samtec

MCX
Cable Assemblies
RF174, RF178, RF316, RS316

SERIES	–	END 1 CONNECTOR	–	END 2 CONNECTOR	–	OVERALL LENGTH

RF174
= RG 174 Cable

RF178
= RG 178 Cable

RF316
= RG 316 Cable, Single Braid Shield

RS316
= RG 316 Cable, Double Shielded

–02SJ1
= MCX Straight Jack

–02RP1
= MCX Right-angle Plug (RS316 not available)

–02SP1
= MCX Straight Plug

–"XXXX"
= Overall Length in millimeters

–0100 (100 mm) 3.94" minimum

ALSO AVAILABLE

50 Ω: MMCX, SMA, SMB, BNC, TNC,

N Type = RF174, RF178, RF316

50 Ω: MMCX, SMA, BNC, TNC = RS316

MCX
Cable Connectors
MCX-CA

Supplied with pins and ferrules.
See website for dimensions.

CONNECTORS FOR INDUSTRY STANDARD CABLES	
MCX-J-C-H-ST-CA1	RG 174/316 Cable
MCX-J-C-H-ST-CA2	RG 178 Cable
MCX-J-C-HF-ST-CA1S	RG 316 Double Shielded Cable
MCX-P-C-H-ST-CA1	RG 174/316 Cable
MCX-P-C-H-ST-CA2	RG 178 Cable
MCX-P-C-HF-ST-CA1S	RG 316 Double Shielded Cable
MCX-P-C-H-RA-CA1	RG 174/316 Cable
MCX-P-C-H-RA-CA2	RG 178 Cable

P-C = Cable Plug
J-C = Cable Jack
H or HF = Plating (30 µ" Gold center contact, 3 µ" Gold outer contact)
ST = Straight
RA = Right-angle

TYPE (-RA)	A	B
–P–CA1	(7.78) .306	(9.50) .374
–P–CA2	(8.58) .338	(10.00) .394

TYPE (-ST)	E	F
–J–CA1	(4.50) .177	(15.50) .610
–J–CA2	(4.78) .188	(15.00) .591
–J–CA1S	(4.50) .177	(15.50) .610

(5.00) .197 SQ   (3.70) .146 DIA   A   B

-RA

(4.80) .189 DIA   (15.70) .618   (3.73) .146

-P-ST

F   E

J-ST
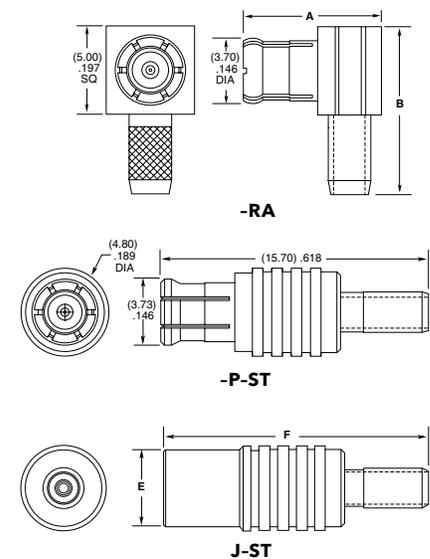
MCX
Board Connectors
MCX-TH, MCX-SM, MCX-EM, MCX-MT

Cable Mates:
RF174, RF178, RF316, RS316, GRF1H-C, IJ5H

MCX	–	GENDER	–	TYPE	–	PLATING	–	ORIENTATION	–	TERMINATION

–J
= Jack

–P
= Plug

–P
= PCB Mount

–H
= 30 µ" (0.76 µm) Gold center contact, 3 µ" (0.08 µm) Gold outer contact

–ST
= Straight

–RA
= Right-angle

–TH1
= Through-hole (–ST plug not available)

–TH2
= Elevated Through-hole (–ST plug only)

–SM1
= Surface Mount (Jack only)

–EM1
= Edge Mount (–ST Jack only)

–MT1
= Mixed Technology (–ST Jack only)

(3.45) .136 DIA   (5.88) .231

(4.50) .177 DIA   (6.00) .236

-ST-SM1 (Jack)

(6.00) .236   (10.60) .417   (6.50) .256   (3.76) .148 DIA   (9.50) .374
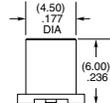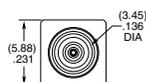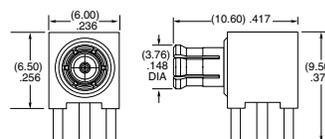
-RA-TH1 (Plug)

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Largest Supplier of Electrical and Electronic Components

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