

# Life without Wires.

## Antennas and Connectors

Radiotronix offers a line of 50 ohm antennas to assist customers in the design of our Wi.232 product family of modules. The Standard Polarity SMA antennas and connectors support our Evaluation Modules (EVMs) that are supplied with our development tools, and enable engineers flexibility in evaluation and prototyping.

Radiotronix offers Reverse Polarity SMA antennas and connectors, which fall within the FCC's definition of a non-standard or proprietary connector, which are intended to support production ramp-up for certified modules.

### Standard Polarity Antennas and Connectors

Radiotronix offers standard polarity antennas and connectors to support development modules and test equipment. These products will be identified as "SMA" in product descriptions. All standard polarity antennas will be male and have a "center pin." All standard polarity connectors will be female and will not have a "center pin."

### Reverse Polarity Antennas and Connectors

For certification, the FCC/ETSI rules call for non-standard or proprietary antennas and connectors. Radiotronix offers a complete line of antenna and connector products that meet these rules and support our line of certified radio modules. These products will be identified as "RPSMA" in product descriptions. All reverse polarity antennas will be female and will not have a "center pin." All reverse polarity connectors will be male and will have a "center pin."



### Features

#### 1/4 Wave Whip Antennas

- 0 dBi gain
- Supports 868 to 870MHz
- Supports 902 to 928MHz
- SMA and RPSMA Versions

#### Helical Antennas

- 0 dBi gain
- Supports 868 to 870MHz
- Supports 902 to 928MHz
- SMA and RPSMA Versions
- Straight and Right Angle Connectors

#### 1/2 Wave Dipole Antennas

- +2 dBi gain
- Supports 868 to 870MHz
- Supports 902 to 928MHz
- SMA and RPSMA Versions
- Straight and Right Angle Adjustable Connectors

#### Connectors

- Supports up to 2.4GHz
- SMA and RPSMA Versions
- PCB thru-hole
- PCB Right Angle
- PCB Edge Mount

### Applications



Oil Sensing



Medical



Automated Meter Reading (AMR)



Industrial



Fleet Management



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For 24 hour Sales and Tech. Support: [www.radiotronix.com/support/](http://www.radiotronix.com/support/)

# Antennas and Connectors

## Standard Polarity



## Reverse Polarity



## Ordering Information

Part Number	Description	Frequency	Options
<b>Radiotronix Standard Polarity Antennas</b>			
ANT-915-01A	Helical Straight SMA Antenna	900MHz	Pinned
ANT-915-03A	1/4 Wave Whip SMA Antenna	900MHz	Pinned
ANT-915-05A	Helical Right Angle SMA Antenna	900MHz	Pinned
ANT-915-09A	1/2 Wave Whip SMA Antenna (Dipole)	900MHz	Pinned
ANT-868-02A	1/4 Wave Whip SMA Antenna	868MHz	Pinned
<b>Radiotronix Standard Polarity Connectors</b>			
CON-ST SMA Connector	PCB Straight SMA Connector (Thru-Hole)	10- 2400MHz	Not Pinned
<b>Radiotronix Reverse Polarity Antennas</b>			
ANT-433-07A	Helical Right Angle RPSMA Antenna	433MHz	Not Pinned
ANT-868-01A	1/4 Wave Whip RPSMA Antenna	868MHz	Not Pinned
ANT-868-06A	1/2 Wave Whip RPSMA Antenna	868MHz	Not Pinned
ANT-868-08A	1/2 Wave Whip RPSMA Antenna (Dipole)	868MHz	Not Pinned
ANT-915-02A	1/4 Wave Whip RPSMA Antenna	900MHz	Not Pinned
ANT-915-04A	Helical Straight RPSMA Antenna	900MHz	Not Pinned
ANT-915-06A	1/2 Wave Whip RPSMA Antenna (Dipole)	900MHz	Not Pinned
ANT-915-07A	Helical Right Angle RPSMA Antenna	900MHz	Not Pinned
ANT-915-08A	1/2 Wave Whip RPSMA Antenna (Dipole)	900MHz	Not Pinned, Adjustable Swivel
<b>Radiotronix Reverse Polarity Connectors</b>			
CON-RPSMA-EM	PCB Edge-Mount RPSMA Connector	10- 2400MHz	Pinned
CON-RPSMA-RA	PCB Right Angle RPSMA Connector (Thru-Hole)	10- 2400MHz	Pinned
CON-RPSMA-ST	PCB Straight RPSMA Connector (Thru-Hole)	10- 2400MHz	Pinned

## Placing Orders

The part number is provided below to ensure ordering correctly. Pricing is available at qualified Radiotronix distributors. For more product lines and all distributor information contact Radiotronix sales at 405.794.7730, visit [www.radiotronix.com](http://www.radiotronix.com), or email [sales@radiotronix.com](mailto:sales@radiotronix.com).