


RF Receiver 3V/5V 48-Pin LQFP Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	QFP48
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The high dynamic range and inherent anti-aliasing provided by the bandpass sigma delta converter allows the AD9874 to cope with blocking signals 95 dB stronger than the desired signal. Auxiliary blocks include clock and LO synthesizers in addition to a serial peripheral interface port.

The SPI port programs numerous parameters of the AD9874, thus allowing the device to be optimized for any given application. Programmable parameters include synthesizer divide ratios, AGC attenuation and attack/decay time, received signal strength level, decimation factor, output data format, 16 dB attenuator, and theselected bias currents. The bias currents of the LNA and mixer can be further reduced at the expense of degraded performance for battery-powered applications.

Key Features

10-300 MHz Input Frequency

Baseband (I/Q) Digital Output

2.7-3.6 Supply Voltage

10-270 KHz Output Signal Bandwidth

8 dB SSB NF

95 dB Dynamic Range with 12 dB Continuous AGC Range Enabled

LO and Clock Sampling Synthesizers

Programmable Decimation Factor, Output Format, AGC, and Synthesizer settings

Application

Multimode Narrow-Band Radio Products Analog/Digital UHF/VHF FDMA Receivers TETRA, APC025, GSM/EDGE

Portable and Mobile Radio Products

Base Station Applications

SATCOM Terminals



Recommended For You

ADF4153BCPZ

Analog Devices, Inc

QFN

ADF5355BCPZ

Analog Devices, Inc

LFCSP32

AD8318ACPZ

Analog Devices, Inc

LFCSP

AD6620ASZ

Analog Devices, Inc

QFP

ADF4107BCPZ

Analog Devices, Inc

QFN

ADL5513ACPZ-R7

Analog Devices, Inc

LFCSP-16

AD8319ACPZ

Analog Devices, Inc

LFCSP

ADRF6755ACPZ

Analog Devices, Inc

QFN

ADL5535ARKZ-R7

Analog Devices, Inc

SOT89

AD608AR

Analog Devices, Inc

SOP16

ADF4107BRUZ-REEL7

Analog Devices, Inc

TSSOP16

ADRF6780ACPZN

Analog Devices, Inc

QFN

AD8317ACPZ

Analog Devices, Inc

LFCSP

AD608ARZ

Analog Devices, Inc

SOP16

AD8318ACPZ-REEL7

Analog Devices, Inc

LFCSP