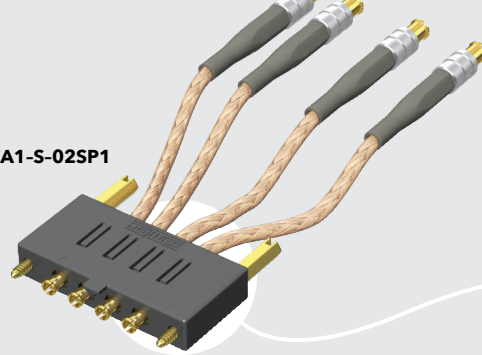


(5.00 mm) .197"

GRF1H-4-0300-1-CA1-S-02SP1



50 Ω HYBRID MICRO-MINI RF CABLE

SPECIFICATIONS

For complete specifications see
www.samtec.com?GRF1H-C

RF Connector:

Shell Material:

Brass
(GRF, SMA, MCX, MMCX,
SMB, BNC)

Insulator Material:

PTFE

Contact Material:

Brass
(GRF, SMA, MCX, MMCX,
SMB-J, BNC-P, TNC-P)
Phosphor Bronze
(SMB-P-ST, TNC-J, N Type)
BeCu
(SMB-P-RA)
Copper Alloy
(BNC-J)

Operating Temp Range:

-40 °C to +90 °C

Impedance:

50 Ω

RoHS Compliant:

Yes

RG 316 Cable:

Impedance:

50 Ω

Capacitance:

96.432 pF/meter

Propagation Delay:

4.83 nsec/meter

Max Attenuation

(cable only):

1.25 dB @ 1 GHz for 1 meter

Conductor Size:

26 AWG,
(0.51 mm) .020" dia.

Conductor Material:

Silver & Copper Plated Steel

Insulator Material:

PTFE

Shield Material:

Silver Plated Copper

Jacket Material:

FEP

Jacket Diameter:

(2.54 mm) .100"

Jacket Color:

Amber

Bend Radius:

12.8 mm

RoHS Compliant:

Yes

Mates with:

GRF1-J

End 2 Mates:

SMA, MCX, SMB5,
BNC5, TNC, N TYPE

High-performance
26 AWG RG 316
coax cable

2, 4, 6 or 8
Positions

MMCX-Scale
Connectors

Optional Captive
Panel Screws

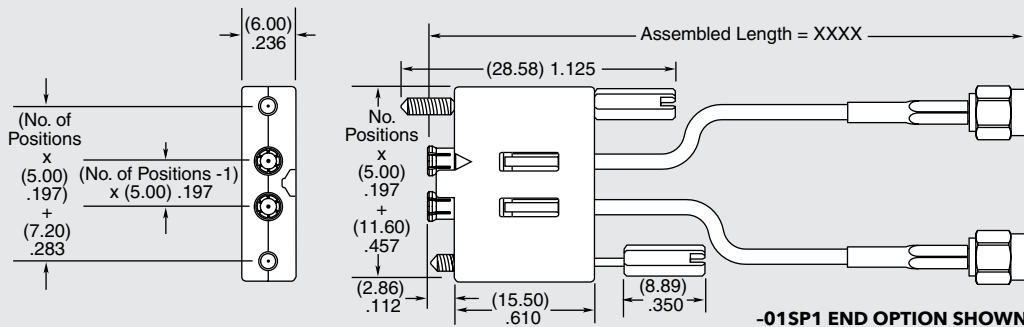
GRF1H

NO. OF
POSITIONSASSEMBLED
LENGTH

-2, -4, -6, -8

- "XXXX"

= Assembled Length in millimeters
-0100 (0100 mm) 3.94" minimum



-01SP1 END OPTION SHOWN

RECOGNITIONS

For complete scope of
recognitions see
www.samtec.com/quality

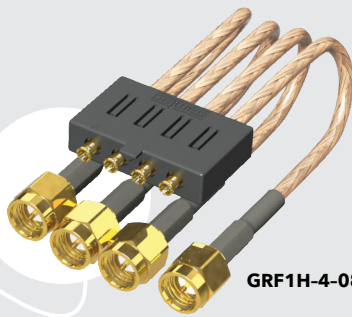


Notes:

Cable lengths longer than
40.00" (1 meter) are not
supported with S.I. test data.

This series is non-standard,
non-returnable.

END OPTIONS		END OPTIONS	
-01SP1 = SMA Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)		-07SP1 = SMB Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-01RP1 = SMA Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)		-07RP1 = SMB Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-01PN1 = SMA Straight Panel Mount Jack (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)		-02SJ1 = MCX Straight Jack (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	



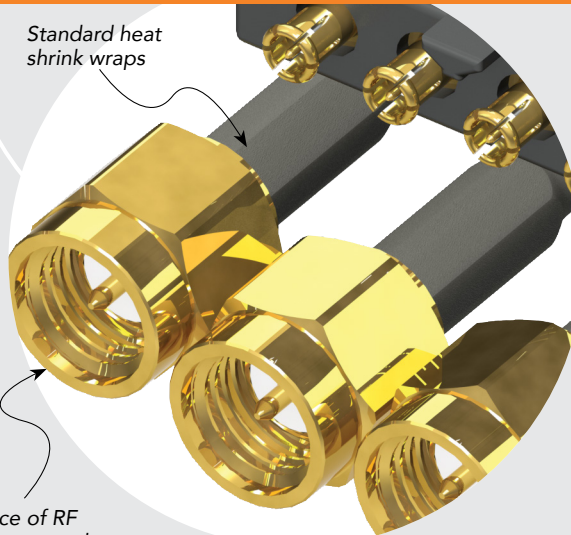
GRF1H-4-0800-1-CA1-01SP1



GRF1H-2-0500-1-CA1-S-01BJ1

GRF1H-C SERIES

Standard heat shrink wraps



Choice of RF connector styles



Variety of Bulkhead Jacks

END 1 PLATING

-1

= All Gold components

CABLE TYPE

-CA1

= RG 316 cable

SCREW OPTION

-S

= Captive Panel Screws
(Leave blank for no Screw Option)

END 2 OPTION

Specify
END OPTIONS
from chart

END OPTIONS	
-02SP1 = MCX Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-02RP1 = MCX Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-03SP1 = MMCX Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-03RP1 = MMCX Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-04SP3 = BNC Straight Plug (10 μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)	

END OPTIONS	
-05SP3 = TNC Straight Plug (10 μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)	
-01BJ1 = SMA Straight Bulkhead Jack	
-01BR1 = SMA Straight Bulkhead Jack, Reversed Polarity	
-01SB1 = SMA Straight Bulkhead Jack, Sealed	
-01SR1 = SMA Straight Bulkhead Jack, Sealed, Reversed Polarity (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	

END OPTIONS	
-07BJ1 = SMB Straight Bulkhead Jack (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-04BJ2 = BNC Straight Bulkhead Jack (30 μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)	
-05BJ3 = TNC Straight Bulkhead Jack (10 μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)	
-06BJ2 = N Type Straight Bulkhead Jack (30 μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)	