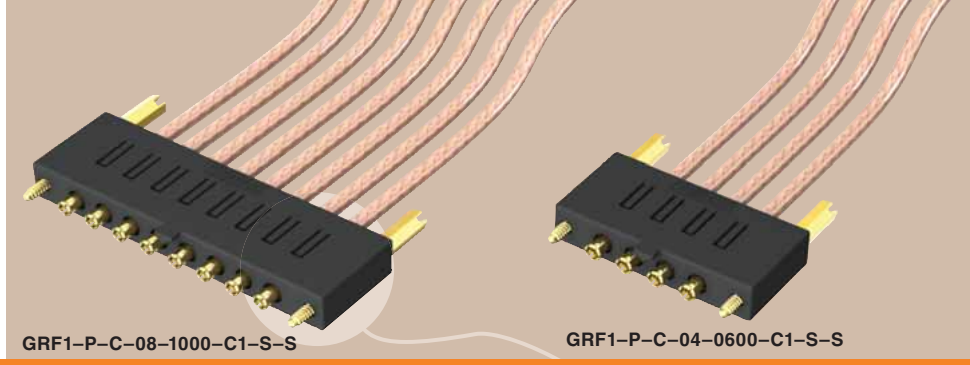
samtec

**(5,00 mm) .197"**

**GRF1-C SERIES**




# 50Ω 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:**
30µ" (0,76 µm) Au over 50µ" (1,27 µm) Ni
**Operating Temp Range:**
-40°C to +90°C
**Impedance:**
50Ω
**RoHS Compliant:**
Yes

### RG 316 Cable:

**Impedance:**
50Ω
**Capacitance:**
96.432 pF/meter
**Propagation Delay:**
4.83 nsec/meter
**Max Attenuation (cable only):**
1.25dB @ 1GHz for 1 meter
**Conductor Size:**
26 AWG, (0,51 mm) .020" dia.
**Conductor Material:**
Silver Plated Copper
**Insulator Diameter:**
(1,52 mm) .060"
**Insulator Material:**
PTFE
**Shield Material:**
Silver Plated Copper Clad Steel
**Jacket Material:**
FEP
**Jacket Diameter:**
(2,54 mm) .100"
**Jacket Color:**
Amber
**RoHS Compliant:**
Yes

## RECOGNITIONS

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

FILE NO. E111594

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

**Note:**
This Series is non-standard, non-returnable.

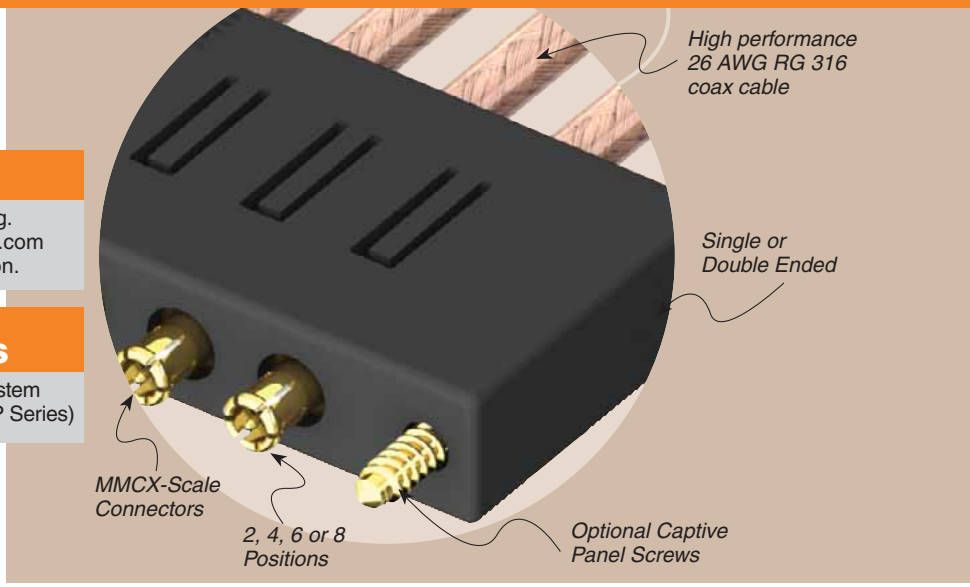
**Mates with:**
GRF1-J

## TOOLING

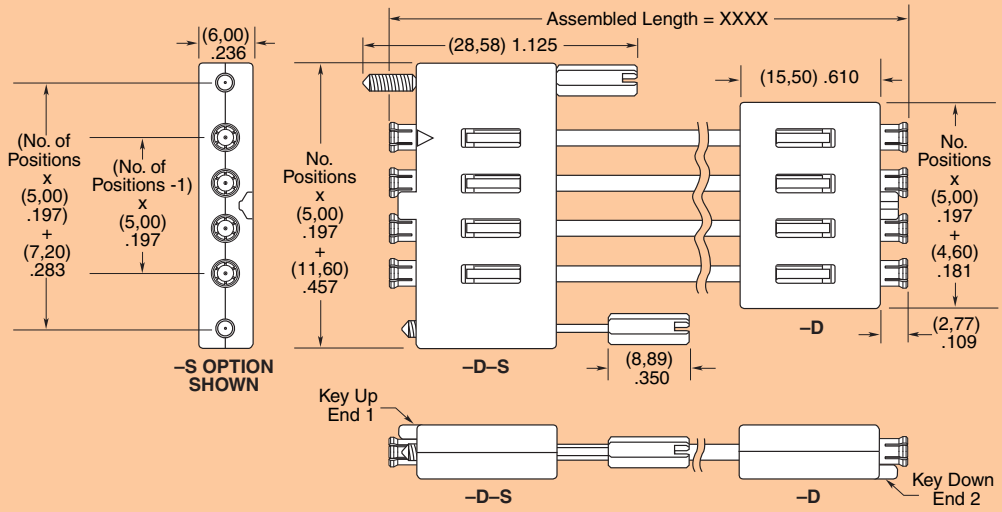
Application Tooling. Contact atg@samtec.com for more information.

## OTHER SOLUTIONS

- 50Ω 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" = Assembled Length in millimeters –0100 to –1000 (100 mm) 3.94" minimum | | –S = Single<br>–D = Double | –S = Captive Panel Screws<br>(Leave blank for no Screw Option) |




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



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