
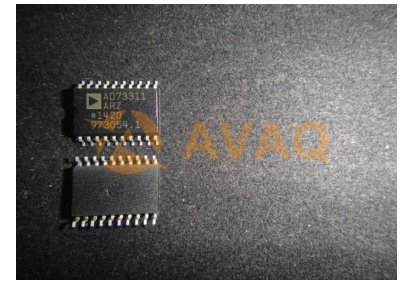


## General Purpose Audio Codec 1ADC / 1DAC Ch 20-Pin SOIC WTube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	SOP20
<b>Product Type:</b>	Communication & Networking ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

#### Linux Driver

The AD73311 and AD73311L are complete front-end processors for general-purpose applications including speech and telephony. They feature a 16-bit A/D conversion channel and a 16-bit D/A conversion channel. Each channel provides 70 dB signal-to-noise ratio over the voiceband signal bandwidth. The AD73311L is a follow-on to the AD73311 with improved on-chip filtering, more sample-rate options and lower cost. The L version operates from 3.0 V only, where as the AD73311 operates from either 3 V or 5 V power supplies.

The gains of the A/D and D/A conversion channels are programmable over 38 dB and 21 dB respectively. An on-chip reference voltage is included to allow single-supply operations. A serial port (SPORT) allows easy interfacing for single or cascaded devices to industry standard DSP engines.

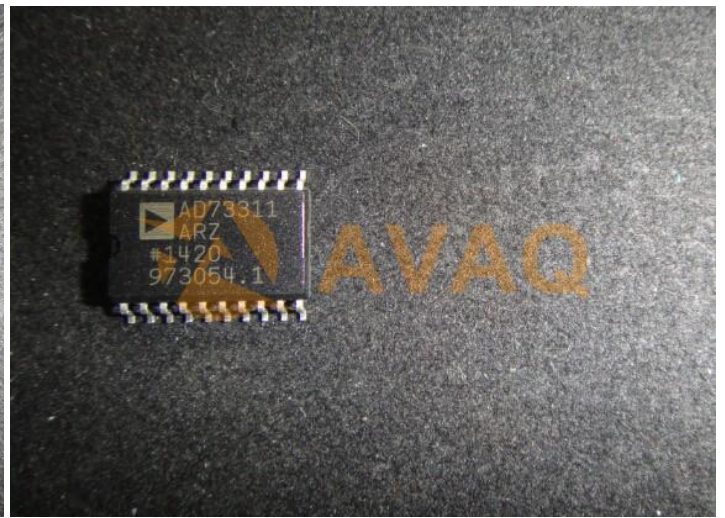
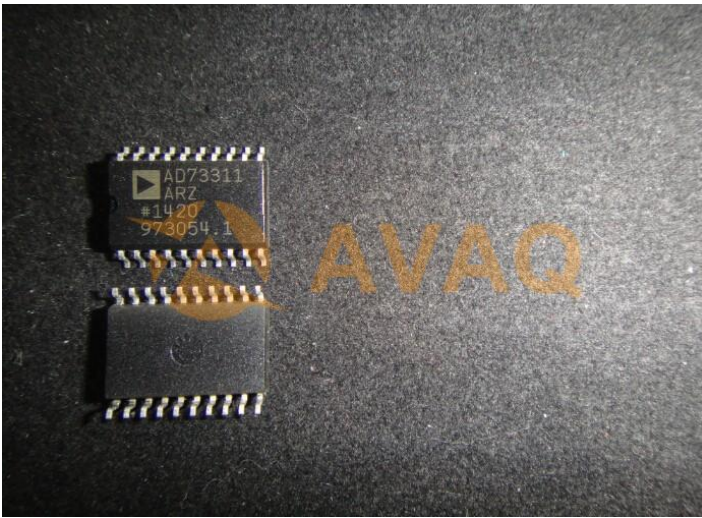
The AD73311 and AD73311L are suitable for a variety of applications in the speech and telephony areas including low-bit rate, high quality compression, speech enhancement, recognition and synthesis. The low group delay characteristic of the part makes it suitable for single or multi-channel active-control applications.

### Key Features

- 16-Bit A/D Converters
- 16-Bit D/A Converters
- Programmable Input/Output Sample Rates
- 75 dB ADC SNR
- 70 db DAC SNR
- 64 ksp/s Maximum Sample Rate
- Programmable Input/Output Gain
- Low group Delay: 25  $\mu$ s per ADC ch/50  $\mu$ s per DAC ch
- Flexible Serial Port Allows Up to 4 Codecs To Be Connected in Cascade Giving 8 I/O Channels
- Single 2.7 V to 5.5 V Supply Operation
- 50 mW Max Power Dissipation at 2.7 V

### Application

- General Purpose Analog I/O
- Speech Processing
- Cordless and Personal Communications
- Telephony
- Active Control of Sound & Vibration
- Data Communications



## Recommended For You

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### **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