

(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

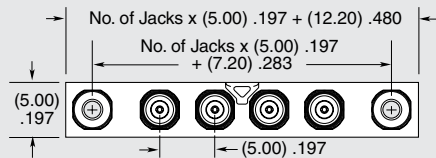
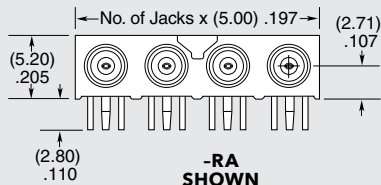
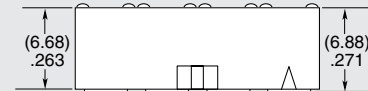
-ST

= 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

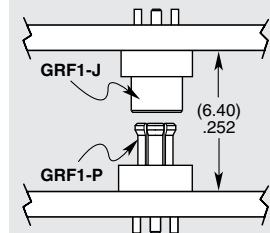
RECOGNITIONS

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

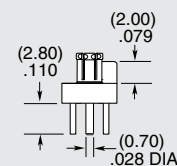
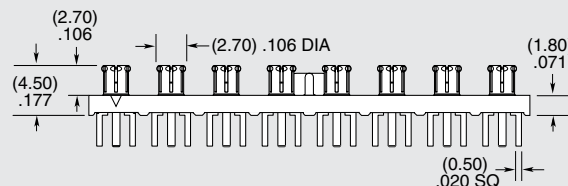
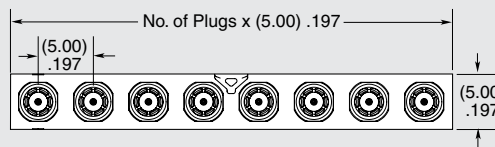
TH1

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[GRF1-J-P-08-E-ST-TH1-E](#) [GRF1-P-P-04-E-ST-TH1](#) [GRF1-J-P-08-E-ST-TH1](#) [GRF1-P-P-02-E-ST-TH1](#) [GRF1-P-P-08-E-ST-TH1](#) [GRF1-P-P-06-E-ST-TH1](#) [GRF1-P-C-04-1000-C1-S-S](#) [GRF1-P-C-08-1000-C1-S-S](#)