

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 of 500 and up, 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				
523-903-285P51S	903285P51S	A	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805				
523-903371P51S	903371P51S	A	Crimp-Solder	Nickel	178, 196, (.071" Outer Diameter)				
Right Angle Plugs									
523-903-367P-51A	903-367P-51A	B	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805				
523-903-367P-51A2	903-367P-51A2	B	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805				
523-903-368P-51A1	903-368P-51A1	B	Crimp-Solder	Nickel	M17/93, 178, 178A, 196				
523-903-369P-51A	903-369P-51A	B	Crimp-Solder	Nickel	M17/152, 315U Dbl. Braid 2x, 188				
523-903-289P51A	903289P51A	B	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805				
523-903-289P-51A2	903-289P-51A2	B	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805				
Receptacles									
523-903-415J-51P	903-415J-51P	C	PCB Jack	Gold	Vertical, .155" Legs, .250" Sq. Base				
523-903-406J-51R	903-406J-51R	C	Solder	Gold	Front Mount				
523-903-499J-51P	903-499J-51P	C	PCB Jack	Gold	Vertical Bulkhead, .155" Legs				
523-903-499J-51P2	903-499J-51P2	C	PCB Jack	Gold	Vertical, .155" Legs, .250" Sq. Base				
523-903-373J-51A	903-373J-51A	D	PCB Jack	Gold	Right Angle, .155" Legs, .312" Base				
523-903-413J-51A	903-413J-51A	E	PCB Jack	Gold	Right Angle Bulkhead, .155" Legs				

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° to 85°C (TFE Insulators)
- Voltage Rating: 335 Volts Peak
- Mating: 3/8-24 Threaded Coupling
- Teflon insulators

For quantities of 500 and up, 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				
523-81-115N-1000	81-115N-1000	G	Crimp-Crimp	Nickel/Gold	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A				
Receptacles									
523-81-116	81-116	H	Crimp-Crimp	Nickel/Tin-Lead	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A				
523-81-120	81-120	I	Solder Cup	Nickel/Gold	Straight Rear Mount Bulkhead .125" Max Panel Thickness				

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. 5000 V peak with Teflon insulators allows for high temperature applications.

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

For quantities of 500 and up, 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					
Receptacles									
523-82-5590-RFX	82-5590-RFX	K	Solder Cup	Bulkhead, Front Mount, .295" Panel					

CRIMP TOOLS WITH DIE SETS

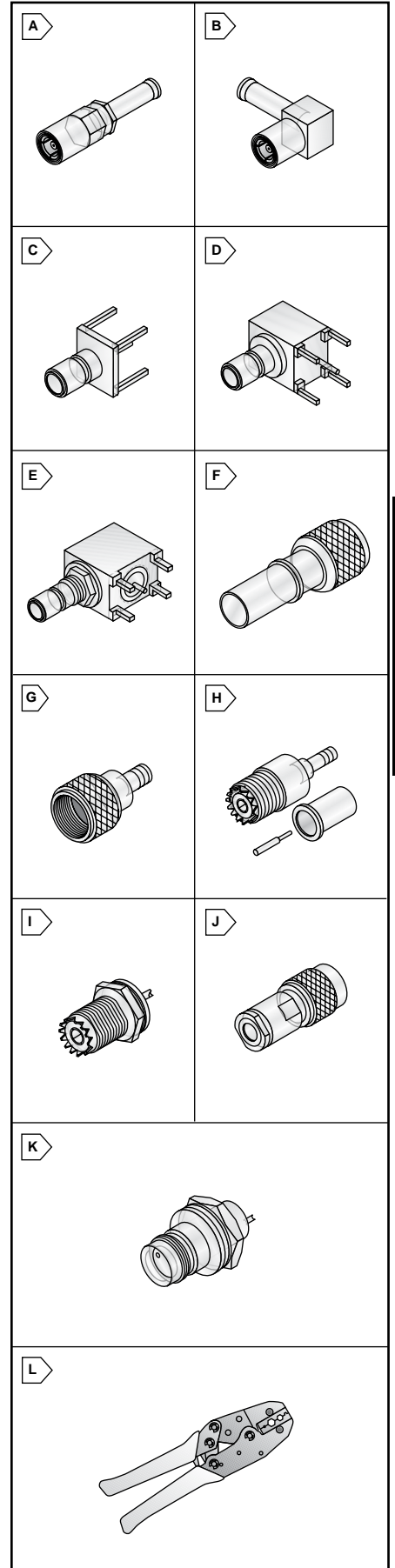
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Groups	Die Cavities	Price Each
523-47-10150	47-10150	L	RG 174/ 188/ 316/ 179/ 187/ 180/ 195/ 178/ 196	.178 / .128 / .068	
523-47-10070	47-10070	L	RG 55/ 58/ 59/ 62/ 141/ 142/ 223/ 303/ 400	.255 / .213 / .068	
523-47-10180	47-10180	L	5 Cavity RG 58/ 59 N, BNC, TNC, SMA	.255 / .213/ .100/ .068/ .052	
523-47-10090	47-10090	L	RG 8/ 11/ 213/ 214	.429 / .100/ .08	
523-47-10160	47-10160	L	.151 HEX 316/ 179/ Double Braid	.151 / .178 / .213	
523-47-10110	47-10110	L	RG6/ 59/ B8281	.324 / .255 / .068 / .042	
523-47-10210	47-10210	L	LMR 400/ B9913/ B9914/ B7810	.429/ .118	
523-47-10270	47-10270	L	BNC/ TNC, .042 Center Contact, .068 Center Contact	.178/ .128, .068, .042	

CTL CRIMP TOOLS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Connector Types	Cable Type	Price Each
523-CTL-1	CTL-1	L	BNC, TNC 3-Piece	55, 58, 59, 62, 140, 141, 142, 210, 223, 303, 400, Belden 9258, 9259, 9907, 8990, Plenum 59 and 62	
523-CTL-2 523-CTL3	CTL-2 CTL3	L L	BNC, TNC 3-Piece N 3-Piece	6, Plenum 58, 174, 179, 187, 188, 316, Belden 8281 8, 11, 55, 58, 141, 142, 149, 213, 214, 223, 225, 303, 393, 400, Ethernet Cables	
523-CTL4 523-CTL5	CTL4 CTL5	L	Twinax Center Contacts BNC, TNC, Mini-UHF, N	Belden 8227, 9207, 89207, IBM 7362211 Twinax Cable 55, 58, 59, 62, 140, 141, 142, 210, 223, 303, 400, Belden 9258, 9259, 9907, 89907, Plenum 59 and 62	
523-CTL-6 523-CTL-8 523-CTL-9	CTL-6 CTL-8 CTL-9	L L L	BNC, TNC 3-Piece BNC, TNC 3-Piece SMA	59, 62, 174, Plenum 59, Plenum 62 6, 59, 62, Plenum 59, Plenum 62 174, 188, 180, 360	
523-CTL-11 523-CTL13 523-CTL-15	CTL-11 CTL13 CTL-15	L L L	Type N 3-Piece MMCX, SMA, SMB MMCX, 75 ohm	Belden 9913, 9914, LMR 400, 7810A 174, 178, 188, 196, 316, RD-316 Belden 735A, 821B	



RF Connectors Amphenol