

(5.00 mm) .197"

GRF1-P-P-08-E-ST-TH1

GRF1-P-P-04-E-ST-TH1

GRF1-J-P-04-E-ST-TH1

GRF1-J-P-04-E-ST-TH1-E

GRF1-J, GRF1-P SERIES

50 Ω GANGED MICRO-MINI RF SYSTEMS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?GRF1-J or www.samtec.com?GRF1-P

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

Current Rating
(GRF1-J/GRF1-P):

Signals: 3.6 A per pin
(8 adjacent pins powered)

Grounds: 6.2 A per pin
(8 adjacent pins powered)

Operating Temp Range:
-40 °C to +90 °C

Impedance:
50 Ω

Dielectric

Withstanding Voltage:
500 Vrms, 50 Hz

Dielectric Working Voltage:
170 Vrms, 50 Hz

Frequency Range:
0~6 GHz

RoHS Compliant:
Yes

GRF1

J

P

NO. OF JACKS

PLATING

LEAD STYLE

TH1

INSERT OPTION

Mates with:

GRF1-P, GRF1-C,
GRF1H-C

-02, -04,
-06, -08

-E

= 30 μ" (0.76 μm)
Gold on Center
Conductor & Tail,
Gold Flash on
Shell and Tails

-ST

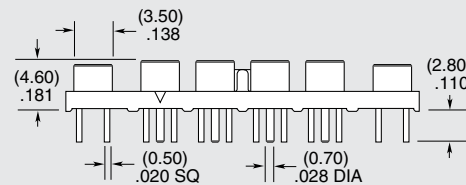
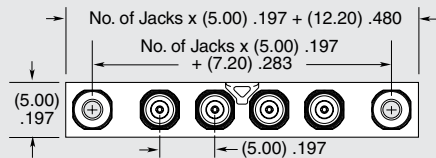
= Vertical

-RA

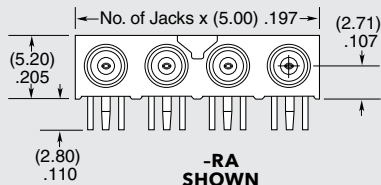
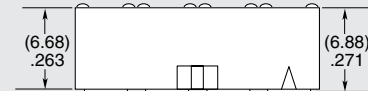
= Right-angle

-E

= #1 - 64 Through-hole
Threaded Insert,
Mates with GRF1-C with
captive screw option



-ST-TH1-E
SHOWN



-RA
SHOWN

PROCESSING

Lead-Free Solderable:

Yes

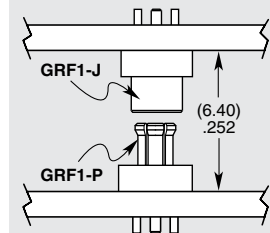
RECOGNITIONS

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



FILE NO. E111594

APPLICATION



OTHER SOLUTIONS

- Cable assembly
(see GRF1-C Series)

GRF1

P

P

NO. OF PLUGS

PLATING

ST

TH1

Mates with:

GRF1-J

-02, -04, -06, -08

-E

= 30 μ" (0.76 μm) Gold on Center Conductor & Tail,
Gold Flash on Shell and Tails

