
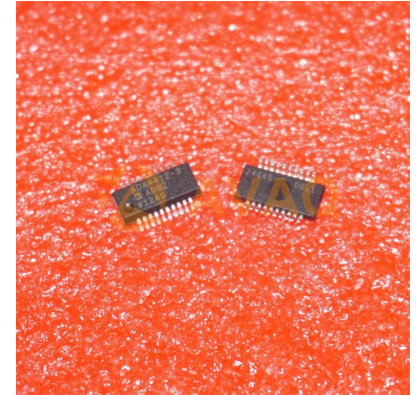


## Active Filter Triple Low Pass 6th Order 36MHz 20-Pin QSOP

### Tube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	QSOP20
<b>Product Type:</b>	Active Filter
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The ADA4412-3 is a comprehensive filtering solution designed to give designers the flexibility to easily filter and drive various video signals, including high definition video. Cutoff frequencies of the 6th order video filters range from 9 MHz to 36 MHz. The filters are tuned for RGB, high definition, and standard definition video signals. The ADA4412-3 includes an output offset voltage adjustment feature. Output voltage offset is continuously adjustable over an input-referred range of  $\pm 500$  mV by applying a differential voltage to an independent offset control input.

### Key Features

6th Order Adjustable Video Filters 36 MHz, 18 MHz, and 9 MHz

Many Video Standards Supported GBR, YPbPr, YUV, SD Y/C

Resolutions up to 1080i/720p

DC Output Offset Adjust:  $\pm 0.5$  V, input referred

Fixed Throughput Gain of x2

Excellent Video Specifications

Wide Supply Range +4.5 V to  $\pm 5$  V

Rail-to-Rail Output

Disable Feature

Small Packaging: 20-lead QSOP

### Application

The ADA4412-3 is available in the 20-lead QSOP package and is rated for operation over the industrial temperature range of  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

#### APPLICATIONS

Set-top boxes

DVD players and recorders

Personal video recorders

HDTVs

Projectors

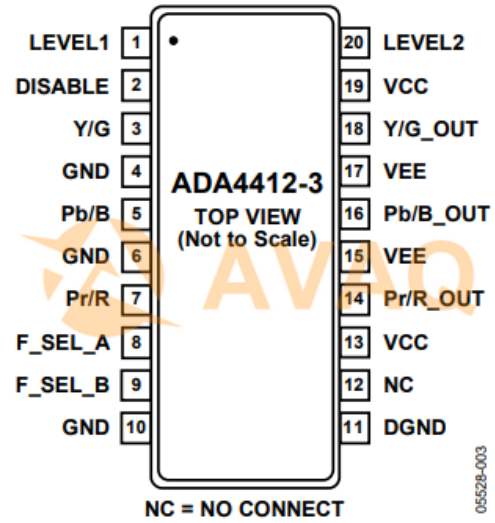
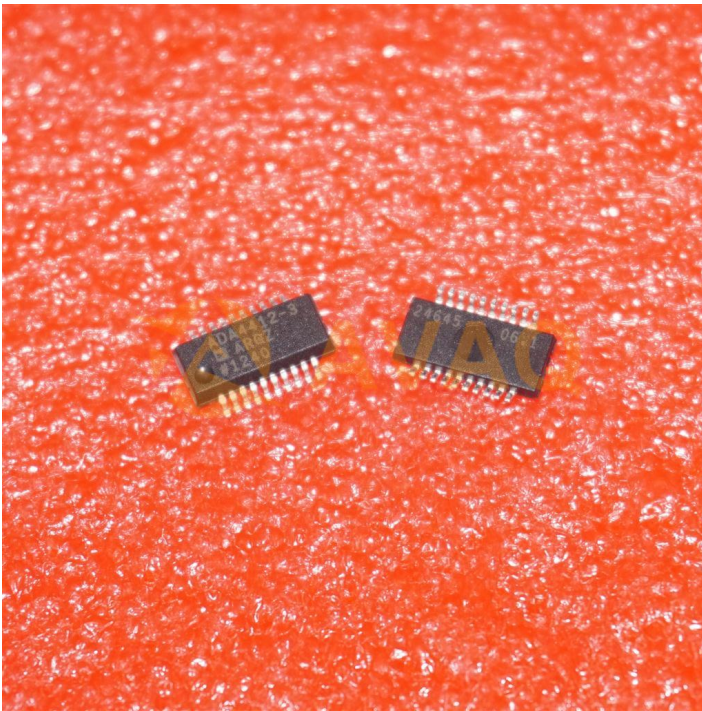


Figure 3. 20-Lead QSOP Pin Configuration

## Recommended For You

### ADV7612BSWZ

Analog Devices, Inc

LQFP100

### ADV7533BCBZ-RL

Analog Devices, Inc

WLCSP49

### ADA4432-1BRJZ-R2

Analog Devices, Inc

SOT23-6

### AD7755ARS

Analog Devices, Inc

SSOP

### AD9889BBSTZ-165

Analog Devices, Inc

QFP

### ADV7611BSWZ-P

Analog Devices, Inc

LQFP64

### ADV7611BSWZ

Analog Devices, Inc

LQFP64

### AD8116JST

Analog Devices, Inc

QFP

### ADV7162KSZI40

Analog Devices, Inc

160-PQFP

### AD9389BBSTZ-165

Analog Devices, Inc

QFP

### ADV7612WBSWZ

Analog Devices, Inc

LQFP100

### AD9889BBCPZ-165

Analog Devices, Inc

LFCSP-64

### ADV7850KBCZ-5

Analog Devices, Inc

BGA

### AD534LH

Analog Devices, Inc

CAN10

### ADA4430-1YKSZ-R7

Analog Devices, Inc

SC70-6