

SMA TO 26.5 GHz

SMA Cable Assemblies

RF047-A, RF086,
RF23C, RF25S, RF402,
RF405, RF180, RF280



VSWR

RF047-A: 1.30 max.
RF086: 1.30 max.
RF23C: 1.30 max.
RF180: 1.35 max.
RF280: 1.35 max.

Additional connector
options available.
Contact RFGroup@samtec.com

SERIES

RF047-A

= (1.2 mm) .047" overshield DIA
29 AWG millimeter wave cable

RF086

= (2.18 mm) .086" overshield DIA
23 AWG millimeter wave cable

RF23C

= MCW-2350CU-01 millimeter
wave cable with copper foil shield

RF25S

= MWC-2550-01 microwave cable
with 25 AWG solid FEP dielectric

RF402

= RG 402 (.141") 19 AWG
semi-flexible microwave cable

RF405

= RG 405 (.086") 24 AWG
semi-flexible microwave cable

RF180

= (4.52 mm) .178" overshield DIA,
16 AWG microwave cable

RF280

= (7 mm) .277" overshield DIA,
11 AWG microwave cable

END 1 CONNECTOR

-01SP1*

= SMA Straight Plug

-01RP1*

= SMA Right-angle Plug
(RF047-A, RF086, RF23C & RF25S not available)

-01BJ1*

= SMA Bulkhead Jack
(RF402 & RF405 not available)

-01SB

= Straight Bulkhead Jack, Sealed
(RF047-A, RF086 & RF23C only)

*Remove last "1" from end connector
when specifying RF047-A, RF086,
RF23C, RF180 & RF280.

OVERALL LENGTH

- "XXXX"

= Overall Length in millimeters

-0100 (100 mm) 3.94" minimum
(RF047-A, RF086, RF25S,
RF402, & RF405)

-0152 (152 mm) 5.984" minimum
(RF23C & RF180)

-0200 (200 mm) 7.87" minimum
(RF280)

ALSO AVAILABLE

1.00 mm, 1.35 mm, 1.85 mm, 2.40 mm,
2.92 mm, SMPM, SMP = RF047-A

1.85 mm, 2.40 mm, 2.92 mm,
SMPM, SMP = RF086

2.40 mm, 2.92 mm, SMPM, SMP = RF23C

SMP = RF25S, RF405

TNCA, N Type = RF180

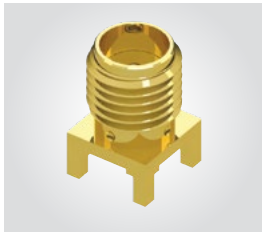
TNCA, N Type = RF280

SMA Board Connectors

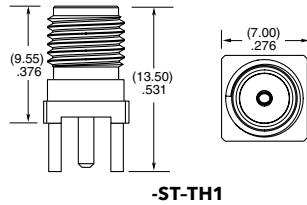
SMA-TH, SMA-SM,
SMA-MT, SMA-EM

Cable Mates:

RF047-A, RF086,
RF23C, RF25S, RF402,
RF405, RF180, RF280



SMA	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-J = Jack	-P = PCB Mount	-H = 30 μ " (0.76 μ m) Gold center contact, 3 μ " (0.08 μ m) Gold outer contact	-ST = Straight -RA = Right-angle	-TH1 = Through-hole -SM1 = Surface Mount (-GF-RA only) -EM1 = Edge Mount (-ST only) -EM3 = Drop-in Edge Mount (-ST only) -MT1 = Mixed Technology (-ST only)
			-GF = 10 μ " (0.25 μ m) Gold center contact, 3 μ " (0.08 μ m) Gold outer contact (-SM1 only)		



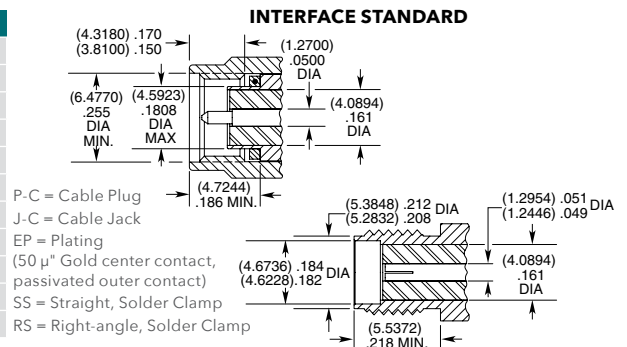
SMA Cable Connectors

PRF01



CONNECTORS FOR INDUSTRY STANDARD CABLES

PRF01-P-C-EP-120C-SS	Harbour LL120
PRF01-J-C-EP-142-SS	Harbour LL142
PRF01-P-C-EP-142-SS	Harbour LL142
PRF01-P-C-EP-142-RS	Harbour LL142
PRF01-P-C-EP-142A-SS	Harbour SB142
PRF01-P-C-EP-335-SS	Harbour LL335
PRF01-P-C-EP-335A-SS	Harbour LL335i
PRF01-P-C-EP-190-SS	Semflex HP190
PRF01-P-C-EP-190-RS	Semflex HP190
PRF01-P-C-EP-305-SS	Semflex HP305
PRF01-P-C-EP-290-SS	Semflex LA290



P-C = Cable Plug
J-C = Cable Jack
EP = Plating
(50 μ " Gold center contact,
passivated outer contact)
SS = Straight, Solder Clamp
RS = Right-angle, Solder Clamp

For a complete list of SMA cable connectors, visit www.samtec.com?PRF01

Mouser Electronics

Authorized Distributor

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

Samtec:

[SMA-J-P-H-RA-TH1](#) [SMA-J-P-H-ST-TH1](#) [SMA-J-P-H-ST-EM1](#) [SMA-J-P-H-ST-PN4](#) [SMA-J-P-GF-RA-SM1](#) [SMA-J-P-H-ST-EM3](#) [SMA-J-P-H-ST-PN2](#) [SMA-J-P-H-ST-MT1](#) [SMA-P-C-H-RA-CA1](#) [SMA-P-C-HF-ST-CA1S](#) [SMA-P-C-HF-ST-CA9](#) [SMA-P-C-HF-RA-CA7](#) [SMA-P-C-HF-ST-CA7](#) [SMA-P-C-HF-RA-CA9](#) [SMA-P-C-H-ST-C10](#) [SMA-J-C-H-ST-BH1](#) [SMA-J-C-H-ST-BH2](#) [SMA-J-C-H-ST-BH4](#) [SMA-P-C-H-ST-CA5](#) [SMA-J-C-H-ST-BR1](#) [SMA-P-P-H-ST-TH1](#) [SMA-J-C-H-ST-BH3](#) [SMA-J-C-H-ST-BH5](#) [SMA-J-C4-H-ST-PN1](#) [SMA-J-C-H-ST-SB3](#) [SMA-J-C4-GF-ST-PN1](#) [SMA-J-C-H-ST-S10](#) [SMA-J-C-GF-ST-S10](#) [SMA-J-C-H-ST-SB1](#)