



Image may be representation.  
See specifications for product details.



## AD7610BSTZ

Manufacturer Part Number	<b>AD7610BSTZ</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-AD7610BSTZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC ADC 16BIT SAR 48LQFP
Package	48-LQFP
Data sheet	<b>AD7610.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

AD7610BSTZ - Analog Devices Inc..New Original in Stock. Download Linear Technology AD7610BSTZ datasheet/specifications on AllelcoElec.com.  
Request a quote for AD7610BSTZ, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AD7610BSTZ Tech Specifications

AD7610BSTZ - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Number of Inputs	1
Voltage - Supply, Digital	5V	Number of Bits	16
Voltage - Supply, Analog	5V	Number of A/D Converters	1
Supplier Device Package	48-LQFP (7x7)	Mounting Type	Surface Mount
Series	iCMOS®, PulSAR®	Input Type	Differential
Sampling Rate (Per Second)	250k	Features	True Bipolar
Reference Type	External, Internal	Data Interface	SPI, Parallel, DSP
Ratio - S/H:ADC	1:1	Configuration	S/H-ADC
Package / Case	48-LQFP	Base Product Number	AD7610
Package	Tray	Architecture	SAR
Operating Temperature	-40°C ~ 85°C		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD7610BSTZ

Product Attribute				
Part Number	AD7610BSTZ	<b>AD7616BSTZ-RL</b>	<b>AD7616BSTZ</b>	<b>AD7612BCPZ</b>
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Series	iCMOS®, PulSAR®	-	-	iCMOS®, PulSAR®
Configuration	S/H-ADC	MUX-ADC	MUX-ADC	S/H-ADC
Operating Temperature	-40°C ~ 85°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 85°C
Input Type	Differential	Single Ended	Single Ended	Differential
Architecture	SAR	SAR	SAR	SAR
Base Product Number	AD7610	AD7616	AD7616	AD7612
Sampling Rate (Per Second)	250k	1M	1M	750k
Voltage - Supply, Analog	5V	4.75V ~ 5.25V	4.75V ~ 5.25V	5V
Number of Inputs	1	16	16	1
Reference Type	External, Internal	External, Internal	External, Internal	External, Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Bits	16	16	16	16
Ratio - S/H:ADC	1:1	-	-	1:1
Features	True Bipolar	Simultaneous Sampling	Simultaneous Sampling	True Bipolar
Data Interface	SPI, Parallel, DSP	DSP, MICROWIRE™, Parallel, QSPI™, Serial, SPI™	DSP, MICROWIRE™, Parallel, QSPI™, Serial, SPI™	SPI, Parallel, DSP
Package	Tray	Tape & Reel (TR)	Tray	Tray
Supplier Device Package	48-LQFP (7x7)	80-LQFP (14x14)	80-LQFP (14x14)	48-LFCSVP-VQ (7x7)
Number of A/D Converters	1	2	2	1
Voltage - Supply, Digital	5V	2.3V ~ 3.6V	2.3V ~ 3.6V	5V
Package / Case	48-LQFP	80-LQFP	80-LQFP	48-VFQFN Exposed Pad, CSP

### AD7610BSTZ Datasheet PDF

Download AD7610BSTZ pdf datasheets and Analog Devices Inc. documentation for AD7610BSTZ - Analog Devices Inc..

#### Datasheets

[AD7610.pdf](#)

#### PCN Assembly/Origin

[Site Chg 24/Feb/2016.pdf](#)

## Customers Also Interested in

### Recommended Products



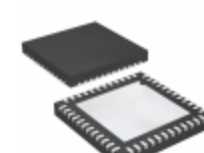
**AD7616-PBSTU1**  
ADI (Analog Devices, Inc.)



**AD7616BSTZ-RL**  
Analog Devices Inc.  
IC ADC 16BIT SAR 80LQFP



**AD7608BSTZ-RL**  
Analog Devices Inc.  
IC DAS/ADC 18BIT 200K 64LQFP



**AD7616BSTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 80LQFP



**AD7612BCPZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LFCSP

**AD7606C-16BSTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 64LQFP



**AD7621ASTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP



**AD760AQ**  
Analog Devices Inc.  
IC DAC 16BIT V-OUT 28CDIP



**AD7612BSTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP



**AD7609BSTZ**  
Analog Devices Inc.  
IC DAS/ADC 18BIT 200K 64LQFP



**AD7608BSTZ**  
Analog Devices Inc.  
IC DAS/ADC 18BIT 200K 64LQFP



**AD7606BSTZ-4**  
ADI (Analog Devices, Inc.)



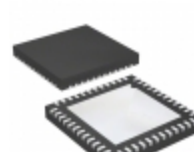
**AD7606C-18BSTZ**  
Analog Devices Inc.  
IC ADC 18BIT SAR 64LQFP



**AD7609BSTZ-RL**  
Analog Devices Inc.  
IC DAS/ADC 18BIT 200K 64LQFP



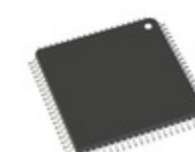
**AD7620JR**  
ADI (Analog Devices, Inc.)



**AD7610BCPZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LFCSP



**AD7607BSTZ**  
Analog Devices Inc.  
IC DAS/ADC 14BIT 200K 64LQFP



**AD7616-PBSTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 80LQFP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone  
+00852 9146 4856
- Email  
info@alleco.com

### Certifications & Memberships



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