Impedance	50ohm	Insulation Res.	Brass - Gold plated
Frequency Range	0 -18GHz Semi Rigid Cable	Body	Beryllium Copper - Gold plated
	0 -12.4GHz Flexible Cable	Center Contacts	TFE
VSWR on Semi Rigid	1.05 + .005f (GHz)	Insulation	
VSWR on RG174	1.20 + .025f (GHz)		

Mfrs List No.	Order Code	Mfrs List No.	Order Code
R SMA1111A1-3GT50G-1-50	132-7442	R SMA6411A1-3GT50G-1-50	132-7447
R SMA1111A1-3GT50G-1A-50	132-7444	R SMA6411A2-NT50G-5-50	132-7448
R SMA1111A1-3GT50G-H155-50	132-7445	SMAF-RSMAF-3GT50G-50	132-7454

456895

Cable Type	ACE Tool No.	Order Code	1+	10+	25+	50+
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Straight Crimp Plug						
RG58	1	132-7442				

Bulkhead Crimp Jacks						
RG58	1	132-7447				
RG174	1	132-7448				

Adaptors						
SMA Jack - R/P SMA Plug		132-7454				

SMB Series - Snap on Coupling

SMB Plugs & Jacks 50Ω

molex



- Subminiature design
- Space saving vertical mating
- Frequency range DC to 4 GHz
- Ideal for wireless and GPS applications
- Snap-on coupling
- Ensures quick field installation

NEW

Applications: Data/Communications, Industrial Automation, Medical, Military/Aerospace and Transportation.

Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Impedance	Bulkhead	Order Code
Right Angle Jack						
73100-0103	Through Hole	—	—	50ohm	×	190-9317
73404-2270	Through Hole	—	—	50ohm	✓	190-9318
Straight Jack						
73404-2300	Through Hole	—	—	50ohm	×	190-9321
73404-0001	Panel	Clamp	—	50ohm	✓	190-9322
73404-1480	Panel	Crimp	RG-405	50ohm	✓	190-9330
Right Angle Plug						
73100-0257	Cable	Crimp	RG-174A, RG-188A, RG-316	50ohm	×	190-9323
Straight Plug						
73100-0248	Cable	Crimp	RG-316	50ohm	×	190-9324

657796

Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
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Right Angle Jack						
73100-0103	190-9317					
73404-2270	190-9318					

Straight Jack						
73404-2300	190-9321					
73404-0001	190-9322					
73404-1480	190-9330					

Right Angle Plug						
73100-0257	190-9323					

Straight Plug						
73100-0248	190-9324					

SMB Plugs and Jacks 50Ω

Tyco Electronics

A range of snap on general purpose subminiature connectors . They are smaller than the SMA range and are especially suitable for use within equipment where space is limited.

Centre Contact Plating	Gold	Dielectric Material	PTFE
Centre contact material Plugs	Beryllium Copper	Operating Temperature Max	165°C
Body Material	Brass	Body plating	Gold
Centre contact material Jacks	Beryllium Copper		

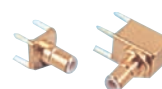
Plugs 50Ω



Mfrs. List No.	Order Code
1-1337475-0	121-2896
1-1478008-0	105-6382

	Order Code	1+	25+	100+	250+
Straight	121-2896				
Elbow	105-6382				

PCB Jacks 50Ω



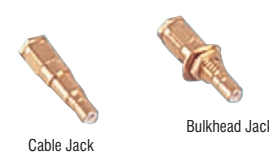
Mfrs. List No.	Order Code
1-1337482-0	120-6013
1-1337481-0	121-2895

338963

	Order Code	1+	25+	100+	250+
Straight	120-6013				
Elbow	121-2895				

Jacks 50Ω

Tyco Electronics



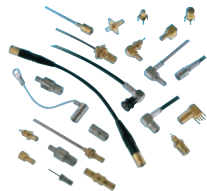
Mfrs. List No.	Order Code
1-1337464-0	120-6010
1-1337480-0	120-6012
1-1337476-0	105-6342
1-1337479-0	105-6343



338992

	Order Code	1+	10+	50+	100+	250+
Jacks						
Bulkhead cable	105-6342					
Bulkhead Solder Spill						
Rear mount	105-6343					
Front mount	120-6012					

SMB Series - 50Ω



- Subminiature coaxial connectors
- Snap-on coupling
- Low weight and reduced outline dimensions
- Plugs have female contacts
- Jacks have male contacts
- Captive contact

Applications : Mobile communication systems, civil and military telecommunications, aeronautics, video, IF systems

Impedance:	50ohm				
Frequency range:	0-4GHz				
Typical VSWR:					
	Cable	2/50	2.6/50		
	Straight models:	1.30 + 0.04F(GHz)	1.25 + 0.04F(GHz)		
	Right angle models:	1.45 + 0.06F(GHz)	1.35 + 0.04F(GHz)		
Working voltage in VRMS (at sea level):	250V	335V			
Insertion loss:	Straight models:	0.3dB max. at 1.5GHz			
	Right angle models:	0.6dB max. at 1.5GHz			
RF leakage:	-55dB min. from 2 to 3GHz				
Insulation resistance:	1000Mohm min.				
Durability:	500 matings				
Operating temperature:	-65°C to +165°C				
Body:	Brass - Gold plated				
Center contact:	Male : Brass - Gold plated				
	Female : Beryllium copper - Gold plated				
Insulator:	PTFE				
Gaskets:	Silicone rubber				
Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R114003000	419-4433	R114205000	859-0877	R114554000	419-4536
R114005000	419-4445	R114239000	859-0893	R114665000	419-4548
R114075000	419-4457	R114303000	859-0907	R114703000	859-0958
R114082000	419-4469	R114305000	859-0915	R114704000	859-0966
R114163000	419-4482	R114413000	859-0931	R114720000	419-4550
R114165000	419-4494	R114426000	419-4512	R114753000	419-4561
R114186000	419-4500	R114553000	419-4524	R114780000	419-4573
R114203000	859-0869				

244804

	Order Code	1+	10+	25+	50+
Cable Group					
Straight plug clamp type					
	419-4433				
	419-4445				
Right angle plug clamp type					
	419-4482				
	419-4494				
Straight plug full crimp type					
	419-4469				
Straight plug crimp type					
	419-4457				
Right angle plug crimp type					
	419-4500				
Straight jack clamp type					
	859-0869				
	859-0877				
Straight bulkhead jack clamp type					
	859-0907				
	859-0915				
Straight jack crimp type					
	859-0893				
Straight bulkhead jack receptacle					
front mounting	419-4524				
rear mounting	419-4536				
Adjustable square flange jack receptacle	859-0931				
Straight PCB jack receptacle	419-4512				
Right angle PCB jack receptacle	419-4548				
Male/male adapter	859-0958				
Female/Female adapter	859-0966				
Bulkhead male-male adapter	419-4550				
Hermetically sealed male-male adapter	419-4561				
Female/male-male tee adapter	419-4573				

SMB Plugs, Jacks and Adaptors

50Ω



Plugs and Jacks

PCB Mount Jacks and Adaptors

- Reliable electrical performance to 4.0 GHz
- Quick connect and disconnect snap on coupling

Impedance	50Ω	Contact Res - Outer	1mΩ
Frequency Range	0 to 4.0GHz	Ins Resistance	1000MΩ min
Contact Res - Centre	6mΩ	Temp Range	-65°C165°C to + 239943/406783

	Order Code	1+	10+	50+	100+
Plugs - RG174					
Straight Clamp	116-9645				
Straight Crimp	116-9647				
RA Crimp	116-9650				
Jacks - RG174					
Straight Clamp	116-9640				
Straight Crimp	116-9648				
Bulkhead Jacks - Solder					
Front Mount	116-9643				
Rear Mount	116-9644				
Bulkhead Jacks - Crimp					
Straight	116-9649				
PCB Mount Jacks					
Straight	116-9641				
RA	116-9642				
Adaptors					
SMB Bulkhead Jack - SMB Jack	116-9652				

SMB Plugs and Jacks 50Ω and 75Ω

Amphenol



- Coaxial connectors with an impedance of 50Ω or 75Ω

Impedance	50Ω	75Ω
Frequency Range	0 -4GHz GHz	0 -4GHz
VSWR	1.3 Straight plug	1.3 Straight plug
	1.4 Right Angle Plug	1.4 Right Angle Plug
Contact Resistance	3mΩ centre	3mΩ centre
	0.5mΩ outer	0.5mΩ outer
Insulation Resistance	GΩ	GΩ
Body	Gold - Gold plated	Brass
Contacts	Socket: Brass - Gold plated	
	Pin: - Gold plated	
Insulation	PTFE	

230279

Mfrs. List No.	Impedance	Cable	Tool		Price Each
				1+	10+ 50+ 100+
Straight Crimp Plug					
SMB6121A1-3GT30G-5-50	50Ω	5	1 or 2	111-1342	
SMZ6121A6-3GT30G-6-75	75Ω	6	1 or 2	111-1343	
Right Angle Crimp Plug					
SMB6112D1-3GT30G-5-50	50Ω	5	1 or 2	111-1344	
SMZ6112A6-3GT30G-6-75	75Ω	6	1 or 2	111-1345	
PCB Jacks					
SMB1251B1-3GT30G-50	50Ω	—	—	111-1349	
SMZ1251B6-3GT30G-75	75Ω	—	—	111-1350	
Right Angle PCB Jack					
SMB1252B1-3GT30G-50	50Ω	—	—	111-1351	

230279

SMB Plugs & Jacks

75Ω



- Subminiature design
- Space saving vertical mating
- Frequency range DC to 4 GHz
- Ideal for wireless and GPS applications
- Snap-on coupling

- Ensures quick field installation

Applications: Data/Communications, Industrial Automation, Medical, Military/Aerospace and Transportation.

molex

NEW

SMB Series - Snap on Coupling - continued

SMB Plugs & Jacks - continued

75Ω - continued

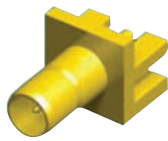
Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Impedance	Bulkhead	Order Code
Right Angle Jack						
73100-0175	Through Hole	—	—	75ohm	×	190-9325
73404-2330	Through Hole	—	—	75ohm	×	190-9326
Straight Jack						
73100-0258	Through Hole	—	—	75ohm	×	190-9327
Right Angle Plug						
73100-0256	Cable	Crimp	RG-179	75ohm	×	190-9328
Straight Plug						
73100-0255	Cable	Crimp	RG-179	75ohm	×	190-9329

657796

Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
Right Angle Jack						
73100-0175	190-9325					
73404-2330	190-9326					
Straight Jack						
73100-0258	190-9327					
Right Angle Plug						
73100-0256	190-9328					
Straight Plug						
73100-0255	190-9329					

SMB Jacks - 75Ω

SMB7H Series



175-3819 - 175-3820

175-3821

175-3822

- Orientation - Straight or Right Angle
- Termination - Through Hole or Edge Mount
- PCB Mounting
- Frequency Range - 0-4 GHz

Specifications:-

Impedance	75ohm	Contact Resistance	6mohm
Contact Material	Brass	Contact Plating	Gold over Nickel
Insulator Material	PTFE	Insulation Resistance	
Shell Material	Nickel Plated Brass	Working Voltage	335Vrms max.
Withstanding Voltage	1000Vrms min.	Cable Type	

546754

Mfrs. List No.	Order Code	1+	10+	25+	50+	100+
Straight Jack, Through Hole, 0.9mm dia. Signal Pin						
SMB7H-J-P-H-ST-TH1	175-3819					
Straight Jack, Through Hole, 0.51mm dia. Signal Pin						
SMB7H-J-P-H-ST-TH2	175-3820					
Right Angle Jack, Through Hole, 0.9mm dia. Signal Pin						
SMB7H-J-P-H-RA-TH1	175-3821					
Straight Jack, Edge Mount						
SMB7H-J-P-H-ST-EM1	175-3822					

QMA Series

QMA Plugs & Jacks

50Ω

NEW

molex



- Subminiature
- Space saving vertical mating
- Snap-on coupling with >60 pounds retention
- Quick and easy installation
- DC to 18 GHz
- Ideal for wireless and GPS applications

Applications: Industrial Automation, Military/Aerospace, Telecommunications and Transportation

Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Bulkhead	Order Code
Right Angle Jack					
73254-0020	Surface Mount	Crimp	—	×	190-9286
73254-0240	Through Hole	—	—	×	190-9287
Straight Jack					
73254-0260	Through Hole	—	—	×	190-9288
73254-0100	Cable	Crimp / Solder	LMR-100, RG-174, RG-188, RG-316	✓	190-9291

Mfrs. List No.	Mounting	Cable Attachment	Wire/Cable Type	Bulkhead	Order Code
Right Angle Plug					
73254-0110	Cable	Crimp / Solder	LMR-100, RG-174, RG-188, RG-316	×	190-9292
73254-0090	Cable	Crimp / Solder	RG-174, RG-188, RG-316	×	190-9293
Straight Flange Jack					
73254-0200	Cable	Solder	—	×	190-9294

657770

Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
Right Angle Jack						
73254-0020	190-9286					
73254-0240	190-9287					
Straight Jack						
73254-0260	190-9288					
73254-0100	190-9291					
Right Angle Plug						
73254-0110	190-9292					
Straight Plug						
73254-0090	190-9293					
Straight Flange Jack						
73254-0200	190-9294					

BMA Series

BMA Series

molex

NEW



- Center contact plating: Gold
- Impedance: 50Ω
- Body style: Straight

643334

RG Cable Type	Mfrs. List No.	Order Code	1+	10+	50+	150+
Jack - Flange panel mount						
RG402	73298-0010	190-9199				
RG55/223/400	73298-0020	190-9201				
Plugs						
RG55/223/400	73298-0030	190-9202				
Through Hole Vertical	73298-0050	190-9200				

Sealed or Shrouded SMB Series

SMB 'Buccaneer'



Environmentally Sealed Connectors - IP68

The SMB Buccaneer is designed for applications requiring compact RF connections up to 4GHz in external or harsh environments. Dust and waterproof to IP68, the SMB connector is housed in robust moulding. Applications include: broadband, LAN/internet routing, test and measurement and instrumentation/telemetry equipment.

- Sealed to IP68 (tested 10m for 2 weeks)
- 50Ω impedance
- Cable connector re-wireable RG174 cable
- Cable connector pre-wired with RG174 cable
- Panel connector pre-wired with RG174 cable
- Overall diameter 19mm
- Gold plated SMB connectors

Specification

Electrical		Material	
Frequency range	0-4GHz	Body Mouldings	Nylon
Impedance	50Ω	Flammability Rating	UL94V-0
Contact Resistance			
Centre	6mΩ		
Outer	mΩ		
Operating Temp. Range	-20°C to 80°C	Mechanical	IP68
		Sealing	
		Cable Acceptance	

381382/406784

SMB 'Buccaneer' Cable Connector - IP68



- Houses SMB plug
- For use with RG174 cable
- Re-wireable or pre-wired
- Mates with panel mount SMB

Mfrs. List No.	Order Code	1+	25+	100+
Re-Wireable SMB Connectors				
PX0416/1	119-3775			
SMB Pre-Wired				
PX0416/1M00	120-6468			
PX0416/3M00	120-6469			
PX0416/5M00	119-3777			

SMB 'Buccaneer' Panel Connector - IP68



- Panel mount SMB jacks
- 0.5, 1.0 or 1.5m cable
- Terminated with RG174 cable
- Single hole fixing



381393/406785

		Price Each		
Mftrs. List No.	Order Code	1+	25+	100+
Connector	Length(m)			
PX0414/0M50	0.5	119-3778		
PX0414/1M50	1.5	119-3780		

SMB Antenna

IP68 sealed



The Buccaneer SMB Antenna is a robust and completely waterproof medium gain antenna specifically developed for the 2.4GHz, 440-470MHz and 850-900/1800/1900MHz frequency bands. Integrating the antenna with a waterproof connector can reduce the total number of connectors in the RF chain, reducing insertion losses, effectively increasing the total system gain.

Features:-

- Dust and Waterproof to IP68 when mated
- Secure screw thread locking
- Built-in sealed antenna
- Mates with SMB Buccaneer, p/ns 119-3778, 119-3779 & 119-3780

Specifications:-

Sealing	IP68, EN60529, when mated	Configuration	Quarter Wavelength
Operating Temperature	-20 to +65°C	Radiation	Omnidirectional
Flammability	UL94V-0	Polarization	Vertical
Body Mouldings	PVC	Impedance	50Ω nominal
UV Resistance	EN50021:1999	VSWR	<2
Frequency	PX0407 - 2.4 to 2.5GHz	RoHS	Compliant
	PX0408 - 440 to 470MHz		
	PX0409 - 850-900/1800/1900MHz		

528339

	Mftrs.		Price Each		
Description	List No.	Order Code	1+	25+	50+
2.4GHz, SMB Antenna	PX0407	142-7476🟢			
			Price Each		
			1+	10+	25+
440 to 470MHz, SMB Antenna	PX0408	168-7562🟢			
850-900/1800/1900MHz, SMB Antenna	PX0409	168-7563🟢			

SMB 'Buccaneer' Accessories



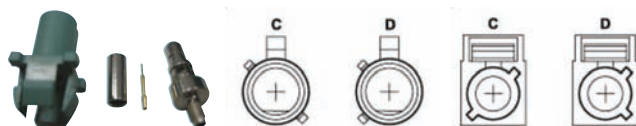
- Sealing caps
384-1285 for use with cable connector
384-1261 for use with panel connector
- Crimp Tool + Die Set for SMB cable connector termination

381395/406786

		Price Each			
Mftrs. List No.	Order Code	1+	25+	50+	100+
Sealing Caps					
PX0480	384-1285				
PX0481	384-1261				
		1+	3+	5+	
Crimp Tool	887-146				
Die Set	386-3281				

RF FAKRA Communication Systems

FA1 Series



Plug Housings

Socket Housings

- A range of FAKRA connectors specific to the automotive industry
- FAKRA C - GPS / Navigation
- FAKRA D - GSM / Communication
- Frequency range - DC to 4GHz
- Vertical cable or right angled PCB designs
- Two cable groups available - 01 = RG174, RG188, RG316, 04 = RG58, RG141

Specifications:-

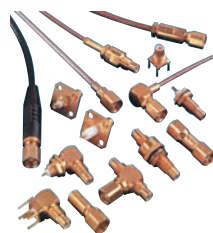
Impedance	50ohm	Insulation Resistance	
Withstanding Voltage	1000V rms	No. of Mating Cycles	100
Contact Plating	Gold	Operating Temp.	-40°C to 115°C
Contact Material	BeCu (Socket) Brass (Plug)	Housing Material	PBT + 15%GF (Panel Mount Plug) Nylon 6/6 (PCB Plugs) Nylon 6/6 (Sockets)

538640

			Price Each				
Type	Mftrs. List No.	Order Code	1+	10+	25+	50+	100+
Front Panel Mount Plug, Vertical, Crimp, Cable Group 01							
C	FA1-NCSP-C01-5	171-8671					
D	FA1-NDSP-C01-5	171-8676					
PCB Mount Plug, Right Angle, Extended Nickel Nose							
C	FA1-NCRP-PCB-9	171-8672					
D	FA1-NDRP-PCB-9	171-8677					
PCB Mount Plug, Right Angle, Die Cast Body							
C	FA1-NCRP-PCB-10	171-8673					
D	FA1-NDRP-PCB-10	171-8679					
Second Generation Socket, Crimp, Cable Group 01							
C	2FA1-NCSJ-C01-0	171-8674					
D	2FA1-NDSJ-C01-0	171-8681					
Second Generation Socket, Crimp, Cable Group 04							
C	2FA1-NCSJ-C04-0	171-8675					
D	2FA1-NDSJ-C04-0	171-8682					

SMC Series - Screw Coupling

SMC series - 50Ω



- Subminiature coaxial connectors
- Screw-on coupling
- Low weight and reduced outline dimensions
- In accordance with standard CECC 22140

Applications : Civil & military radio-telecommunication equipment, aeronautics equipment, portable radio-telecommunication

Impedance:	50ohm
Frequency range:	0-10.0GHz
Typical VSWR:	Straight models: 1.20 + 0.04F(GHz) Right angle models: 1.30 + 0.04F(GHz)
Working voltage in VRMS (at sea level):	335V
Insertion loss:	Straight models: 0.25dB max. at 4GHz Right angle models: 0.50dB max. at 4GHz
RF leakage:	-60dB min. from 2 to 3GHz
Insulation resistance:	1000Mohm
Durability:	500 matings
Operating temperature:	-65°C to +165°C
Body:	Brass - Gold plated
Center contact:	Male : Brass - Gold plated Female : Beryllium treated brass - Gold plated
Insulator:	PTFE
Gaskets:	Silicone rubber

Mftrs. List No.	Order Code	Mftrs. List No.	Order Code
R112005000	419-4299	R112426000	419-4329
R112075000	419-4305	R112553000	859-0842
R112165000	419-4317	R112665000	419-4330

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

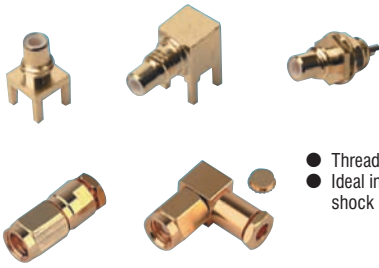
244737

		Price Each			
Cable Group	Order Code	1+	10+	25+	50+
Straight plug clamp type					
	419-4299				
Right angle plug clamp type					
	419-4317				
Straight plug crimp type					
	419-4305				
Bulkhead jack receptacle, front mounting					
	859-0842				
Straight male PCB receptacle					
	419-4329				
Right angle male PCB receptacle					
	419-4330				

SMC Series - Screw Coupling - continued

SMC Plugs and Jacks

50Ω



- Threaded coupling
- Ideal in applications where vibration and shock are design considerations

Impedance 50Ω
Frequency Range 0 to 10.0GHz
Contact Res - Centre 6.0mΩ
Contact Res - Outer 1.0mΩ
Ins Resistance 1000MΩ min
Temp Range -65°C to +165°C

239856/406787

Desc.	Order Code	1 +	Price Each		
			10 +	50 +	100 +
Clamp Plugs - RG174					
Straight	116-9653				
Right Angle	116-9654				
PCB Mount Jacks					
Straight	116-9655				
Right Angle	116-9656				
Bulkhead Jacks					
Straight	116-9657				

Coaxial Terminators

Coaxial Terminators

Amphenol



- Fits standard MCX, SMA, SMB and SMC mounting hole spacing
- Connect directly to PCB or where signal needs to be continued within the equipment while the braid is terminated to the panel.

Body Gold plated

FOR CABLE GROUP REFERENCE TABLE SEE BEGINNING OF SECTION

230377

Mfrs. List No.	Cable Group	Tool No.	Order Code	1+	10+	50+	100+
Straight PCB 4 Hole							
TMN0111B2-3G-05	5	1 or 2	111-1391				
Straight PCB 2 Hole							
TMN0111T1-3G-14	14	1 or 2	111-1392				
Right Angle PCB 4 Hole							
TMN0112U1-3G-05	5	1 or 2	111-1393				

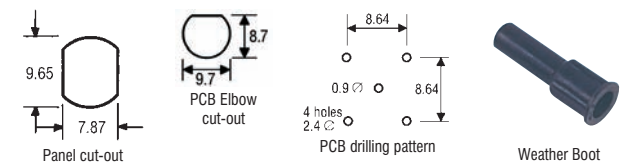
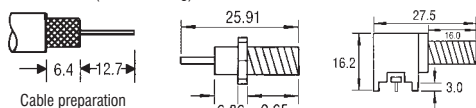
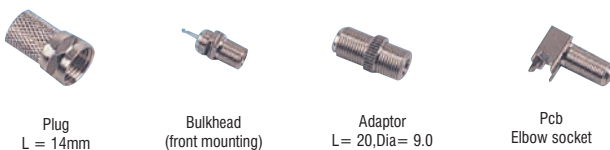
Satellite Connectors - F Series

Plugs, sockets and adaptors for satellite T.V. cable installation and other high frequency, small signal applications.

Impedance 75Ω
Working voltage 250V rms
Operating frequency 0 - 1GHz
Housing Insulator
Contacts Brass body, bright Nickel finish
Polypropylene
Phosphor Bronze

209641

Plug Sockets and Adaptor 75Ω



Quick and simple connection for satellite TV cable RG6/CT100.

Weather Boot
L = 49.6, Dia. = 18.2

219824

Order Multiple=3

Price Each

	Order Code	3+	24+	48+	96+	300+	600+
Plug	116-9535						
Bulkhead Socket (front)	116-9537						
PCB elbow Socket	116-9538						
Adaptor	116-9536						
Weather Boot	966-2316						

F Type 75Ω

Tyco Electronics



Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
5-1814821-1	124-8974	5-1814822-3	124-8978	5-1814823-1	124-8983
5-1814821-3	124-8975	5-1814822-5	124-8979	5-1814825-1	124-8985
5-1814821-7	124-8976	5-1814822-7	124-8980	5-1634540-1	124-8987
5-1814822-1	124-8977	5-1814826-1	124-8981	5-1634537-1	124-8988

451180

Cable Type	Order Code	1+	10+	50+	100+
Crimp Plug					
RG59B/U	124-8974				
RG6/U	124-8975				
CT125	124-8976				
Twist-On Plug					
RG59B/U	124-8977				
RG6/U	124-8978				
CT100	124-8979				
CT125	124-8980				
Bulkhead Socket					
75R	124-8983				
PCB Socket					
90° 33.2mm	124-8987				
Adaptor - Plug - Jack					
90°	124-8988				

"F" type waterproof connectors

With matching crimp tool



SealTite® Pro CATV "F" waterproof connectors
Designed for home or business networking and video distribution: satellite, CATV and UHF.

- Quick and easy to assemble
- Good quality crimp connections assured
- Can be used outdoors as well as indoors

SealTite® Pro crimp tool

Crimps weatherproof and waterproof linear CATV "F", BNC, RCA and right-angle compression-type connectors from multiple manufacturers.

- Precise crimp assured
- Accommodates multiple connectors
- Single reversible head
- No additional parts or attachments required

Compression connectors compatible with SealTite® Pro

Manufacturer	Connector Model/Series
Paladin Tools	SealTite® Pro
ICM Corp.	Digicon DS, F-conn FS & RG
Gem	SNS
Gilbert	UltraSeal™

LRC (Augat/T&B)

Calrad
PCT
Stirling
PPC

Snap-n-Seal™

Permaseal™
PCT-DRS
SPL
EX

346963/406788

Mfrs. List No.	Order Code	1+	10+	50+
"F" Type Waterproof connectors				
RG59 Cable	9610	748-7622		
RG6 Cable	9611	748-7630		
Crimp Tool				
SealTite Pro	1555	748-7614		

Television Style Connectors

Industrial Quality 75Ω Plug



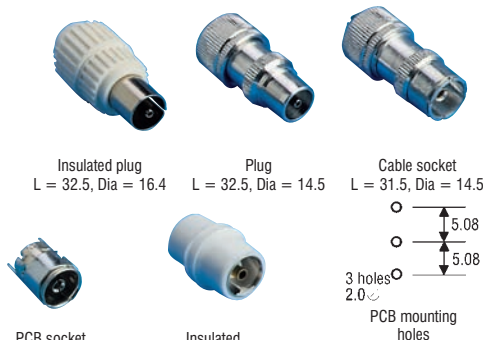
- Screened plug
- L = 25.3mm, Dia. = 12mm
- Body material - Brass
- Body finish - Nickel
- Contact material - Brass
- Contact finish - Gold



219825

Order Code	1+	10+	50+	100+	250+
Nickel Plated	167-5553				

Best Value 75Ω



Cable entry
= 8.0 max

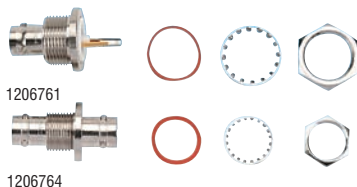
A low cost range of coaxial connectors and adaptors. Plugs available in aluminium or insulated plastic with screw on body shells. PCB socket in tinned steel.

219826

Order Multiple=3	Order Code	3+	48+	96+	300+	600+	900+
Plug							
Aluminium	117-4921						
Sockets							
PCB	117-4923						
Insulated adaptor							
Straight (F-F)	117-4924						

Twinaxial 70 Series

Solder and Feed Through Jacks



Bulkhead Jack (Solder)			Feed Through		
Front mount (insulated)	BJ72	120-6757	Insulated	BJ73	120-6759
Rear mount (insulated)	BJ75	120-6761	Non-insulated	BJ78	120-6764
Front mount	BJ77	120-6763			

227370

Order Code	1+	10+	25+	100+	250+	500+
120-6757						
120-6761						
120-6763						
120-6759						
120-6764						

Twinaxial and Triaxial - 70 and 150 Series



Twinaxial and triaxial connectors are concentric designed with 2 concentric contacts which are isolated from each other, the middle contact and the shielded terminal. They are used in digital data buses, MIL-STD-1553B base band circuits and video pair applications. The connectors do not need mechanical alignment.

Voltage	400V	Insulation resistance	5000 MΩ	Operating Temperature	-65°C to 165°C
Mfrs. Part Number	Order Code	Mfrs. Part Number	Order Code	Mfrs. Part Number	Order Code
PL155-29	142-7914	PL75-47	142-7915	BJ27	142-7916

Mfrs. Part Number	Order Code	Mfrs. Part Number	Order Code	Mfrs. Part Number	Order Code
BJ770	142-7917	BJ74-47	142-7926	PL375-7	142-7929
PL74-7	142-7919	PL155-47	142-7927	PL75-45.	142-7930
AD78					

491058

Description	Order Code	1+	10+	25+	100+	250+
70 series - cable connector						
Push On Wire Crimp	142-7915					
Crimp with Thread	142-7929					
2 Tag, Crimp	142-7930					
70 series- Bulkheads						
Isolated, Panel Soldering	142-7916					
3 Tag, Panel, Soldering	142-7917					
Isolated, Rear Panel Mount, Crimp	142-7926					
150 series						
3 Tag Crimp, Twinax	142-7914					
3 Tag Crimp, Twinax	142-7927					
TRB Adapter	142-7922					

Triaxial

Cable Plugs



- Nickel bodies
- Gold plated centre contacts
- Beryllium copper finger springs
- PTFE dielectric

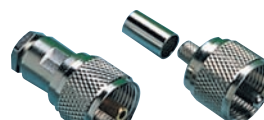
Cable (Belden)	Order Code
9222	120-6755

227376

Order Code	1+	10+	25+	100+	250+	500+
120-6755						

UHF Series

Plugs 50Ω



- Working voltage : 500V rms
- Insulation resistance : 500mΩ min. PTFE insulation
- Frequency range : 0-300MHz
- 5/8" - 24 Threaded Coupling

Cable Plug	Crimp Plug							
		Cable	L	Ø	Contact	Body	Pin	Insulation
UHF Series								Order Code
Crimp plug								
RG58, RG58A, 141A			26.5	5	Nickel	Nickel	Solder	Delrin
								116-9715

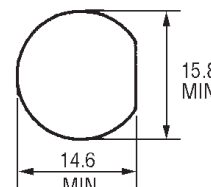
209635

Plug	Order Code	1+	10+	50+	150+	250+	500+
Reduced cable entry	116-9712						
Large cable entry	116-9714						
Crimp plug	116-9715						

Sockets and Adaptor



- Frequency range : 0-300MHz
- Insulation resistance : 500mΩ min. PTFE insulation
- Working voltage : 500V rms
- 5/8" - 24 Threaded Coupling



Bulkhead Socket
(Diag. Cut-out)

UHF Series	RG/U	L	Ø	Contact	Body	Insulation	Order Code
Bulkhead Socket	-	25.3	-	Nickel	Nickel	Delrin	116-9707
Large Cable Jack	RG8A, RG213	42.7	11.3	Gold	Nickel	PTFE	116-9708
Reduced Cable Jack	RG58, RG58A, RG141A	37.1	5	Gold	Nickel	PTFE	116-9710

209638

Socket	Order Code	1+	10+	50+	150+	250+	500+
Bulkhead	116-9707						
Jack							
Large cable	116-9708						
Reduced cable	116-9710						

Inter Series Adaptors

SMA Jack to UHF Plug Adapter



- Body material: Brass
- Body plating: Nickel
- Contact material UHF: Brass
- Contact material SMA: Phosphor bronze
- Contact plating: Gold

Amphenol

NEW

651913

Convert From	Convert To	Mfrs. List No.	Order Code	1+	10+	25+
SMA Coaxial Jack	UHF Coaxial Plug	242109	208-0203			

RF Adaptor Kit

6 Series



- 30 piece Kit
- Adaptors for BNC, UHF, Mini UHF, N, TNC, and SMA series
- Nickel plated conductor bodies with gold plated centre contacts
- Each series contains 2 male and 2 female interfaces plus 6 standard screw couplers
- Allows male to male, female to female and female to male adaptors for any series
- Zippered soft leather case

244427/406790

Order Code	1+	Price Each	5+
116-9659			

RF Adaptor Kit

Plug & Jack



- 30 piece Kit
- Male and female variants
- 1 x Plug & 1 X Jack BNC, UHF, Mini UHF, N, TNC, SMA, FME, SMB, MCX, MMCX, SMC series
- 6 universal adaptors
- Soft zippered leather case

468353

Order Code	1+	Price Each	5+
134-2661			

Inter Series Adaptors



Body
Centre Contacts
Insulation

Brass - Nickel plated
Brass - Gold plated
PTFE

Mfrs. List No. 1-1337567-0=120-5981

231108

Cable Type	Order Code	1+	10+	50+	100+
Nickel Plated					
N Plug-BNC Jack	120-5981				

Inter Series Adaptors



- Between-series adapters are used to make efficient low loss transition between different series of coaxial connectors.
- They are widely used in laboratory test applications and in system equipment applications where different connector types must be mated.
- All adapters are designed to offer the lowest VSWR attainable across the frequency range of the connector involved.

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
R191209000	419-5917	R191332000	419-6004	R191447000	419-6089
R191212000	419-5929	R191334000	419-6016	R191453000	419-6090
R191215000	419-5930	R191381000	419-6028	R191455000	419-6107
R191303000	419-5942	R191405000	419-6030	R191511000	419-6119
R191305000	419-5954	R191419000	419-6041	R191513000	419-6120
R191325000	419-5966	R191421000	419-6053	R191722000	419-6156
R191327000	419-5978	R191422000	419-6065	R192418000	419-6168
R191329000	419-5980	R191424000	419-6077	R192421000	419-6181
R191331000	419-5991				

244967

Description	Order Order	1+	10+	25+	50+
50Ω					
BNC jack to SMA plug	419-5942				
BNC jack to SMB jack - Square flange	419-5929				
BNC jack to SMB jack	419-5930				
BNC jack to TNC plug	419-6030				
BNC jack to UHF plug	419-6089				
BNC jack to 2 banana 4mm	419-6107				
BNC plug to SMA jack	419-5954				
BNC plug to SMB jack	419-5917				
BNC plug to 2 socket contacts 4mm	419-6090				
N jack to BNC plug	419-6041				
N jack to BNC jack - Square flange	419-6077				
N jack to BNC jack					
Panel sealed, bulkhead feedthrough	419-6065				
N jack to SMA plug	419-5978				
N jack to SMA jack	419-5991				
N jack to SMA jack - Panel sealed, bulkhead feedthrough	419-6004				
N jack to SMA jack - Panel and inner sealed, bulkhead feedthrough	419-6016				
N jack to SMA jack - Square flange	419-6028				
N jack to TNC plug	419-6119				
N jack to 7/16 plug	419-6156				
N plug to BNC jack	419-6053				
N plug to SMA jack	419-5980				
N plug to SMA plug	419-5966				
N plug to 7/16 jack	419-6144				
N plug to TNC jack	419-6120				
75Ω					
N jack to BNC jack	419-6168				
N plug to BNC jack	419-6181				

BNC 50Ω to F, N, Phono and TNC



BNC plug to N jack

BNC plug to phono jack

BNC jack to TNC plug

L = 33.3, Dia. = 15.4

L = 27.7, Dia. = 14.5

L = 31.8, Dia. = 14.5

Nickel plated brass housing, with gold or nickel plated contacts.

209549

	Order Code	1+	25+	100+	250+	500+
BNC Plug						
F Jack (75Ω)	116-9539					
N Jack	116-9551					
Phono Jack	116-9544					
TNC Jack	116-9545					
BNC Jack						
TNC Plug	116-9546					
N Plug	116-9571					
UHF Plug	116-9572					

Phono Jack to BNC Male Adaptor

Pomona Electronics
Test & Measurement Accessories



- Permits phono plug to be used with equipment having BNC females
- All metal construction to insure proper shielding
- Nominal impedance 50Ω
- Gold plated centre contact

311580

Mfrs. List No.	Order Code	1+	5+	10+
4054	443-5527			

BNC Female to Phono Plug

Pomona Electronics
Test & Measurement Accessories



- BNC to phono plug adaptor
- Rated at 500V RMS
- BNC centre contact nickel plated

311608

Mfrs. List No.	Order Code	1+	5+	10+
5319	443-5758			

50Ω N to F, SMA and TNC

multicomp

N plug to F jack

N plug to TNC jack

N jack to SMA plug



L = 28.2, Dia. = 15.5

L = 32.5, Dia. = 20

L = 34, Dia. = 20

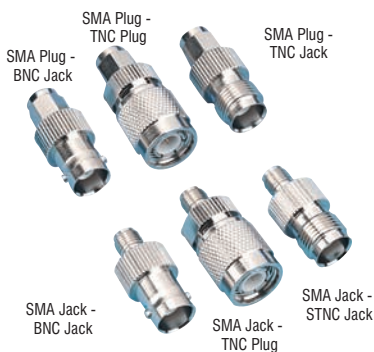
Nickel plated brass housings, with gold or nickel plated contacts.

209550

	Order Code	1+	25+	100+	250+	500+
N Plug						
F Jack (75Ω)	116-9541					
SMA Jack	116-9552					
TNC Jack	116-9553					
SMA Plug	116-9562					
N Jack						
F Plug (75Ω)	116-9540					
SMA Plug	966-2308					
SMA Jack	116-9563					

SMA to BNC and TNC - 50Ω

multicomp



- Nickel plated bodies and gold plated contacts
- PTFE insulators

227377

	Order Code	1+	5+	10+	50+	100+
SMA Plug to:						
BNC Jack	116-9564					
TNC Plug	116-9566					
TNC Jack	116-9568					
SMA Jack to:						
BNC Jack	116-9565					
TNC Plug	116-9569					
TNC Jack	116-9570					

RF Coaxial Adapters

SPC multicomp



- Impedance: 50Ω

- Housing material: Brass

621318

Adapter	Order Code	1+	25+	100+	250+
BNC Plug to					
F Jack	116-9539				
N Jack	116-9551				
Phono Socket	116-9544				
TNC Jack	116-9545				
BNC Receptacle to					
TNC Plug	116-9546				
N Plug	116-9571				
UHF Plug	116-9572				
N Plug to					
F Jack	116-9541				
SMA Jack	116-9552				
TNC Jack	116-9553				
SMA Plug	116-9562				
N Coaxial Receptacle	182-6192				
N Receptacle to					
F Plug	116-9540				
SMA Plug	966-2308				
SMA Jack	116-9563				
TNC Coaxial Plug	182-6191				
SMA Plug to					
BNC Jack	116-9564				
TNC Plug	116-9566				
TNC Jack	116-9568				
N Receptacle	182-6188				
SMA Receptacle to					
BNC Jack	116-9565				
TNC Plug	116-9569				
TNC Jack	116-9570				
BNC Coaxial Plug	182-6186				
SMB Receptacle to					
BNC Coaxial Receptacle	182-6185				
BNC Coaxial Plug	182-6187				
FME Plug to					
BNC Coaxial Plug	182-6203				
FME Plug	182-6204				
Mini UHF Plug	182-6205				
N Coaxial Plug	182-6206				
SMA Coaxial Receptacle	182-6208				
SMA Coaxial Plug	182-6209				
TNC Coaxial Plug	182-6210				
UHF Coaxial Plug	182-6211				
FME Socket to					
BNC Coaxial Plug	182-6199				
BNC Coaxial Receptacle	182-6200				
SMA Coaxial Receptacle	182-6201				
SMA Coaxial Plug	182-6202				

Coaxial Attenuators / Terminators

Coaxial Attenuators

RADIAL



- A coaxial attenuator is a linear passive bidirectional transmission line component designed to be inserted between two coaxial lines in order to reduce the input power in a matched system by a predetermined ratio without otherwise disturbing the behaviour of the equipment.
- The power absorbed by an attenuator is returned to the environment through heat transfer by free air convection or by conduction cooled.
- The ratio of input to output power is expressed in logarithmic terms.
- Designed in accordance with MIL A 3933, MIL E 5400, MIL STD 202 et NFC 96315

Input power/Output power	Attenuation
2	3dB
4	6dB
10	10dB
100	100dB

Coaxial Attenuators / Terminators - continued

Coaxial Attenuators - continued

Mfrs. List No.	Attenuation	Frequency Range	Order Code	1+	10+	25+	50+
SMA							
R411803121	3dB	18GHz	419-6650				
R411803124	3dB	3GHz	419-6661				
R411806121	6dB	18GHz	419-6685				
R411806124	6dB	3GHz	419-6697				
R411810121	10dB	18GHz	419-6703				
R411810124	10dB	3GHz	419-6715				
R411820121	20dB	18GHz	419-6727				
R411820124	20dB	3GHz	419-6739				
R413803000	3dB	18GHz	419-6867				
R413806000	6dB	18GHz	419-6879				
R413810000	10dB	18GHz	419-6880				
R413820000	20dB	18GHz	419-6892				
BNC							
R412403124	3dB	3GHz	419-6752				
R412406124	6dB	3GHz	419-6764				
R412410000	10dB	2GHz	419-6776				
R412410124	10dB	3GHz	419-6788				
R412420000	20dB	2GHz	419-6790				
R412420124	20dB	3GHz	419-6806				
R414420000	20dB	8GHz	419-6910				
N							
R412703124	3dB	3Hz	419-6818				
R412706124	6dB	3Hz	419-6820				
R412710124	10dB	3Hz	419-6843				
R412720124	20dB	3GHz	419-6855				
R414703000	3dB	12.4GHz	419-6922				
R414706000	6dB	12.4GHz	419-6934				
R414710000	10dB	12.4GHz	419-6946				
R414720000	20dB	12.4GHz	419-6958				
R414730000	30dB	12.4GHz	419-6960				

Coaxial Terminations



- A coaxial termination is intended to terminate a coaxial transmission in its characteristic impedance.
- It is supposed to dissipate the whole RF incident power; heat transfer is effected by free air convection into the environment.
- Designed in accordance with MIL D 39030, MIL E 5400, MIL STD 202 et NFC 96314

Mfrs. List No.	Order Code	Power	Frequency	Impedance	Type
Coaxial termination					
R404101000	419-6570	1W	2.5GHz	50ohm	Terminator, Coaxial
R404212000	419-6612	1W	18GHz	50ohm	Terminator, Coaxial
R404210000	419-6594	2W	18GHz	50ohm	Terminator, Coaxial
R404111000	859-1911	1W	4GHz	50ohm	Terminator, Coaxial
R404012000	419-6557	1W	1GHz	75ohm	Terminator, Coaxial
R404131000	419-6582	1W	2.5GHz	50ohm	Terminator, Coaxial
R404240000	419-6624	1W	12.4GHz	50ohm	Terminator, Coaxial
R404121000	859-1920	1W	4GHz	50ohm	Terminator, Coaxial
Resistive pad*					
R404441000	419-6636	1W	1GHz	50ohm	Terminator, Coaxial

*A resistive pad is a component with a specified resistance but which impedance is not guaranteed at high frequency.

Mfrs. List No.	Order Code	1+	10+	25+	50+
SMA terminations					
R404101000	419-6570				
R404212000	419-6612				
R404210000	419-6594				
BNC terminations					
R404111000	859-1911				
R404012000	419-6557				
BNC resistive pads					
R404441000	419-6636				

Mfrs. List No.	Order Code	1+	10+	25+	50+
N terminations					
R404131000	419-6582				
R404240000	419-6624				
TNC terminations					
R404121000	859-1920				

RF Lead Assemblies

Coaxial Test Cables



SilverLine™ Test Cables are cost effective, durable, high-performance cable assemblies designed for use in a broad range of test and interconnect applications. Fabricated from rugged, solid PTFE dielectric cable with stainless steel connectors and a proven strain relief system, these cables provide long life and excellent stability in applications where they are repeatedly flexed and mated/unmated.

- Phase and lock stable
- Long flex life
- Maximum frequency: 18GHz
- Impedance: 50Ω
- Center contact plating: Gold

617830

Lead Length (m)	Mfrs. List No.	Order Code	1+	5+	10+
SMA to SMA Lead					
0.5	SLU18-SMSM-00.50M	180-0239			
0.75	SLU18-SMSM-00.75M	180-0240			
1	SLU18-SMSM-01.00M	180-0241			
1.25	SLU18-SMSM-01.25M	180-0242			
1.5	SLU18-SMSM-01.50M	180-0244			
1.75	SLU18-SMSM-01.75M	180-0245			
2	SLU18-SMSM-02.00M	180-0246			
SMA to N Lead					
0.5	SLU18-SMNM-00.50M	180-0247			
0.75	SLU18-SMNM-00.75M	180-0248			
1	SLU18-SMNM-01.00M	180-0249			
1.25	SLU18-SMNM-01.25M	180-0250			
1.5	SLU18-SMNM-01.50M	180-0251			
1.75	SLU18-SMNM-01.75M	180-0252			
2	SLU18-SMNM-02.00M	180-0253			
SMA to N Lead					
0.75	SLU18-NMNM-00.75M	180-0254			
1	SLU18-NMNM-01.00M	180-0256			
1.25	SLU18-NMNM-01.25M	180-0257			
1.5	SLU18-NMNM-01.50M	180-0258			
1.75	SLU18-NMNM-01.75M	180-0259			
2	SLU18-NMNM-02.00M	180-0260			

Microwave Cable Assemblies

SUCOTEST™- 18GHz



SUCOTEST 18 cable assemblies feature excellent electrical performance (lowest insertion loss combined with excellent stability, high return loss) and are thus designed for daily use in components and assembly shops, test labs and automatic test equipment applications.

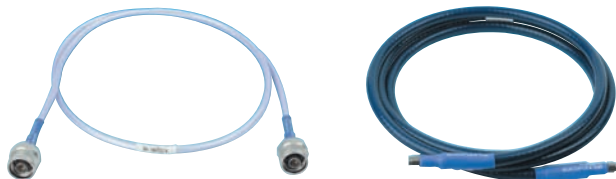
Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
ST-18/NM/NM/36	855-8523	ST-18/SMAM/NM/48	855-8558
ST-18/NM/NM/48	855-8531	ST-18/SMAM/SMAM/36	855-8566
ST-18/SMAM/NM/36	855-8540	ST-18/SMAM/SMAM/48	855-8574

385640

	Order Code	1+	10+	25+
Sucotest Cable - 0.9m				
N Plug to N Plug	855-8523			
SMA Plug to N Plug	855-8540			
SMA Plug to SMA Plug	855-8566			
Sucotest Cable - 1.2m				
N Plug to N Plug	855-8531			
SMA Plug to N Plug	855-8558			
SMA Plug to SMA Plug	855-8574			

Microwave Cable Assemblies

SUCOFLEX® - 26.5GHz



SUCOFLEX®100 series flexible microwave cable assemblies offer superior electrical and mechanical performance for static and dynamic applications. The 104 series is a high end product developed to provide optimal performance up to 26.5GHz where stringent electrical requirements are important, in particular stability and low loss.

Typical applications: Test and Measurement, aerospace, defense systems

Mfrs. List No.	Order Code
SF 104P/2X11SMA-451/1000	416-3503
SF104P-18/11N-47/11N-47/1000	416-3527
SF104PA-18/11SMA-451/11SMA-451/1000	416-3515
SF104PA-18/11N-47/11N-47/1000	416-3539

240669

	Order Code	1+	5+	10+
Sucoflex Cable - 1m				
SMA Plug to SMA Plug	416-3503			
N Plug to N Plug	416-3527			
Sucoflex Cable - Armoured - 1m				
SMA Plug to SMA Plug	416-3515			
N Plug to N Plug	416-3539			

Microwave Cable Assemblies



Microwave cable assemblies - Alternative solution to semi-rigid technology. The conformable technology (hand-forming) offers electrical performance comparable to semi-rigid cables (RG405 and RG402) up to 18 GHz.

Frequency Range	Cable Diameter	Bending Radius	Insertion Loss for 0.25m	VSWR	Temperature Range
DC-18GHz	2.2mm	9mm	2 GHz - 0.31 8 GHz - 0.68 18 GHz - 1.05	1.30	-55°C to 150°C

Length	Ohms	Order Code	1+	10+	25+	50+
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Cable .085

Straight male SMA / Straight male SMA

25cm	50	135-4214				
50cm	50	135-4215				

Frequency Range	Cable Diameter	Bending Radius	Insertion Loss for 0.25m	VSWR	Temperature Range
DC-18GHz	3.5mm	19mm	2 GHz - 0.21 8 GHz - 0.45 18 GHz - 0.8	1.30	55°C to 150°C

467401

Length	Ohms	Order Code	1+	10+	25+	50+
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Cable .141

Straight male SMA / Straight male SMA

25cm	50	135-4216				
50cm	50	135-4217				

Microwave Cable Assemblies - Alternative solution to semi-rigid technology

Ultra-low loss microwave flexible SHF cable-assemblies



The RADIAL SHF technology offers electrical performance comparable to the semi-rigid cables (RG405 and RG402) when flexibility is of the utmost importance

Frequency Range	Bending Radius	Insertion Loss for 0.25m	VSWR	Temperature Range
DC-18GHz	25mm	2 GHz - 0.24 8 GHz - 0.45 18 GHz - 0.63	1.30	-55°C to +125°C

467400

Length	Ohms	Order Code	Mfrs. List No.	1+	10+	25+	50+
Cable 4.2M							
Straight male SMA / Straight male SMA							
50cm	50	135-1926	R286301072				
100cm	50	135-1927	R286301073				

Coaxial leads



Mfrs. List No.	Order Code	Cable Group
R285212000	120-7560	2.6/50+75
R285214000	120-7561	2.6/50+75
R285215000	120-7562	2.6/50+75
R285425000	120-7563	5/50
R285426000	120-7564	5/50
R285427000	120-7565	5/50

245035

Length	Order Code	1+	10+	25+	50+
Female-female SMB lead					
25cm	120-7560				
50cm	120-7561				
100cm	120-7562				
Male-male BNC lead					
100cm	120-7563				
150cm	120-7564				
200cm	120-7565				

BNC Coaxial Cable Assemblies



- Nickel plated brass connectors
- Gold plated contacts
- BNC with moulded strain relief

Cable	Lead Length	Order Code	1+	10+	50+	100+
BNC Plug - Plug						
50ohm	RG58C/U	0.6m	126-1916			
50ohm	RG58C/U	1.2m	126-1917			
50ohm	RG58C/U	2m	126-1918			
75ohm	RG59/U	1.2m	126-1919			

230391

BNC and TNC Coaxial Cable Assemblies



- Patchcord assemblies for wireless and general instrumentation applications
- Quality turned brass PTFE insulators and silicon rubber gaskets
- Nickel plated bodies feature gold contacts and silver plated bodies feature silver plated contacts
- Manufactured to ensure compatibility with IEC mating face requirements and US MIL-C-39029
- Connectors meet requirements of BS9210, MIL-C-39012, CeCC22120 and IEC169/8
- RG58/U, RG59/U and RG62A/U cables are halogen free, fire retardant thermo-plastic sheath to BS6724

BNC and TNC Coaxial Cable Assemblies - continued

230394

Length (m)	Mftrs. List No.	Order Code	Price Each
1+			
Ni/Au RG58			
BNC 50Ω Plug to Plug			
0.25	1337769-1	105-6117●	
0.5	1337769-2	105-6118●	
1	1337769-3	105-6119●	
1.5	1337769-4	105-6120●	
2	1337769-5	105-6121●	
BNC 50Ω Plug to R/A Plug			
0.25	1337772-1	105-6126●	
0.5	1337772-2	105-6127●	
1	1337772-3	105-6129●	
1.5	1337772-4	105-6131●	
BNC 50Ω R/A Plug to R/A Plug			
0.25	1337773-1	105-6132●	
0.5	1337773-2	105-6133●	
1	1337773-3	105-6134●	
1.5	1337773-4	105-6135●	
BNC 50Ω Plug to Jack			
0.5	1337774-2	105-6136●	
1	1337774-3	105-6137●	
1.5	1337774-4	105-6138●	
Ag/Ag RG58			
BNC 50Ω Plug to Plug			
0.25	1337771-1	105-6122●	
0.5	1337771-2	105-6123●	
1	1337771-4	105-6124●	
2	1337771-8	105-6125●	
Ni/Au RG59			
BNC 75Ω Plug to Plug			
0.25	1337775-1	105-6139●	
0.5	1337775-2	105-6140●	
1	1337775-3	105-6142●	
1.5	1337775-4	105-6143●	
BNC 75Ω Plug to R/A Plug			
0.5	1337778-2	105-6144●	
1.5	1337778-4	105-6145●	
Ni/Au RG59			
BNC 75Ω R/A Plug to R/A Plug			
0.5	1337779-2	105-6146●	

Cable Assemblies BNC



Cable Assemblies 50 and 75Ω.



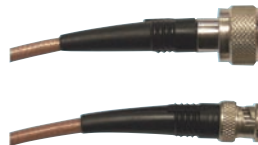
Mftrs. List No.	Order Code	Mftrs. List No.	Order Code
R284C0351003	135-1879	R284C0351012	135-1887
R284C0351004	135-1880	R284C0351014	135-1889
R284C0351005	135-1881	R284C0351015	135-1890
R284C0351006	135-1882	R284C0351016	135-1891
R284C0351007	135-1883	R284C0351017	135-1892
R284C0351008	135-1884	R284C0351018	135-1893
R284C0351011	135-1885		

467367

Length	oHm	Order Code	1+	10+	25+	50+
Cable RG58						
Plug - Plug Straight						
25cm	50	135-1879●				
50cm	50	135-1880●				
100cm	50	135-1881●				
200cm	50	135-1882●				
300cm	50	135-1883●				
500cm	50	135-1884●				
Cable RG223						
Plug - Plug Straight						
50cm	50	135-1885●				
100cm	50	135-1887●				
Cable RG59						

Length	oHm	Order Code	1+	10+	25+	50+
Plug - Plug Straight						
50cm	75	135-1889●				
100cm	75	135-1890●				
200cm	75	135-1891●				
300cm	75	135-1892●				
500cm	75	135-1893●				

Cable Assemblies BNC / N



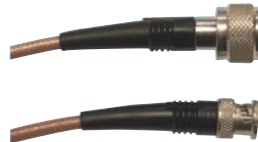
Coaxial cable assemblies with plug BNC and N connector.

Mftrs. List No.	Order Code
R284C0351026	134-9837
R284C0351027	134-9838

467071

Length	Order Code	1+	10+	25+	50+
BNC / N Plug - Plug					
50cm	134-9837●				
100cm	134-9838●				

Cable Assemblies BNC-SMB



Cable Assemblies BNC and straight connector N and plug BNC and straight connector SMB.

Mftrs. List No.	Order Code
R284C0351024	135-1894
R284C0351025	135-1895
R284C0351028	135-1896

467396

Length	oHm	Order Code	1+	10+	25+	50+
50cm	50	135-1894●				
100cm	50	135-1895●				
BNC Plug / SMB Female Straight						
100cm	50	135-1896●				

SMA, SMB and MCX Cable Assemblies - 50Ω



Plug to Plug Cable Assemblies

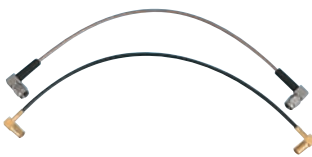


A range of ready made assemblies with various connector and cable types

- **SMA to SMA** plug to plug, optional stainless steel connectors with RG316/U cable. or, Gold plated brass connectors with RG174/U cable
- **SMB to SMB** plug to plug comprises, Gold plated brass connectors with RG174/U cable
- **MCX to MCX** plug to plug comprises, Nickel plated brass connectors and RG174 cable. Ideal for use where space is limited.
- Contacts are Gold plated brass
- PTFE insulators

337998.342998

Length (mm)	Connector Body	Order Code	1+	10+	25+
SMA - SMA RG316/U					
250	Stainless steel	116-9687●			
1000	Stainless steel	116-9688●			
SMA - SMA RG174/U					
250	Brass, Gold plated	116-9689●			
1000	Brass, Gold plated	116-9690●			
SMB - SMB RG174/U					
1000	Brass, Gold plated	116-9693●			
MCX - MCX RG174/U					
250	Brass Nickel plated	116-9691●			
1000	Brass Nickel plated	116-9692●			



- Patchcord assemblies for wireless base station and general instrumentation applications

- Quality turned brass connectors with PTFE insulators and silicon rubber gaskets
- Gold plated brass and passivated stainless steel bodies with gold plated contacts
- Manufactured to ensure compatibility with IEC mating face requirements and **US MIL-C-39029**

230395

Length (m)	Mfrs. List No.	Order Code	Price Each 1+
St Steel/Au RG316			
SMA 50Ω Plug to Plug			
0.25	1337808-1	105-6167	
0.5	1337808-2	105-6168	
1	1337808-3	105-6169	
SMA 50Ω Plug to R/A Plug			
0.25	1337810-1	105-6173	
0.5	1337810-2	105-6174	
1	1337810-3	105-6175	
SMA 50Ω R/A Plug to R/A Plug			
0.25	1337812-1	105-6180	
0.5	1337812-2	105-6182	
1	1337812-3	105-6183	
Au/Au RG174			
SMA 50Ω Plug to Plug			
0.25	1337809-1	105-6170	
0.5	1337809-2	105-6171	
1	1337809-3	105-6172	
SMA 50Ω Plug to R/A Plug			
0.25	1337811-1	105-6176	
0.5	1337811-2	105-6178	
1	1337811-3	105-6179	
SMB 50Ω Plug to Plug			
0.25	1337815-1	105-6187	
SMB 50Ω Plug to Plug			
0.5	1337815-2	105-6188	
1	1337815-3	105-6191	
SMB 50Ω Plug to R/A Plug			
0.25	1337816-1	105-6192	
0.5	1337816-2	105-6193	
SMB 50Ω R/A Plug to R/A Plug			
0.25	1337817-1	105-6195	
0.5	1337817-2	105-6196	
1	1337817-3	105-6197	
SMC 50Ω Plug to Plug			
0.25	1337819-1	105-6202	
0.5	1337819-2	105-6203	
1	1337819-3	105-6204	
Au/Au RG316			
SMB 50Ω Plug to Plug			
0.25	1337814-1	105-6184	
0.5	1337814-2	105-6185	
1	1337814-3	105-6186	
SMB 50Ω R/A Plug to R/A Plug			
2	1337818-4	105-6200	
3	1337818-5	105-6201	

Cable Assemblies SMA



Plug SMA cable assemblies (straight and R/A).

Mfrs. List No.	Order Code
R284C0351053	134-9827
R284C0351054	134-9828
R284C0351055	134-9829
R284C0351056	134-9830
R284C0351057	134-9832
R284C0351058	134-9833

467067



Length	Order Code	1+	10+	25+	50+
Cable RG316 (DC - 3 GHz)					
SMA Straight / Straight					
50cm	134-9827				
100cm	134-9828				
SMA Straight / Right Angle					
50cm	134-9829				
100cm	134-9830				
SMA Right Angle / Right Angle					
50cm	134-9832				
100cm	134-9833				

Cable Assemblies SMA



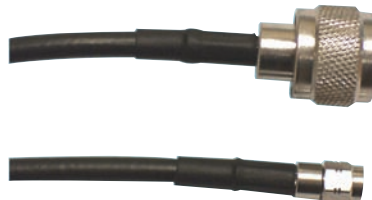
Cable Assemblies plug SMA (straight or right angle).

Mfrs. List No.	Order Code
R284C0351059	135-1920
R284C0351060	135-1921

467399

Length	oHm	Order Code	1+	10+	25+	50+
Cable RG223 (DC -12.4 GHz)						
Plug - Plug Straight						
100cm	50	135-1920				
Cable RG142 (DC -12.4 GHz)						
Plug - Plug Straight						
100cm	50	135-1921				

Cable Assemblies N-SMA



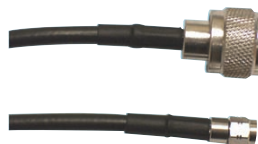
Cable Assemblies connector N and straight plug SMA.

Mfrs. List No.	Order Code
R284C0351047	135-1915
R284C0351048	135-1917
R284C0351049	135-1918

467398

Length	Impedance (Ω)	Order Code	1+	10+	25+	50+
Cable RG223 (DC - 12.4 GHz)						
Plug N - Straight plug SMA						
50cm	50	135-1915				
100cm	50	135-1917				
Cable RG142 (DC - 12.4 GHz)						
Plug N - Straight plug SMA						
50cm	50	135-1918				

Cable Assemblies SMA / N



Coaxial cable assemblies with plug SMA and N connector.

Mfrs. List No.	Order Code
R284C0351045	134-9839
R284C0351046	134-9840

467072

Length	Order Code	1+	10+	25+	50+
Cable RG58					
SMA / N					
50cm	134-9839				
100cm	134-9840				

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Log on, research, refine and design

RF Lead Assemblies - continued

N Series Coaxial Cable Assemblies



- Quality turned brass, PTFE insulators and silicon rubber gaskets
- Nickel or white bronze plated bodies with gold plated contacts and silver plated bodies with silver plated contacts
- Manufactured to ensure compatibility with IEC mating face requirements and US MIL-C-39029
- Patch cord assemblies for wireless base station and general instrumentation

230397

No. of Ways	Mftrs. List No.	Order Code	Price Each
			1+
Ni/AU RG58			
N 50Ω Plug to Plug			
0.25	1337801-1	105-6157	
0.5	1337801-2	105-6158	
1	1337801-3	105-6159	
1.5	1337801-4	105-6160	
Ni/Au RG213			
N 50Ω Plug to Plug			
0.25	1337803-1	105-6161	
0.5	1337803-2	105-6162	
1	1337803-3	105-6163	
1.5	1337803-4	105-6164	

Cable Assemblies N



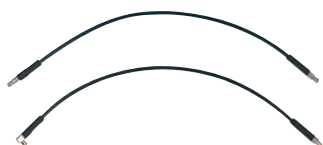
Cable Assemblies BNC and straight connector N (straight and right angle).

Mftrs. List No.	Order Code	Mftrs. List No.	Order Code
R284C0351030	135-1899	R284C0351041	135-1911
R284C0351036	135-1906	R284C0351042	135-1912
R284C0351038	135-1908	R284C0351043	135-1913
R284C0351039	135-1909	R284C0351044	135-1914
R284C0351040	135-1910		

467397

Length	ohm	Order Code	1+	10+	25+	50+
Cable RG58 (DC - 1 GHz)						
Plug - Plug Straight						
100cm	50	135-1899				
Cable RG142 (DC - 12.4 GHz)						
Plug Straight - Plug Right Angle						
100cm	50	135-1906				
Cable RG213 (DC - 1 GHz)						
Plug - Plug Straight						
200cm	50	135-1908				
300cm	50	135-1909				
500cm	50	135-1910				
Cable RG214						
Plug - Plug Straight						
100cm	50	135-1911				
200cm	50	135-1912				
300cm	50	135-1913				
500cm	50	135-1914				

MCX Coaxial Cable Assemblies



- Standard patchcord assemblies provide a cost-effective, off the shelf solution for wireless and communication applications

230398

No. of Ways	Mftrs. List No.	Order Code	Price Each
			1+
Ni/AU RG174			
MCX 50Ω Plug to Plug			
0.25	1337785-1	105-6150	
0.5	1337785-2	105-6151	
1	1337785-3	105-6152	
MCX 50Ω Plug to R/A Plug			
0.25	1337786-1	105-6154	
0.5	1337786-2	105-6155	
1	1337786-3	105-6156	

Cable Assemblies MCX



Coaxial cable assemblies MCX.

Mftrs. List No.	Order Code
R284C0351065	134-9835
R284C0351066	134-9836

467070

Length	Order Code	1+	10+	25+	50+
Cable RG178					
MCX Plug - Plug					
Straight / Right Angle					
25cm	134-9835				
Right Angle / Right Angle					
25cm	134-9836				

RF Cable Stripping Tools

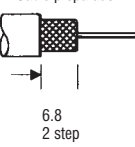
Cable Stripping Tools-2 and 3 Step

Cable entry 2.5-7.6

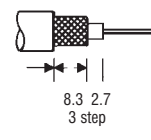


Stripping tool

Cable preparation



6.8
2 step



8.3 2.7
3 step

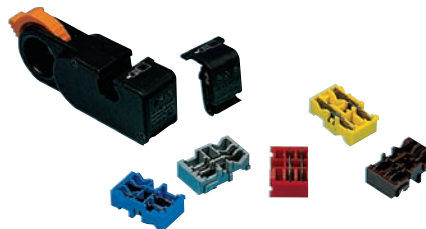
Two easier to use and more versatile versions of the original cable stripping tool, **supplied complete with long life blade cassettes**. The two-step version prepares cable for 'Twist-on' coaxial connectors, and the three-step for most crimp BNC and TNC plugs. Suitable for use with RG58, RG59, RG62, RG174, RG179, CT100 and Belden 8281 coaxial cables.

Note: The three-step replacement cassette cannot be used in the two-step tool.

230402

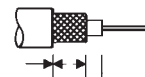
	Order Code	1+	5+	10+
Stripping Tools with Cassettes				
2 Step	251-203			
3 Step	251-215			

Modular Coaxial Stripping Tool



H=41, W=26.2, D=98

- Modular stripping tool with interchangeable cassette blades
- Spare (screw adjustable) end plates 3 grub screws for blade depth
- Use one end plate for each cable style to ensure fast set up
- Stripping cassettes available 3 stages



Order Code	Cassette	A	B
3 stage			
887-298	Green	7.1	5.1
887-304	Brown	7.5	3.5

Mftrs. List No.	Order Code	1+	3+	5+	10+
Stripping Tool Body					
903050	887-237				
3 Stage					
Green Cassette	903200	887-298			
Brown Cassette	903201	887-304			

230403

RF Connector Crimping Tools

RF Crimping Tool

Insulated MMCX Connectors



- Steel construction
- Adjustable pressure
- 7 Jaw Size die
- Ratchet mechanism
- P.P. handles

Cable groups covered RG 147, 178, 179, 180, 187, 196 & 316
Jaw sizes (Across Flats) 0.71, 1.0, 1.2, 2.54, 3.25 & 3.84mm
Recommended connector Order Codes 429-7246, 429-7260, 429-7271, 429-7301 & 429-7313
Suitable connector Order Codes 429-7258, 429-7283 & 429-7295
(soldered center contact)

348856/406772

Mfrs.	Order Code	1+	5+	10+
List No.				
HT-336T	766-9119			

Greenpar Crimp Tooling



- A full range of tools and dies for Greenpar RF crimp connectors
- Universal crimp tool frame with individual dies

239266

Cable Type	Mfrs. List No.	Order Code	Price Each
Tool Frame	9-1478240-0	413-2440	
Crimp Dies			
RG58, RG59, URM70, BT2002	9-1478242-0	413-2452	
RG174, RG179, BT3002	9-1478245-0	413-2476	
RG174, RG178	9-1478248-0	413-2506	

SDE Die and Tooling options available See Web

RF Crimping Tool

RG58 and RG213 Series Cables/Connectors



- Low cost crimping tools for RF style connectors
- Tools crimp both centre contact and outer ferrule
- Over centre fulcrum crimp, with positive end stop
- Dip moulded PVC handles

Cable groups covered 079 and 001
RG6, RG11 and RG213341-4681

Order Code
341-4681

230406

Cable Group	Order Code	1+	5+	10+
RG6, RG11, RG213	341-4681			

Modular Ratchet Tool

With Interchangeable Die Sets



- Modular tool with interchangeable die sets
- 7 die sets to suit most R.F. coaxial crimp connectors
- ABS case holds 1 tool and 7 die sets

Die Dimensions (MM)

Part No.	Hex	Square
2034	6.50 5.41 1.73	—
2039	10.54 2.41	—
2042	8.79 8.00 6.50	—
2046	5.41 4.52 1.73	1.07
2051	4.52 3.25 1.73	—
2075	8.26 5.46 1.65	—
2653	3.25 5.41 5.00 1.73	1.07

230447

Mfrs.

Price Each

List No.	Order Code	1+	3+	5+
Universal Tool Frame	1302	887-146		
Die Sets				
Connectors	Cable Groups			
BNC, TNC	2034	887-158		
N Type	2039	887-160		
F, BNC	2042	887-171		
BNC	2046	887-183		
BNC, SMA, SMB, SMC	2051	887-195		
BNC, TNC	RG58, 59, 62AU, 6	2075	386-3270	
SMA, SMB, Mini UHF	RG58, 174	2653	386-3281	
ABS Case	901013	377-6657		

Coax Ready Kit



The complete tool kit for coaxial installation and assembly. Ideal for LAN/Ethernet or video installers.

The kit comprises:

Description	Mfrs List No.	Order Code
1300 Crimp Tool	1302	887-146
Crimp Die	2034	887-158
Crimp Die	2075	386-3270
Crimp Die	2653	386-3281
Three Level Coax Stripper	LC CST-58/59	386-3293
Coax Cable Cutter	KT8	NA

Kit includes space for Local or Remote Coax Tester

232021

Mfrs.	Order Code	1+	3+	5+
List No.				
901054	386-3268			

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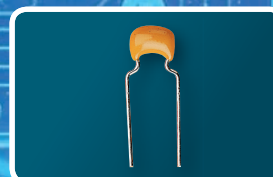
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