



Image may be representation.
See specifications for product details.



AD9142ABCPZ

Manufacturer Part Number	AD9142ABCPZ
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-AD9142ABCPZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC DAC 16BIT A-OUT 72LFCSP
Package	72-VFQFN Exposed Pad, CSP
Data sheet	AD9142A.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AD9142ABCPZ - Analog Devices Inc..New Original in Stock. Download Linear Technology AD9142ABCPZ datasheet/specifications on AllelcoElec.com.
Request a quote for AD9142ABCPZ, please send us email: info@allelco.com

Specifications

AD9142ABCPZ Tech Specifications

AD9142ABCPZ - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Operating Temperature	-40°C ~ 85°C
Voltage - Supply, Digital	1.7V ~ 1.9V	Number of D/A Converters	2
Voltage - Supply, Analog	3.13V ~ 3.47V	Number of Bits	16
Supplier Device Package	72-LFCSP-VQ (10x10)	Mounting Type	Surface Mount
Settling Time	20ns (Typ)	INL/DNL (LSB)	±3.7, ±2.1
Series	TxDAC+®	Differential Output	Yes
Reference Type	External, Internal	Data Interface	LVDS - Parallel
Package / Case	72-VFQFN Exposed Pad, CSP	Base Product Number	AD9142
Package	Tray	Architecture	Oversampling Interpolating DAC
Output Type	Current - Unbuffered		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD9142ABCPZ

Product Attribute				
Part Number	AD9142ABCPZ	AD9135BCPZ	AD9146BCPZ	AD9142ABCPZRL
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
INL/DNL (LSB)	±3.7, ±2.1	±0.35, ±0.175	±3.7, ±2.1	±3.7, ±2.1
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Package / Case	72-VFQFN Exposed Pad, CSP	88-VFQFN Exposed Pad, CSP	48-WFQFN Exposed Pad, CSP	72-VFQFN Exposed Pad, CSP
Differential Output	Yes	Yes	Yes	Yes
Architecture	Oversampling Interpolating DAC	Current Source	Current Source	Oversampling Interpolating DAC
Number of Bits	16	11	16	16
Data Interface	LVDS - Parallel	JESD204B	LVDS - Parallel	LVDS - Parallel
Voltage - Supply, Analog	3.13V ~ 3.47V	3.13V ~ 3.47V	3.13V ~ 3.47V	3.13V ~ 3.47V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	72-LFCSP-VQ (10x10)	88-LFCSP-VQ (12x12)	48-LFCSP (7x7)	72-LFCSP-VQ (10x10)
Number of D/A Converters	2	2	2	2
Settling Time	20ns (Typ)	20ns (Typ)	20ns (Typ)	20ns (Typ)
Voltage - Supply, Digital	1.7V ~ 1.9V	1.14V ~ 1.26V	1.71V ~ 1.89V	1.7V ~ 1.9V
Package	Tray	Tray	Tray	Tape & Reel (TR)
Series	TxDAC+®	TxDAC+®	TxDAC+®	TxDAC+®
Base Product Number	AD9142	AD9135	AD9146	AD9142
Reference Type	External, Internal	Internal	External, Internal	External, Internal
Output Type	Current - Unbuffered	Current - Unbuffered	Current - Unbuffered	Current - Unbuffered

AD9142ABCPZ Datasheet PDF

Download AD9142ABCPZ pdf datasheets and Analog Devices Inc. documentation for AD9142ABCPZ - Analog Devices Inc..

Datasheets

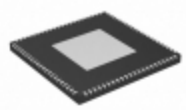
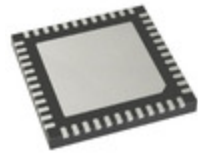
[AD9142A.pdf](#)

PCN Design/Specification

[AD9142A Die Revision 26/Mar/2014.pdf](#)

Customers Also Interested in

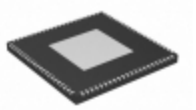
Recommended Products

**AD9135BCPZ**Analog Devices Inc.
IC DAC 11BIT A-OUT 88LFCSP**AD9146BCPZ**Analog Devices Inc.
IC DAC 16BIT A-OUT 48LFCSP**AD9142AXCPZ**

ADI (Analog Devices, Inc.)

**AD9142ABCPZRL**Analog Devices Inc.
IC DAC 16BIT A-OUT 72LFCSP**AD9128BST2-40**

ADI (Analog Devices, Inc.)

**AD9144BCPZ**Analog Devices Inc.
IC DAC 16BIT A-OUT 88LFCSP**AD9128XCPZ**

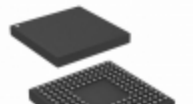
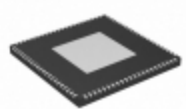
TXDAC

**AD9122XCPZ**

ADI (Analog Devices, Inc.)

**AD9144BCPZRL**Analog Devices Inc.
IC DAC 16BIT A-OUT 88LFCSP**AD9125BCPZ**Analog Devices Inc.
IC DAC 16BIT A-OUT 72LFCSP**AD9142XCPZ**

ADI (Analog Devices, Inc.)

**AD9129BBCZ**Analog Devices Inc.
IC DAC 14BIT A-OUT 160CSPBGA**AD9136BCPZ**Analog Devices Inc.
IC DAC 16BIT A-OUT 88LFCSP**AD9142ABCPZ-R**

ADI (Analog Devices, Inc.)

**AD9139BCPZ**Analog Devices Inc.
IC DAC 16BIT A-OUT 72LFCSP**AD9142BCPZ**Analog Devices Inc.
IC DAC 16BIT A-OUT 72LFCSP**AD9122BCPZRL**Analog Devices Inc.
IC DAC 16BIT A-OUT 72LFCSP**AD9128BST2-80**

ADI (Analog Devices, Inc.)

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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