

**GRF1-C SERIES**

**(5.00 mm) .197"**

# 50 Ω GANGED MICRO-MINI RF CABLE

## SPECIFICATIONS

For complete specifications see [www.samtec.com?GRF1-C](http://www.samtec.com?GRF1-C)

- Shell Material:** Brass
- Insulator Material:** PTFE
- Contact Material:** BeCu
- Pin Material:** Brass
- Plating:** 30 μ" (0.76 μm) Au over 50 μ" (1.27 μm) Ni
- 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 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
  - Bend Radius:** 12.7 mm
  - RoHS Compliant:** Yes

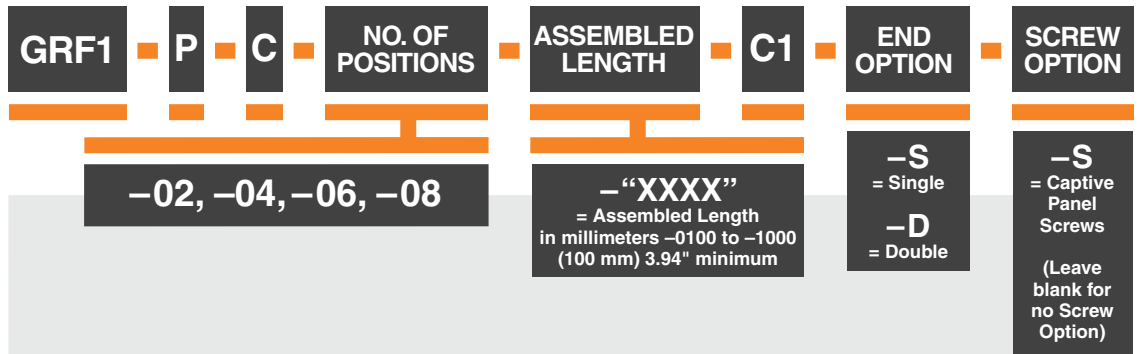
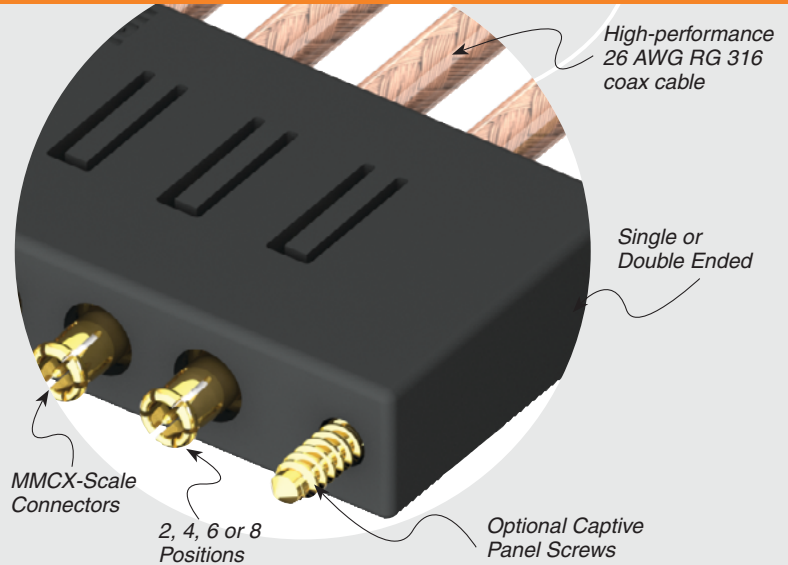
**Mates with:**  
GRF1-J

### TOOLING

Application Tooling.  
Contact [atg@samtec.com](mailto:atg@samtec.com) for more information.

### OTHER SOLUTIONS

- 50 Ω Board-to-Board system (see GRF1-J & GRF1-P Series)

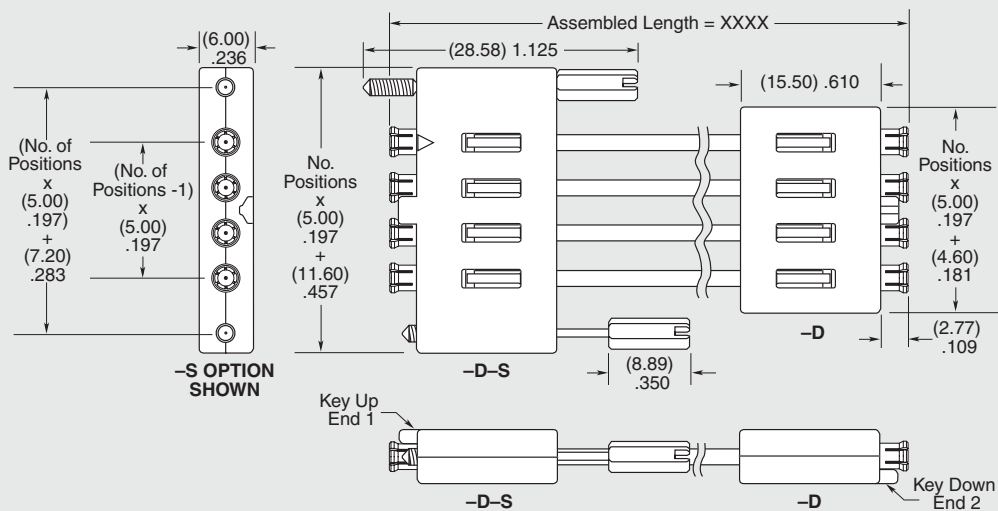


## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://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.



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