

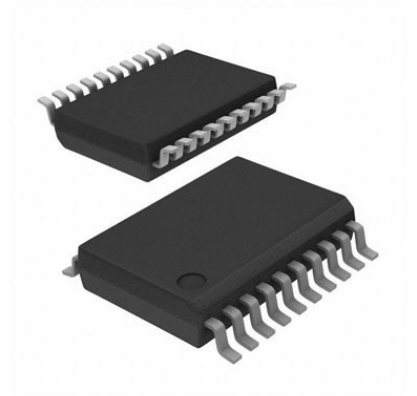
## Active Filter Single Low Pass 8th Order 150kHz 16-Pin SSOP

**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** SSOP

**Product Type:** Active Filter

**Lifecycle:** Obsolete



Images are for reference only

[Inquiry](#)

## General Description

## Key Features

## Application

4-Bit Digitally Controlled 8th-Order Lowpass Filter	The LTC1564 is a rail-to-rail high resolution 8th-order lowpass filter with two stopband notches, giving approximately 100dB attenuation at 2.5 times the passband cutoff frequency $f_c$
f <sub>CUTOFF</sub>	C
4-Bit Digitally Controlled Programmable Gain Amplifier	C
G = 1 to 16 in 1V/V Steps	C
Miniature 16-Pin SSOP Package	Other frequency-response shapes can be provided upon request. Please contact Analog Devices Marketing.
No External Components	Applications
122dB Total System Dynamic Range	Antialias or Reconstruction Filtering
Rail-to-Rail Input and Output Range	DSP Systems
2.7V to 10V Operation	Communications Systems
Low Noise Mute Mode	Scientific Instruments
Low Power Shutdown Mode	High Resolutions (16 Bits to 20 Bits)
Available in 16-Lead Plastic SSOP Package	Processing Signals Buried in Noise
	Audio Signal Processing
	Programmable Data Rates
	Automatic Gain Control (AGC)
	Single Part Replacing Multiple Filters

## Recommended For You

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### LTC1562CG

Analog Devices, Inc  
SSOP20

### LTC1164ACSW#PBF

Analog Devices, Inc  
24-SOIC

### LTC1068-25IG#PBF

Analog Devices, Inc  
SSOP-28

### LT1568IGN#PBF

Analog Devices, Inc  
SSOP16

### LTC1564IG#PBF

Analog Devices, Inc  
SSOP16

### LTC1063CN8#PBF

Analog Devices, Inc  
DIP8

**LTC1569IS8-7#PBF**

Analog Devices, Inc  
SOP8

**LTC1062CSW#PBF**

Analog Devices, Inc  
SOP

**LTC1569CS8-7#PBF**

Analog Devices, Inc  
SOIC

**LTC1060CSW#PBF**

Analog Devices, Inc  
SOP20

**LTC1062CN8**

Analog Devices, Inc  
DIP8

**LTC1060CN**

Analog Devices, Inc  
DIP20

**LTC1063CN8**

Analog Devices, Inc  
DIP8

**LTC1068-25CG#PBF**

Analog Devices, Inc  
SSOP-28

**LTC1067-50CGN#PBF**

Analog Devices, Inc  
SSOP-16