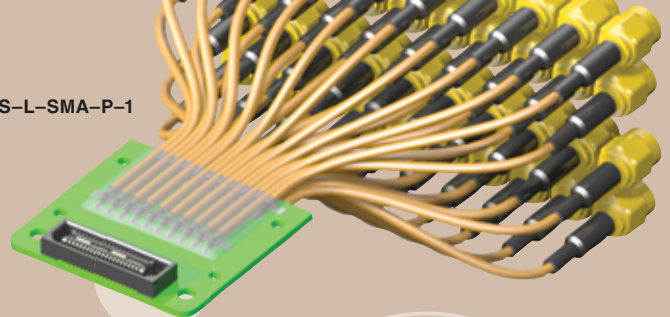


EQRF-020-0152-S-L-SMA-P-1



HIGH SPEED COAX CABLE EQRF SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?EQRF

Connectors:

Q Series®:
See QTE or QSE Series
RF:
See SMA, MXCX or MMCX Series
RoHS Compliant:
Yes

RG 178 Cable:

Impedance: 50Ω
Capacitance: 89.61pF/meter
Propagation Delay: 4.83 nsec/meter
Max Attenuation (cable only): 1.71dB @ 1GHz for 1 meter
Conductor Size: 30 AWG, (0,31mm) .012" dia.
Conductor Material: Silver Plated Copper
Conductor Resistance: 0.34Ω/meter max
Current Rating: 3A
Insulator Diameter: (0,86mm) .034"
Insulator Material: PTFE
Dielectric Constant: 2.1dK
Shield Material: Silver Plated Copper Clad Steel
Jacket Material: FEP
Jacket Diameter: (1,80mm) .071"
Jacket Temp Rating: -50°C to +250°C
Jacket Color: Amber
RoHS Compliant:
Yes

RG 316 Cable:

Impedance: 50Ω
Capacitance: 96.432pF/meter
Propagation Delay: 4.83 nsec/meter
Max Attenuation (cable only): 1.25dB @ 1GHz for 1 meter
Conductor Size: 26 AWG, (0,51mm) .020" dia.
Conductor Material: Silver Plated Copper
Conductor Resistance: 0.13Ω/meter max
Current Rating: 5A
Insulator Diameter: (1,52mm) .060"
Insulator Material: PTFE
Dielectric Constant: 2.1dK
Shield Material: Silver Plated Copper Clad Steel
Jacket Material: FEP
Jacket Diameter: (2,54mm) .100"
Jacket Temp Rating: -50°C to +250°C
Jacket Color: Amber
RoHS Compliant:
Yes

Note: Some lengths, styles and options are non-standard, non-returnable.

Mates with:
QTE, QSE,
MMCX, MCX, SMA



0,80mm pitch

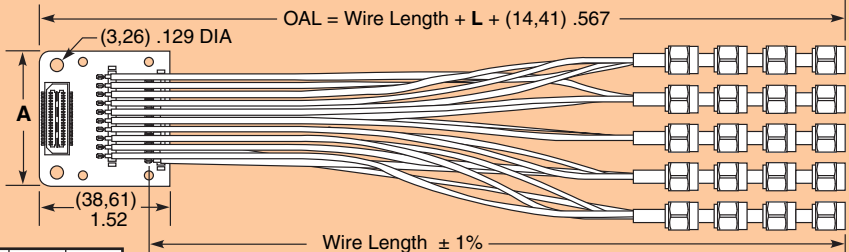
Vertical or Edge Mount orientation



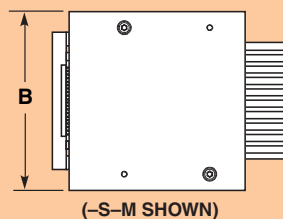
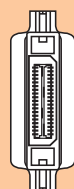
-020, -040
(40 Positions Per Bank)

— "XXXX"
= Wire Length in millimeters
0152mm (06.00") MIN

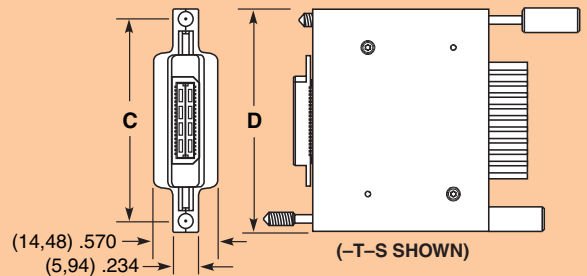
GENDER/ORIENTATION	L
-S-S & -S-M	(20,88) .822
-T-S & -T-M	(21,64) .852
-SL & -TL	(17,35) .683
-SR & -TR	.683



NO. OF POSITIONS	A	B	C	D
40	(39,69) 1.563	(40,61) 1.599	(45,47) 1.790	(50,76) 1.999
80	(65,60) 2.583	(66,52) 2.619	(71,37) 2.810	(76,67) 3.019



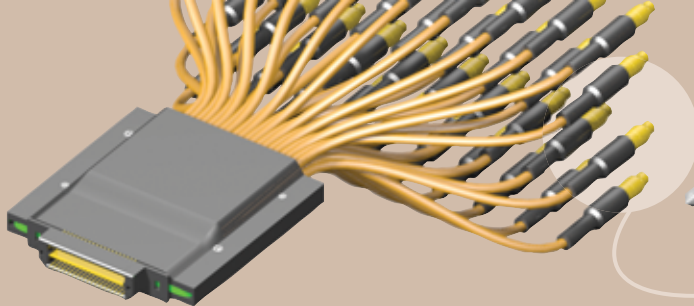
(-S-M SHOWN)



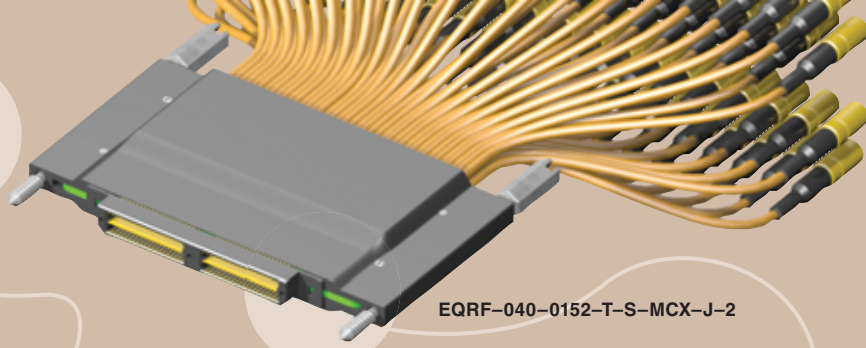
(-T-S SHOWN)

Due to technical progress, all designs, specifications and components are subject to change without notice.

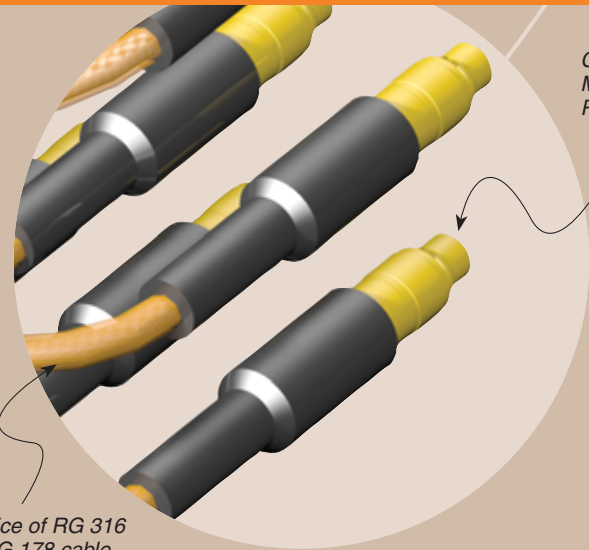
WWW.SAMTEC.COM



EQRF-020-0152-T-S-MMCX-P-1

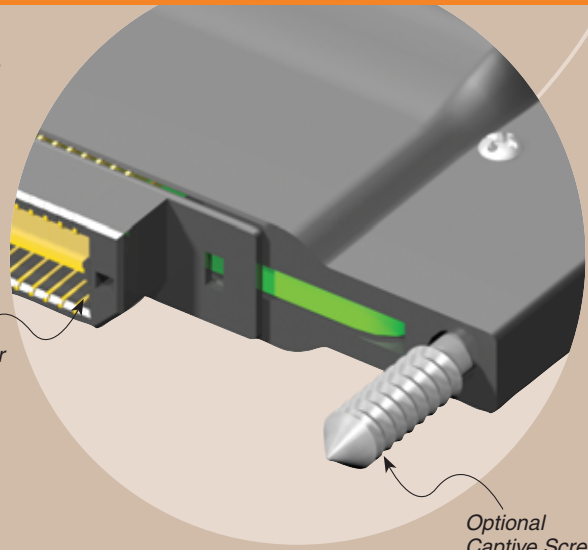


EQRF-040-0152-T-S-MCX-J-2



Choice of SMA, MCX or MMCX RF termination

Choice of RG 316 or RG 178 cable



Socket or Terminal

Optional Captive Screws

Q SERIES® GENDER

- T = Terminal
- S = Socket

Q SERIES® ORIENTATION

- M = Edge Mount
- S = Edge Mount with Captive Screws
- R = Surface Mount, Notch Right
- L = Surface Mount, Notch Left

RF CONNECTOR

- MMCX = RF Plug
- MCX = RF Jack or Plug
- SMA = RF Jack or Plug

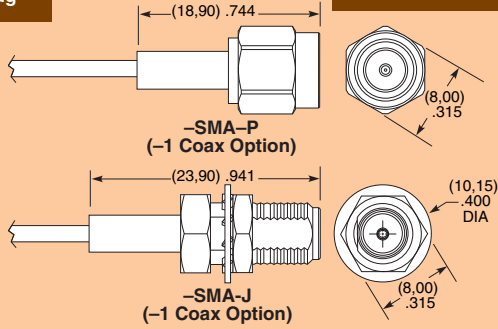
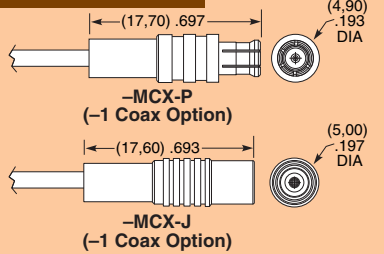
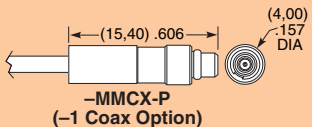
RF GENDER

- P = Plug
- J = Jack (MCX & SMA only)

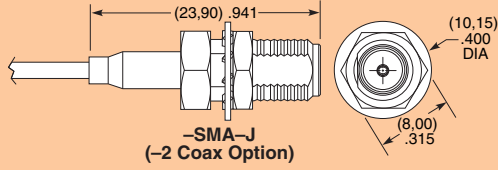
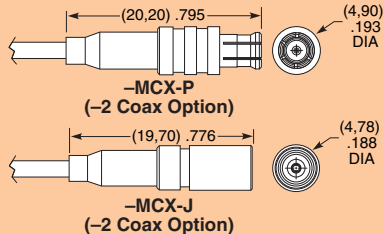
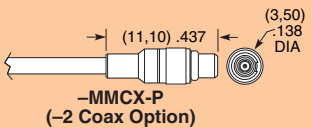
COAX CABLE

- 1 = RG 316
 - 2 = RG 178
- (See RF Connector Type for Availability)

RG 316 Cable Options



RG 178 Cable Options



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