

(5.00 mm) .197"

GRF1-P-C-08-1000-C1-S-S

GRF1-P-C-04-0600-C1-S-S

GRF1-C SERIES

# 50 $\Omega$ GANGED MICRO-MINI RF CABLE

## SPECIFICATIONS

For complete specifications see  
www.samtec.com?GRF1-C

### Shell Material:

Brass

### Insulator Material:

PTFE

### Contact Material:

BeCu

### Pin Material:

Brass

### Plating:

30  $\mu$ " (0.76  $\mu$ m) Au over50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-40 °C to +90 °C

### Impedance:

50  $\Omega$ 

### RoHS Compliant:

Yes

### RG 316 Cable:

#### Impedance:

50  $\Omega$ 

#### 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 and Copper Plated Steel

#### Insulator Diameter:

(1.52 mm) .060"

#### Insulator Material:

PTFE

#### Shield Material:

Silver and Copper

#### Jacket Material:

FEP

#### Jacket Diameter:

(2.54 mm) .100"

#### Jacket Color:

Amber

#### Bend Radius:

12.8 mm

#### RoHS Compliant:

Yes

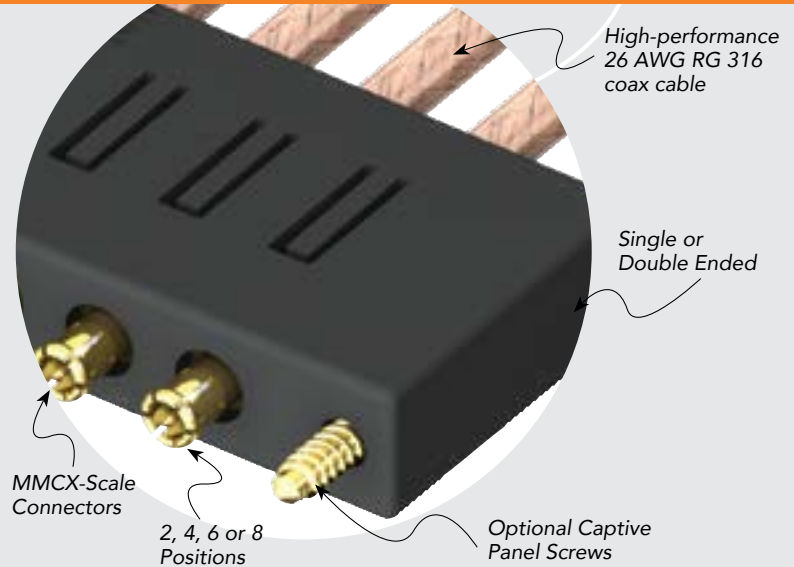
Mates with:  
GRF1-J

## TOOLING

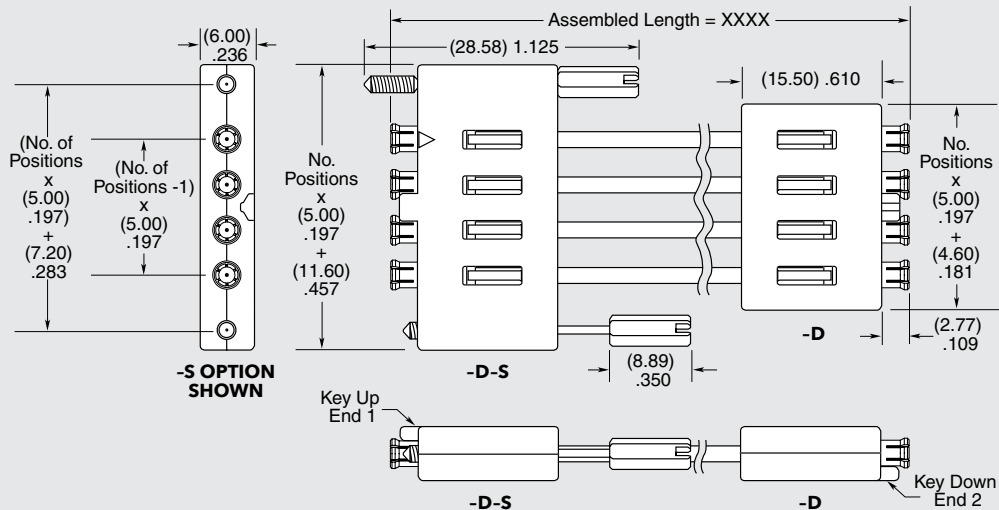
Application Tooling.  
Contact atg@samtec.com  
for more information.

## OTHER SOLUTIONS

- 50  $\Omega$  Board-to-Board system (see GRF1-J & GRF1-P Series)



| GRF1 | P | C | NO. OF POSITIONS   | ASSEMBLED LENGTH                                                                          | C1 | END OPTION                           | SCREW OPTION                                                                         |
|------|---|---|--------------------|-------------------------------------------------------------------------------------------|----|--------------------------------------|--------------------------------------------------------------------------------------|
|      |   |   |                    |                                                                                           |    |                                      |                                                                                      |
|      |   |   | -02, -04, -06, -08 | - "XXXX"<br>= Assembled Length<br>in millimeters -0100 to -1000<br>(100 mm) 3.94" minimum |    | -S<br>= Single<br><br>-D<br>= Double | -S<br>= Captive<br>Panel<br>Screws<br><br>(Leave<br>blank for<br>no Screw<br>Option) |



## 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.