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

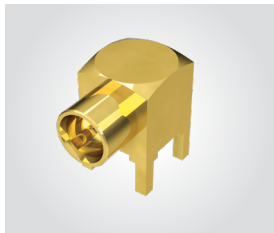50 Ω: MMCX, SMA, SMB, BNC, TNC,

N Type = RF174, RF178, RF316

50 Ω: MMCX, SMA, BNC, TNC = RS316

MCX
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
(6.50) .256
(10.60) .417
(3.76) .148 DIA
(9.50) .374

-RA-TH1 (Plug)

MCX
Cable Connectors
MCX-CA

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

*Add "–B" to the end of the part number for bulk packaging

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

-RA

(4.80) .189 DIA

F
E

J-ST

(15.70) .618
(3.73) .146

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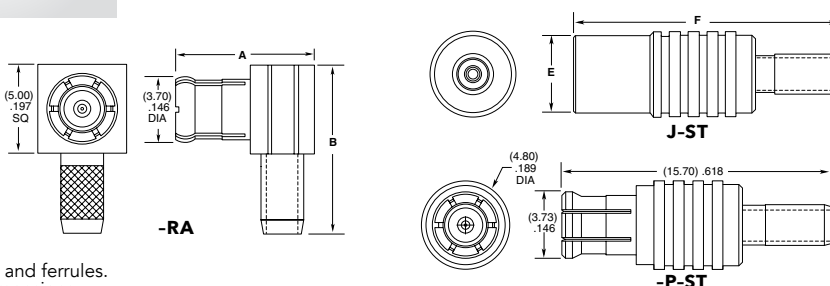
TYPE (-RA)	A	B
–P–CA1	(7.78) .306	(9.50) .374
–P–CA2	(8.58) .338	(10.00) .394

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

Supplied with pins and ferrules.
See website for dimensions.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec](#):

MCX-J-P-H-RA-TH1 MCX-P-C-H-RA-CA2 MCX-P-C-H-ST-CA1 MCX-P-C-H-RA-CA1 MCX-P-P-H-ST-TH2 MCX-P-P-H-RA-TH1 MCX-J-P-H-ST-EM1 MCX-J-P-H-ST-SM1-TR MCX-J-P-H-ST-SM1 MCX-J-C-H-ST-CA1 MCX-J-P-H-RA-SM1 MCX-J-P-H-ST-MT1 MCX-J-P-H-ST-TH1 MCX-P-C-H-ST-CA2