
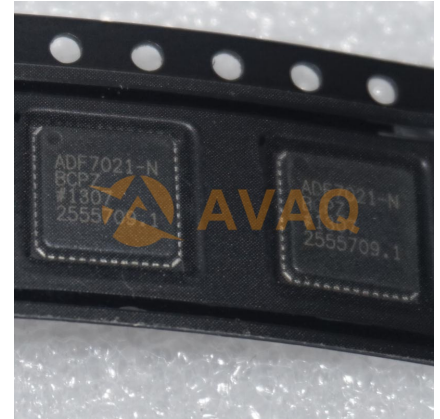


RF Transceiver FSK/MSK 2.5V/3.3V 48-Pin LFCSP EP Tray

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	LFCSP48
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The ADF7021-NBCPZ is a low-power, narrowband transceiver IC (Integrated Circuit) developed by Analog Devices. It is designed for reliable and energy-efficient wireless communication in narrowband applications.

Key Features

Application

Low power, narrow-band transceiver

Frequency bands using dual VCO80 MHz to 650 MHz842 MHz to 916 MHz

Programmable IF filter bandwidths of 9 kHz, 13.5 kHz, and 18.5 kHz

Modulation schemes: 2FSK, 3FSK, 4FSK, MSK

Spectral shaping: Gaussian and raised cosine filtering

Fully automatic frequency control loop (AFC)

On-chip, 7-bit ADC and temperature sensor

On-chip VCO and fractional-N PLL

Data rates supported: 0.05 kbps to 24 kbps

2.3 V to 3.6 V power supply

Programmable output power -16 dBm to +13 dBm in 63 steps

Automatic power amplifier (PA) ramp control

Receiver sensitivity -130 dBm at 100 bps, 2FSK-122 dBm at 1 kbps, 2FSK

Patent pending, on-chip image rejection calibration

Digital received signal strength indication (RSSI)

Integrated Tx/Rx switch

0.1 μ A leakage current in power-down mode

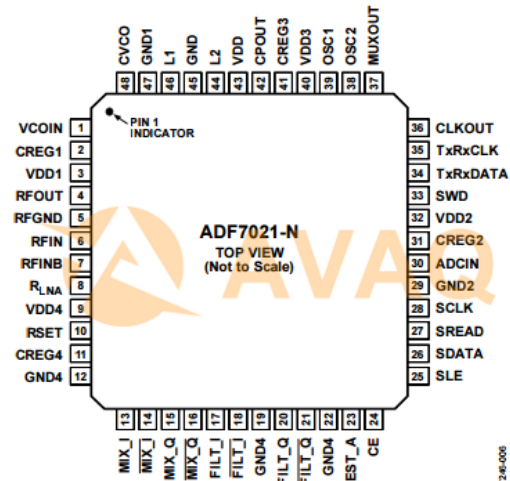


Figure 10. Pin Configuration

0724-006

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