


## AFE Video 1 ADC 10bit 3.3V/5V 48-Pin LQFP Tray

<b>Manufacturer:</b>	<u>Analog Devices, Inc</u>
<b>Package/Case:</b>	QFP
<b>Product Type:</b>	Data Conversion ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	NRND



Images are for reference only

[Inquiry](#)

## General Description

AD9847AKSTZ is an integrated analog front-end (AFE) circuit designed for use in high-performance video signal processing applications. It is manufactured by Analog Devices Inc.

## Key Features

It supports NTSC, PAL, and SECAM video standards.

It features a 10-bit A/D converter with a sampling rate of up to 54 MHz.

It has a low-pass filter that can be set to different frequency ranges.

It includes a clamp circuit to remove the DC offset of the input signal.

It has an automatic gain control (AGC) circuit that ensures that the input signal is at a constant level.

It includes a sync separator that extracts the horizontal and vertical synchronization signals from the input signal.

## Application

It is commonly used in video processing applications such as set-top boxes, DVD players, and video cameras.

It can be used in medical imaging equipment, such as endoscopes and ultrasound machines.

It is also used in industrial applications, such as machine vision and inspection systems.



## Recommended For You

**AD7305BRZ**

Analog Devices, Inc  
SOP20

**AD9910BSVZ**

Analog Devices, Inc  
TQFP100

**AD9831ASTZ**

Analog Devices, Inc  
QFP

**AD5447YRUZ**

Analog Devices, Inc  
TSSOP

**AD5302BRMZ**

Analog Devices, Inc  
MSOP10

**AD5531BRUZ**

Analog Devices, Inc  
TSSOP16

**AD537JH**

Analog Devices, Inc  
CAN10

**AD652AQ**

Analog Devices, Inc  
DIP

**AD654JN**

Analog Devices, Inc  
DIP8

**AD7740YRMZ**

Analog Devices, Inc  
MSOP8

**AD9914BCPZ**

Analog Devices, Inc  
LFCSP

**AD73311ARSZ**

Analog Devices, Inc  
SSOP20

**AD7291BCPZ**

Analog Devices, Inc  
LFCSP20

**AD9954YSVZ**

Analog Devices, Inc  
QFP

**AD2S1205YSTZ**

Analog Devices, Inc  
LQFP44