

AMPHENOL RF Connectors and Tools Amphenol®



This product is RoHS compliant.

SMB RF CONNECTORS

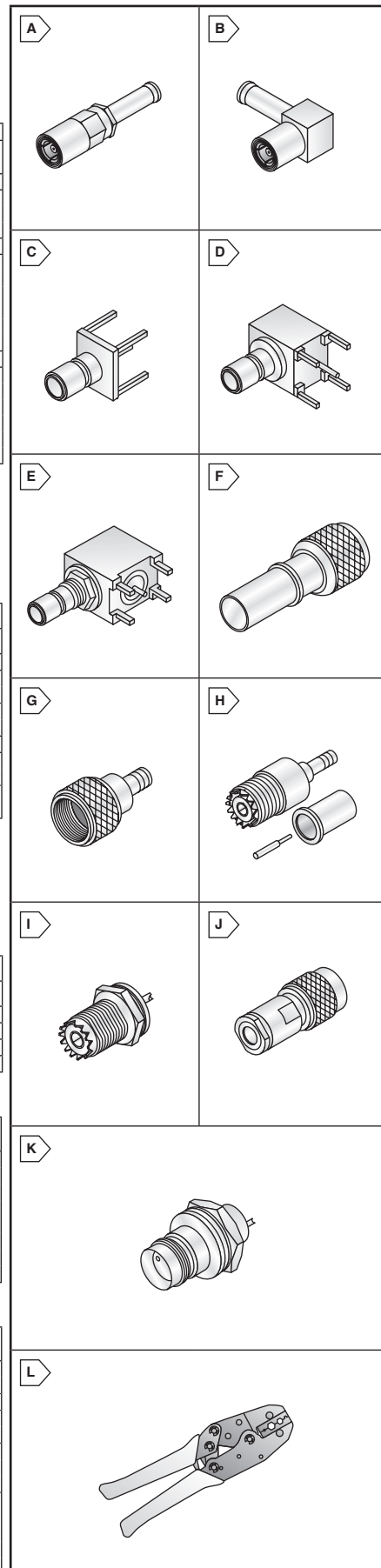
Offers quick connect/disconnect snap on mating, reducing installation time.

- Impedance: 50Ω
- Frequency Range: 0-4GHz
- Center Contacts: Gold Plated
- Crimp Tool: CTL-13
- Insulators: TFE fluorocarbon
- Connector Durability: 500 matings
- Mating: Rapid Snap-on coupling, per MIL-STD-348
- Conforms with MIL-C-39012
- Interface is in compliance w/ MIL STD-348

* Die Cast

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Attachment Outer-Inner	Plating	Description/ Cable Type	Price Each			
						1	10	25	100
Straight Plugs									
523-903-370P-51S	903-370P-51S	A	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805	6.57	6.06	5.61	5.14
523-903-285P51S	903285P51S	A	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805	10.26	9.16	8.77	8.16
523-903371P51S	903371P51S	A	Crimp-Solder	Nickel	178, 196, (.071" Outer Diameter)	16.17	14.76	13.62	12.60
Right Angle Plugs									
523-903-367P-51A	903-367P-51A	B	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805	16.92	15.58	14.43	13.45
523-903-367P-51A2	903-367P-51A2	B	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805	4.26	3.69	3.32	3.19
523-903-368P-51A1	903-368P-51A1	B	Crimp-Solder	Nickel	M17/93, 178, 178A, 196	5.84	5.34	5.22	5.22
523-903-369P-51A	903-369P-51A	B	Crimp-Solder	Nickel	M17/152, 315U Dbl. Braid 2x, 188	13.79	12.64	11.66	10.82
523-903-289P51A	903289P51A	B	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805	11.18	10.33	9.60	8.70
523-903-289P-51A2	903-289P-51A2	B	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805	4.07	3.73	3.43	3.18
Receptacles									
523-903-415J-51P	903-415J-51P	C	PCB Jack	Gold	Vertical, .155" Legs, .250" Sq. Base Front Mount	6.97	6.21	5.76	5.33
523-903-406J-51R	903-406J-51R	C	Solder	Gold	Vertical Bulkhead, .155" Legs	6.06	4.86	4.21	3.96
523-903-499J-51P	903-499J-51P	C	PCB Jack	Gold	Vertical Bulkhead, .155" Legs	9.09	8.25	7.65	6.41
523-903-499J-51P2	903-499J-51P2	C	PCB Jack	Gold	Vertical, .155" Legs, .250" Sq. Base	3.48	3.00	2.65	2.48
523-903-373J-51A	903-373J-51A	D	PCB Jack	Gold	Right Angle, .155" Legs, .312" Base	6.31	5.66	4.92	4.49
523-903-413J-51A	903-413J-51A	E	PCB Jack	Gold	Right Angle Bulkhead, .155" Legs	12.99	11.98	10.98	9.83



MINI-UHF CONNECTORS

Designed for use as a coaxial interconnection in cell phones, automotive systems, and similar applications where size, weight, and cost factors are critical.

- Impedance: 50Ω
- Frequency Range: 0-2.5GHz
- Crimp Tool: CTL-5
- Temperature Range: -55°C to 85°C (TFE Insulators)
- Voltage Rating: 335 Volts Peak
- Mating: 3/8-24 Threaded Coupling
- Teflon Insulators

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Attachment Outer-Inner	Plating	Description/ Cable Type	Price Each			
						1	10	25	100
Plug									
523-81-114-RFX	81-114-RFX	F	Crimp-Crimp	Nickel/Gold	RG58, 141, 303, LMR 195, Belden 9258	3.59	3.32	3.26	3.26
523-81-115N-1000	81-115N-1000	G	Crimp-Crimp	Nickel/Gold	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	3.24	3.03	2.77	2.44
Receptacles									
523-81-116	81-116	H	Crimp-Crimp	Nickel/Tin-Lead	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	12.99	11.87	10.97	10.13
523-81-120	81-120	I	Solder Cup	Nickel/Gold	Straight Rear Mount Bulkhead .125" Max Panel Thickness	2.84	2.61	2.40	2.22

TWIN-AXIAL WEATHER PROOF CONNECTORS (TWINAX)

Due to improved shielding characteristics, these connectors are used in balanced low level and high sensitivity circuits. Keyway polarization ensures system integrity and prevents signals from being mixed. 5000V peak with Teflon insulators allows for high temperature applications.

- Frequency Range: 0-200MHz
- Impedance: 78Ω and 95Ω Cables
- Body Plating: Nickel
- Weatherproof: When mated
- Large thread designed for rugged use
- Contact Plating: Gold

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Attachment Outer-Inner	Description/ Cable Type	Price Each				
					1	10	25	100	
Plugs									
523-82-5589-RFX	82-5589-RFX	J	Clamp-Solder	Belden 9207, IBM 7362211, Times Types	6.26	5.75	4.91	4.66	
Receptacles									
523-82-5590-RFX	82-5590-RFX	K	Solder Cup	Bulkhead, Front Mount, .295" Panel	10.68	9.70	8.89	8.22	

CRIMP TOOLS WITH DIE SETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Groups	Die Cavities	Price Each
523-47-10070	47-10070	L	RG 55 / 58 / 59 / 62 / 141 / 142 / 223 / 303 / 400	.255 / .213 / .068	68.92
523-47-10180	47-10180	L	5 Cavity RG 58 / 59 N, BNC, TNC, SMA	.255 / .213 / .100 / .068 / .052	76.00
523-47-10090	47-10090	L	RG 8 / 11 / 213 / 214	.429 / .100 / .08	72.67
523-47-10160	47-10160	L	.151 HEX 316 / 179 / Double Braid	.151 / .178 / .213	72.66
523-47-10110	47-10110	L	RG6 / 59 / B8281	.324 / .255 / .068 / .042	72.68
523-47-10210	47-10210	L	LMR 400 / B9913 / B9914 / B7810	.429 / .118	72.19
523-47-10270	47-10270	L	BNC / TNC, .042 Center Contact, .068 Center Contact	.178 / .128, .068, .042	84.97

CTL CRIMP TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Connector Types	Cable Type	Price Each
523-CTL-2	CTL-2	L	BNC, TNC 3-Piece	6, Plenum 58, 174, 179, 187, 188, 316, Belden 8281	69.43
523-CTL3	CTL3	L	N 3-Piece	8, 11, 55, 58, 141, 142, 149, 213, 214, 223, 225, 303, 393, 400, Ethernet Cables	69.43
523-CTL4	CTL4	L	Twinax Center Contacts	Belden 8227, 9207, 89207, IBM 7362211 Twinax Cable	80.72
523-CTL5	CTL5	L	BNC, TNC, Mini-UHF, N	55, 58, 59, 62, 140, 141, 142, 210, 223, 303, 400, Belden 9258, 9259, 9907, 89907, Plenum 59 and 62	71.45
523-CTL-6	CTL-6	L	BNC, TNC 3-Piece	59, 62, 174, Plenum 59, Plenum 62	108.96
523-CTL-9	CTL-9	L	SMA	174, 188, 180, 360	132.79
523-CTL-11	CTL-11	L	Type N 3-Piece	Belden 9913, 9914, LMR 400, 7810A	232.97
523-CTL13	CTL13	L	MMCX, SMA, SMB	174, 178, 188, 196, 316, RD-316	169.20
523-CTL-15	CTL-15	L	MMCX, 75 ohm	Belden 735A, 821B	313.79