



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



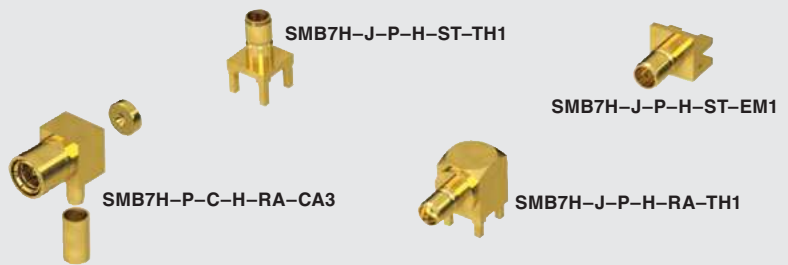
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## SMB7H SERIES

# 75Ω OPTIMIZED SMB JACKS & PLUGS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SMB7H-TH](http://www.samtec.com?SMB7H-TH) or [www.samtec.com?SMB7H-EM](http://www.samtec.com?SMB7H-EM)

**Shell Material:** Brass

**Contact Material:** Brass

**Insulator Material:**

PTFE

**Impedance:**

ST = 75Ω ±3Ω

RA = 75Ω ±4Ω

**Frequency Range:**

0-4 GHz

**V.S.W.R.:** 1.3 max

(With optimized launch design)

**Working Voltage:**

335 Vrms max

**Dielectric Withstanding:**

1000 Vrms min

**Contact Resistance:**

Center Contact: 6mΩ max

Outer Contact: 1mΩ max

**Insulator Resistance:**

1000 MΩ min

**Operating Temperature:**

-65°C to +165°C

**RoHS Compliant:** Yes

**Processing:**

Lead-Free Solderable: Yes

**Note:**

Designed to meet SMPTE

424M 3G-SDI specifications.

## SMB7H

## GENDER

## TYPE

## PLATING

## ORIENTATION

## TERMINATION

Mates with:

RF179, GRF7H-C

-J

= Jack

-P

= PCB

Mount

-H

= 30μ" (0.76 μm)

Gold center

contact,

3μ" (0.08 μm)

Gold outer

contact

-ST

= Straight

-RA

= Right Angle

-TH1

= Through-hole

((0.90 mm) .035" DIA

Signal Pin)

-TH2

= Through-hole

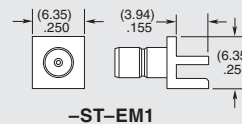
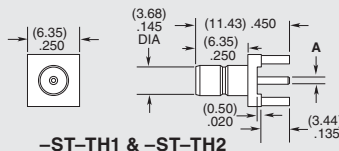
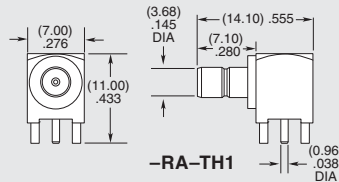
((0.51 mm) .020" DIA

Signal Pin)

-EM1

= Edge Mount

(-ST only)



TERMINATION	A (DIA)
-TH1	(0.90) .035
-TH2	(0.51) .020

## SPECIFICATIONS

For complete specifications and assembly instructions see [www.samtec.com?SMB7H-CA](http://www.samtec.com?SMB7H-CA)

**Shell Material:**

Brass

**Contact Material:**

BeCu

**Insulator Material:**

PTFE

**Center Contact:**

Soldered

**Outer Ferrule:**

Crimped

**Impedance:**

75Ω

**Frequency Range:**

0-8 GHz (-ST)

0-7 GHz (-RA)

**V.S.W.R.:**

1.3 max

**Working Voltage:**

335 Vrms max

**Dielectric Withstanding:**

1000 Vrms min

**Contact Resistance:**

Center Contact: 6mΩ max

Outer Contact: 1mΩ max

**Insulator Resistance:**

1,000 MΩ min

**Operating Temperature:**

-65°C to +165°C

**Note:**

Designed to meet SMPTE

424M 3G-SDI specifications.

## SMB7H

## GENDER

## TYPE

## PLATING

## ORIENTATION

## TERMINATION

-P

= Plug

-C

= Cable

-H

= 30μ" (0.76 μm)

Gold center

contact,

3μ" (0.08 μm)

Gold outer

contact

-ST

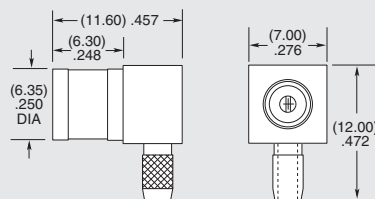
= Straight

-RA

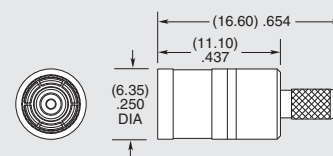
= Right Angle

-CA3

= RG 179 Cable



-P-RA



-P-ST

Supplied with pins and ferrules. See website for dimensions.