

SMA, SMB5 SERIES

# 50Ω SMA & SMB JACKS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SMA](http://www.samtec.com?SMA)

- Contact Material:** BeCu
- Shell Material:** Brass
- Insulator Material:** PTFE (-PN)
- Operating Temp Range:** -40°C to +90°C
- Contact Resistance:** Center Contact: 6mΩ max  
Outer Contact: 2mΩ max
- Insulator Resistance:** 5,000 MΩ
- Impedance:** 50Ω
- Dielectric Withstanding Voltage:** 500 Vrms min (-EM1 & -PN)  
750 Vrms min (-TH1)
- Working Voltage:** 170 Vrms max
- RoHS Compliant:** Yes

**Processing:**  
Lead-Free Solderable:  
Yes

### SMA

### GENDER

### TYPE

### PLATING

### ORIENTATION

### TERMINATION

Mates with:  
RF174, RF316,  
PCRF

-J  
= Jack

-P  
= PCB  
Mount

-H  
= 30μ"  
(0,76μm)  
Gold

-ST  
= Straight

-RA  
= Right Angle

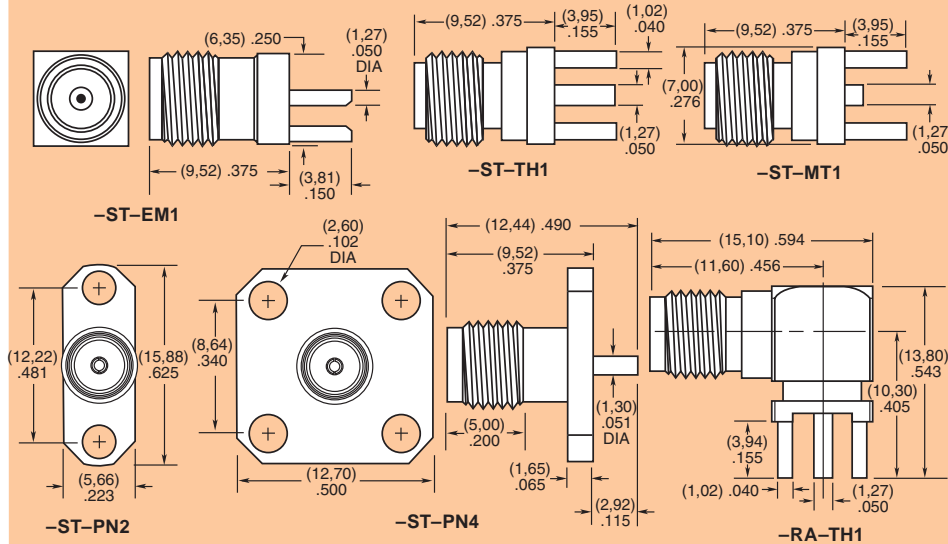
-TH1  
= Through-hole

-EM1  
= Edge Mount  
(-ST only)

-MT1  
= Mixed  
Technology  
(-ST only)

-PN2  
= 2-Hole  
Panel Mount  
(-ST only)

-PN4  
= 4-Hole  
Panel Mount  
(-ST only)



## SPECIFICATIONS

For complete specifications and recommended Cable Stripping see [www.samtec.com?SMB5](http://www.samtec.com?SMB5)

- Shell Material:** Brass
- Contact Material:** Brass
- Insulator Material:** PTFE
- Impedance:** 50Ω
- Frequency Range:** 0-4 GHz
- V.S.W.R:** 1.5 max
- Working Voltage:** 250 Vrms max
- Dielectric Withstanding:** 750 Vrms min
- Contact Resistance:** Center Contact: 6mΩ max  
Outer Contact: 2.5mΩ max
- Insulator Resistance:** 1000 MΩ min
- RoHS Compliant:** Yes

**Processing:**  
Lead-Free Solderable: Yes

### SMB5

### GENDER

### TYPE

### PLATING

### ORIENTATION

### TERMINATION

Mates with:  
RF174, RF316

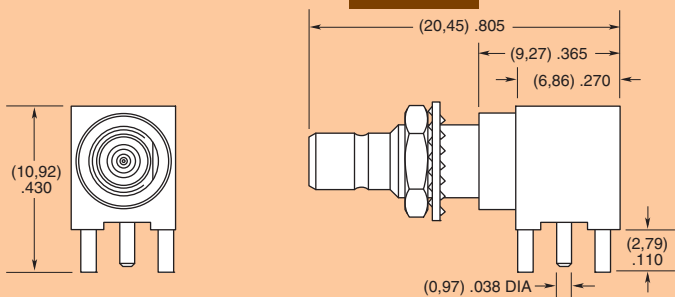
-J  
= Jack

-P  
= PCB  
Mount

-H  
= 30μ"  
(0,76μm)  
Gold

-RA  
= Right Angle

-TH1  
= Through-Hole



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

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