



SMA-J-P-H-RA-TH1



# 50 $\Omega$ SMA JACKS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SMA-TH](http://www.samtec.com?SMA-TH), [www.samtec.com?SMA-SM](http://www.samtec.com?SMA-SM), [www.samtec.com?SMA-EM](http://www.samtec.com?SMA-EM) or [www.samtec.com?SMA-MT](http://www.samtec.com?SMA-MT)

**Contact Material:**

BeCu

**Shell Material:**

Brass

**Insulator Material:**

PTFE (-PN)

**Operating Temp Range:**

-65 °C to +125 °C

**Impedance:**

50  $\Omega$

**Dielectric Withstanding**
**Voltage:**

1,000 Vrms

**Frequency Range:**

0~20 GHz

**Working Voltage:**

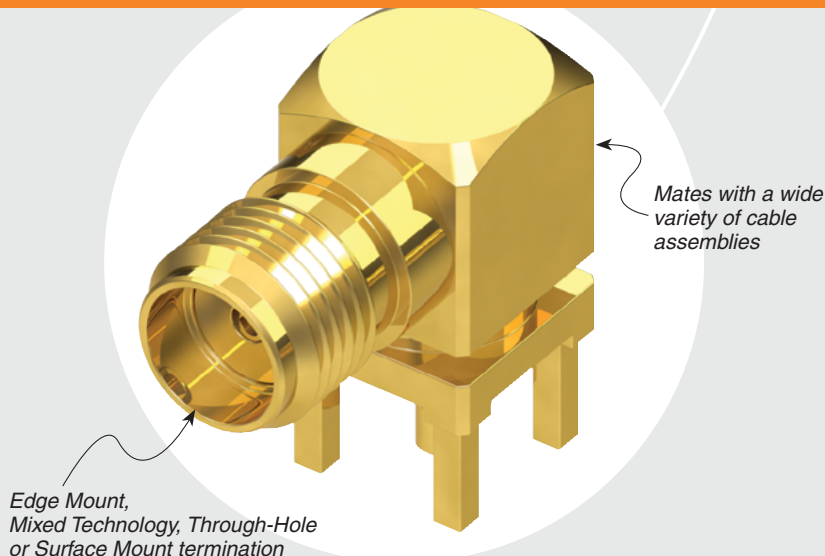
335 V

**RoHS Compliant:**

Yes

**Mates with:**

RF174, RF316, RF058,  
RF405, RF402, RS316,  
GRF1H-C, IJ5H, RF23S



## PROCESSING

**Lead-Free Solderable:**  
Yes

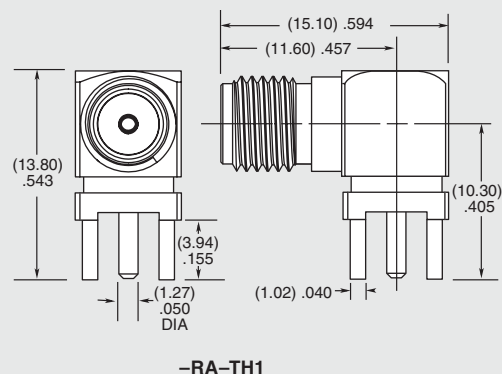
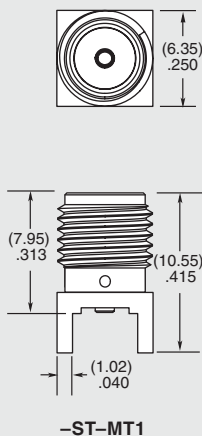
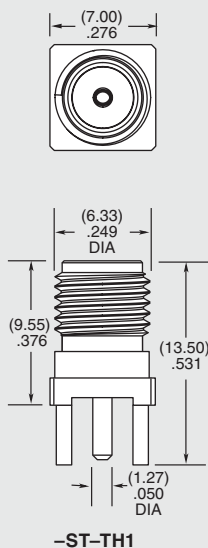
SMA

GENDER

TYPE

—J  
= Jack

—P  
= PCB Mount


**Note:**

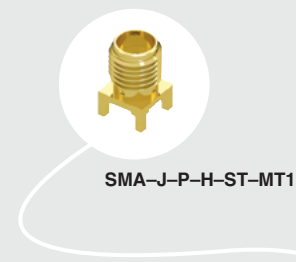
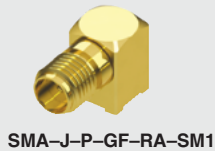
While optimized for 50  $\Omega$  applications, this connector can also perform well in certain 75  $\Omega$  applications. Contact [RFGroup@samtec.com](mailto:RFGroup@samtec.com) for further information.

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

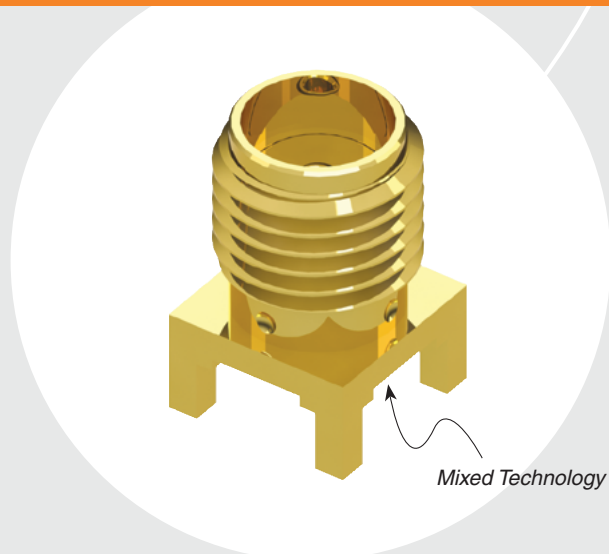
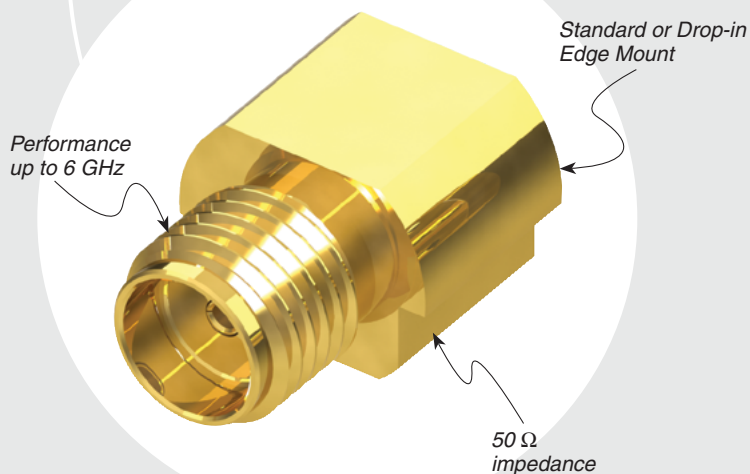
[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.



## SMA SERIES



### PLATING

#### -H

= 30  $\mu$ " (0.76  $\mu$ m) Gold center contact,  
3  $\mu$ " (0.08  $\mu$ m) Gold outer contact

#### -GF

= 10  $\mu$ " (0.25  $\mu$ m) Gold center contact,  
3  $\mu$ " (0.08  $\mu$ m) Gold outer contact  
(-SM1 only)

### ORIENTATION

#### -ST

= Straight

#### -RA

= Right-angle

### TERMINATION

#### -TH1

= Through-hole

#### -SM1

= Surface Mount  
(-GF-RA only)

#### -EM1

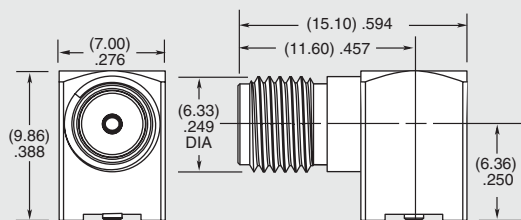
= Edge Mount  
(-ST only)

#### -EM3

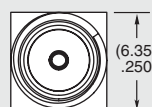
= Drop-in Edge Mount  
(-ST only)

#### -MT1

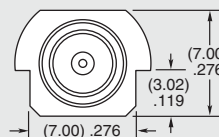
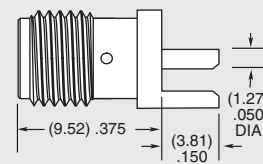
= Mixed Technology  
(-ST only)



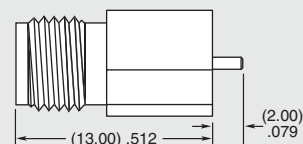
-RA-SM1



-ST-EM1



-ST-EM3



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