

Revision

1.0.0



CON-RPSMA-ST DATASHEET

RADIOTRONIX, INC.

CON-RPSMA-ST DATASHEET

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1. Description

The CON-RPSMA-ST is a PCB, straight reverse polarity SMA connector. These connectors are designed to meet FCC certification requirements and work with all Radiotronics modules. These connectors must use reverse polarity (RPSMA) 50 ohm antennas.

Important: CON-RPSMA-ST is RoHS Compliant!



REVERSE POLARITY SMA STRAIGHT PCB MOUNT

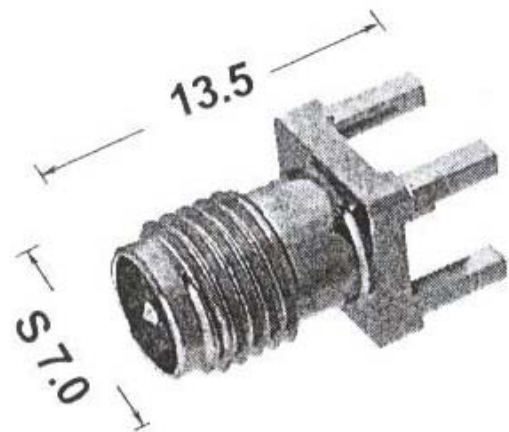
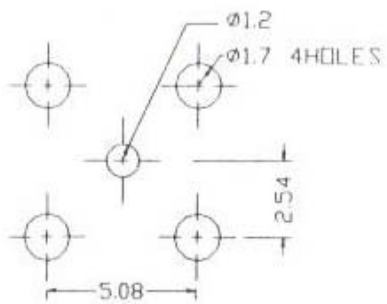


Figure 1: Straight Jack PCB Mount

2. Dimension Specifications

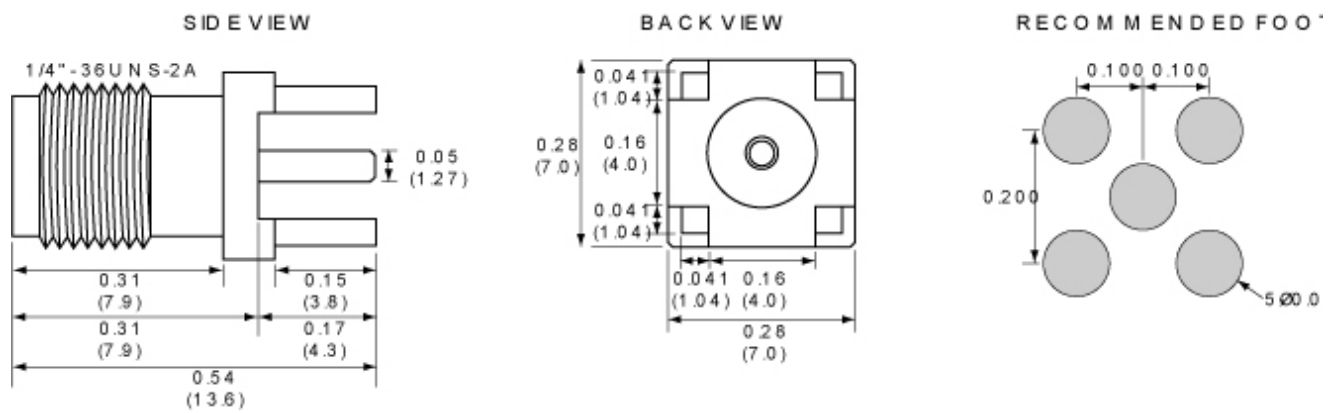


Figure 2: CON-RPSMA-ST Dimension Specifications

3. Electrical Specifications

Impedance	50 Ohms
Frequency Range	0 – 12 GHz
V.S.W.R	1.3 @ 2 GHz (straight)
	1.5 @ 2 GHz (right angle)
Dielectric with Standing Voltage	750 Vrms
Voltage Rating	375 Vrms
Insulation Resistance	≥ 500 mega ohm
Contact Resistance	
Center Conductor	≥ 2 milliohm
Outer Conductor	≥ 2 milliohm
Temperature Range	-65 C to +165 C
Insertion Loss	0.3 dB @ 1 GHz (straight)
	0.6 dB @ 1 GHz (right angle)

Table 1, CON-RPSMA-ST Electrical Specifications

4. Material Specifications

Connector Part	Materials	Plating
Body and Other Parts	Brass or Non-Magnetic Stainless Steel (QQ-S-764.303 Type)	Gold/ Nickel
Inner Contact	Brass or Phosphor (Bronze or BECU)	Gold
Outer Contact	Brass	Gold/ Nickel
Insulation	PTFE	

Table 2, CON-RPSMA-ST Material Specifications

5. Custom Applications

Radiotronix can custom-tailor existing products, or design complete turnkey systems for volume customers. For more information on these services, please contact Radiotronix at (405) 794-7730.

6. Ordering Information

Product Part Number	Description
CON-RPSMA-ST	Reverse Polarity SMA Straight Connector

6.1. Contact Information

Corporate Headquarters:

905 Messenger Lane

Moore, Oklahoma 73160

405-794-7730

website: www.radiotronix.com

support: support@radiotronix.com

6.1.1. Technical Support

Radiotronix has built a solid technical support infrastructure so that you can get answers to your questions when you need them. Our primary technical support tools are the support forum and knowledge base found on our website. We are continuously updating these tools. To find the latest information about these technical support tools, please visit <http://www.radiotronix.com/support>. Our technical support engineers are available Mon-Fri between 9:00 am and 5:00 pm central standard time. The best way to reach a technical support engineer is to submit a Webcase. Webcase submissions can be made at <http://www.radiotronix.com/support/webcase.asp>. For customers that would prefer to talk directly to a support engineer, we do offer phone support free of charge.

6.1.2. Sales Support

Our sales department can be reached via e-mail at sales@radiotronix.com or by phone at 405-794-7730. Our sales department is available Mon-Fri between 8:30 am and 5:00 pm central standard time. Visit our web site at <http://www.radiotronix.com/corpsales.asp> for information on where to buy our products.

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