AMPHENOL AMC CONNECTORS

Connectors for use in applications with 50Ω impedance requirements. AMC connectors are low profile (2.5mm off the board) and offer an extremely small board footprint (3mm x 3mm).

Features:
- Easy snap-on / snap-off mating
- Ultra low-profile (2.5mm mating height)
- Small footprint (3mm x 3mm)
- 100% Compatible with Hirose U.FL series ✻✻

Specifications:
- Impedance: 50 Ohm
- Frequency Range: 0-6 GHz
- V.S.W.R.: 1.3 max DC to 3 GHz, 1.4 max 3 to 6 GHz
- Temperature Range: - 40°C to +90°C
- Durability: 30 cycles
- Mating Female contact holding force: 0.15 N min
- Body Material: Silver over Phosphor Bronze

Applications:
- WLAN
- Bluetooth
- PDA
- Notebook computers
- GPS
- Portable Devices
- Remote Measuring Equipment

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MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each 1	10	25	100	500
Receptacles								
523-A-1JA-CR ✻	A-1JA-CR	A	Straight SMT Plug Receptacle (Cut Reel)	.89	.73	.64	.54	.48
Adapters								
523-31-6101	31-6101	B	AMC Plug to TNC-RP Jack, 2 Hole Flange	11.39	10.40	9.41	8.91	6.93
523-31-6109	31-6109	C	AMC Plug to BNC -RP Jack, Bulkhead Front Mount	8.53	7.79	7.05	5.57	5.19
523-31-6112	31-6112	D	AMC Plug to TNC -RP Jack, Bulkhead front Mount	11.36	10.37	9.39	7.41	6.42
523-901-10097	901-10097	E	AMC Plug to SMA-RP Jack, Bulkhead Rear Mount	9.94	9.07	8.21	7.78	6.48
Cable Assemblies								
523-A-1PA-113-100G2	A-1PA-113-100G2	F	100 mm, Right Angle Plug Jumper, Gray Cable	2.85	2.60	2.36	1.98	1.68
523-A-1PA-113-125W2	A-1PA-113-125W2	F	125 mm, Right Angle Plug Jumper, White Cable	2.99	2.73	2.47	2.08	1.82
523-A-1PA-113-150B2	A-1PA-113-150B2	F	150 mm, Right Angle Plug Jumper, Black Cable	2.99	2.73	2.47	2.08	1.82
523-A-1PA-113-300B2	A-1PA-113-300B2	F	300 mm, Right Angle Plug Jumper, Black Cable	3.15	2.88	2.60	2.19	1.92

✻ For full reel, call for quote.

AMPHENOL QMA CONNECTORS

QMA is a quick disconnect version of the SMA connector. Instead of using a threaded coupling mechanism, a new snap-lock mechanism is used.

Features:
- Operates at the same electrical performance as SMA
- Snap-on interface for quick and easy installation (can be installed 10x faster that SMA)
- Snap-Lock mechanism removes requirement for wrench clearance, allowing for denser packaging
- Rotatable 360° after connection

Specifications:
- Impedance: 50 Ohm
- Frequency Range: 0-6 GHz
- V.S.W.R.: 1.05 max DC to 3 GHz, 1.12 max 3 to 6 GHz
- Temperature Range: - 40°C to +80°C
- Body Material: White Bronze over Brass
- Durability: 100 cycles
- Power Handling: 125W at 40°C

Applications:
- Base Stations
- Instrumentation
- Process Controls
- Cable Assemblies
- Mil/Aero
- Telecom
- Components
- PC/LAN

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description / Cable Type	Crimp Tool	Price Each 1	10	25	100	500
Plugs									
523-930-119P-51S	930-119P-51S	G	Straight Solder Plug, .086 Semi-Rigid	-	7.26	6.53	6.17	5.90	5.66
523-930-108P-51S	930-108P-51S	G	Straight Solder Plug, .141 Semi-Rigid	-	7.26	6.53	6.17	5.90	5.66
523-930-120P-51S	930-120P-51S	G	Straight Crimp Plug, RG-58	CTL-1	7.40	6.66	6.29	6.05	5.81
523-930-129P-51S	930-129P-51S	G	Straight Crimp Plug, RG-316	CTL-9	7.40	6.66	6.29	6.05	5.81
523-930-115P-51S	930-115P-51S	G	Straight Crimp Plug, RG-316DB	CTL-13	7.40	6.66	6.29	6.05	5.81
523-930-104P-51A	930-104P-51A	H	Right Angle Solder Plug, .086 Semi-Rigid	-	8.06	7.25	6.85	6.54	6.28
523-930-103P-51A	930-103P-51A	H	Right Angle Solder Plug, .141 Semi-Rigid	-	8.06	7.25	6.85	6.54	6.28
523-930-110P-51A	930-110P-51A	H	Right Angle Crimp Plug, RG-58	CTL-1	8.18	7.36	6.95	6.64	6.39
523-930-118P-51A	930-118P-51A	H	Right Angle Crimp Plug, RG-316	CTL-9	8.18	7.36	6.95	6.64	6.39
523-930-114P-51A	930-114P-51A	H	Right Angle Crimp Plug, RG-316DB	CTL-13	8.18	7.36	6.95	6.64	6.39
PCB Jacks									
523-930-128J-51P	930-128J-51P	I	Right Angle Jack	-	8.28	7.45	7.04	6.62	6.36
523-930-116J-51P	930-116J-51P	J	Straight Jack Thru-Hole, .158" Legs	-	6.84	6.16	5.81	5.47	5.25
523-930-107J-51P	930-107J-51P	K	Straight Jack Surface Mount Thru-Hole	-	5.64	5.08	4.79	4.51	4.33
Adapters									
523-930-100A-51S	930-100A-51S	L	QMA Jack to SMA Jack	-	54.40	48.96	46.24	43.52	Call
523-930-101A-51S	930-101A-51S	M	QMA Plug to SMA Jack	-	61.90	55.71	52.62	49.52	Call
523-930-130A-51S	930-130A-51S	N	QMA Plug to SMA Plug	-	68.64	61.78	58.34	54.91	Call
523-930-131A-51S	930-131A-51S	O	QMA Jack to SMA Plug	-	66.40	59.76	56.44	53.12	Call

AMPHENOL SMP CONNECTORS

The SMP interface is a subminiature interface in the same scale as MMCX connectors but offers a frequency range of DC to 40GHz. It is commonly used in miniaturized high frequency coaxial modules and is offered in both push-on and snap-on mating styles.

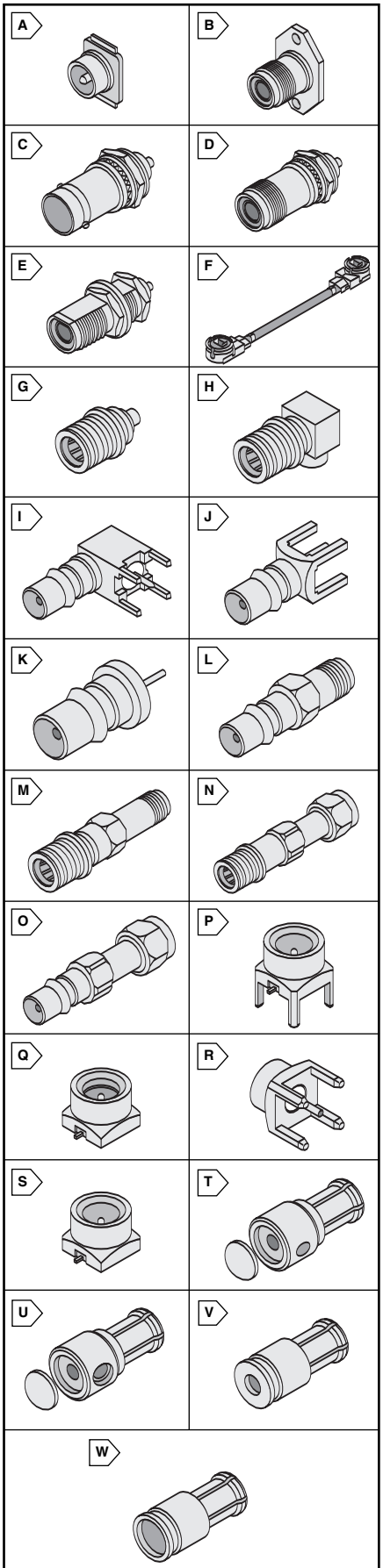
Features:
- RF performance DC to 40GHz
- Designed to accommodate both radical and axial misalignment
- Push-on and Snap-on mating styles for quick installation

Specifications:
- Impedance: 50 Ω
- V.S.W.R: 1.50 max 0-20 GHz
- Temperature Range -65°C to +155°C
- Contacts: Gold-plated brass, Gold plated beryllium copper
- Mating Cycles: 100 with full detent, 500 with limited detent
- Body Material: Gold plated brass, Gold Plated beryllium copper

Applications:
- Aerospace
- Routers
- Broadband
- Board to Board Interconnect
- Telecom
- Instrumentation
- Phased array antennas

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description / Cable	Termination	Price Each 1	10	25
Plugs							
523-SMP-MSLD-PCT	SMP-MSLD-PCT	P	Straight PCB Plug, Thru-Hole, Limited Detent	PCB Mount	10.68	9.62	9.14
523-SMP-MSLD-PCS	SMP-MSLD-PCS	Q	Straight PCB Plug, SMT, Limited Detent	PCB Mount	10.68	9.62	9.14
523-SMP-MSSB-PCT	SMP-MSSB-PCT	R	Straight PCB Plug, Thru-Hole, Smooth Bore	PCB Mount	10.68	9.62	9.14
523-SMP-MSSB-PCS	SMP-MSSB-PCS	S	Straight PCB Plug, SMT, Smooth Bore	PCB Mount	10.68	9.62	9.14
Jacks							
523-SMP-FR-C06	SMP-FR-C06	T	Right Angle Cable Jack to .047 Semi-Rigid	Solder / Solder	11.71	10.54	10.02
523-SMP-FR-C07	SMP-FR-C07	U	Right Angle Cable Jack to RG 405, .086 Semi-Rigid	Solder / Solder	11.71	10.54	10.02
523-SMP-FS-C06	SMP-FS-C06	V	Straight Cable Jack to .047 Semi-Rigid	Solder / Solder	11.71	10.54	10.02
523-SMP-FS-C07	SMP-FS-C07	W	Straight Cable Jack to RG 405, .086 Semi-Rigid	Solder / Solder	11.71	10.54	10.02



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