



Image may be representation.  
See specifications for product details.



## AD9116BCPZ

Manufacturer Part Number	<a href="#">AD9116BCPZ</a>
Manufacturer	<a href="#">Analog Devices, Inc.</a>
Allelco Part Number	32D-AD9116BCPZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC DAC 12BIT A-OUT 40LFCSP
Package	40-VFQFN Exposed Pad, CSP
Data sheet	<a href="#">AD9114-17.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

AD9116BCPZ - Analog Devices Inc..New Original in Stock. Download Linear Technology AD9116BCPZ datasheet/specifications on AllelcoElec.com.  
Request a quote for AD9116BCPZ, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AD9116BCPZ Tech Specifications  
AD9116BCPZ - 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 ~ 3.5V	Number of D/A Converters	2
Voltage - Supply, Analog	1.7V ~ 3.5V	Number of Bits	12
Supplier Device Package	40-LFCSP-VQ (6x6)	Mounting Type	Surface Mount
Settling Time	11.5ns (Typ)	INL/DNL (LSB)	±0.68, ±0.4
Series	TxDAC®	Differential Output	Yes
Reference Type	External, Internal	Data Interface	Parallel
Package / Case	40-VFQFN Exposed Pad, CSP	Base Product Number	AD9116
Package	Tray	Architecture	Current Source
Output Type	Current - Unbuffered		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD9116BCPZ

Product Attribute				
Part Number	AD9116BCPZ	<a href="#">AD9117BCPZ</a>	<a href="#">AD9102BCPZ</a>	<a href="#">AD9119BBCZRL</a>
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
INL/DNL (LSB)	±0.68, ±0.4	±1.2, ±1.4	±2, ±1.4	0.2, 0.15
Voltage - Supply, Analog	1.7V ~ 3.5V	1.7V ~ 3.5V	1.7V ~ 3.6V	1.7V ~ 1.9V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tape & Reel (TR)
Package / Case	40-VFQFN Exposed Pad, CSP	40-VFQFN Exposed Pad, CSP	32-WFQFN Exposed Pad, CSP	160-LFBGA, CSPBGA
Reference Type	External, Internal	External, Internal	External, Internal	External, Internal
Number of D/A Converters	2	2	1	1
Supplier Device Package	40-LFCSP-VQ (6x6)	40-LFCSP-VQ (6x6)	32-LFCSP (5x5)	160-CSPBGA (12x12)
Differential Output	Yes	Yes	Yes	Yes
Voltage - Supply, Digital	1.7V ~ 3.5V	1.7V ~ 3.5V	1.7V ~ 3.6V	1.7V ~ 1.9V
Number of Bits	12	14	14	11
Base Product Number	AD9116	AD9117	AD9102	AD9119
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Output Type	Current - Unbuffered	Current - Unbuffered	Current - Unbuffered	Current - Unbuffered
Settling Time	11.5ns (Typ)	11.5ns (Typ)	31.2ns (Typ)	13ns (Typ)
Architecture	Current Source	Current Source	Segmented DAC	Quad-Switch
Data Interface	Parallel	Parallel	SPI	LVDS - Parallel
Series	TxDAC®	TxDAC®	TxDAC®	-

### AD9116BCPZ Datasheet PDF

Download AD9116BCPZ pdf datasheets and Analog Devices Inc. documentation for AD9116BCPZ - Analog Devices Inc..

#### Datasheets

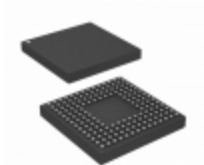
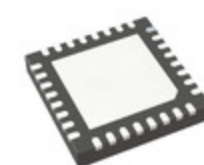
[AD9114-17.pdf](#)

#### PCN Assembly/Origin

[Sawn Pkg Assembly Trsf- Cancel 13/Sep/2017.pdf](#)

### Customers Also Interested in

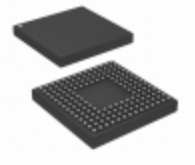
#### Recommended Products

**AD91214Z**

ADI (Analog Devices, Inc.)

**AD91145Z**

ADI (Analog Devices, Inc.)

**AD91171Z**Analog Devices Inc.  
IC PROCESSOR**AD9117BCPZ**Analog Devices Inc.  
IC DAC 14BIT A-OUT 40LFCSP**AD9102BCPZ**Analog Devices Inc.  
IC DAC 14BIT A-OUT 32LFCSP**AD9119BBCZRL**Analog Devices Inc.  
IC DAC 11BIT A-OUT 160CSPBGA**AD9119BBCZ**Analog Devices Inc.  
IC DAC 11BIT A-OUT 160CSPBGA**AD91210Z**

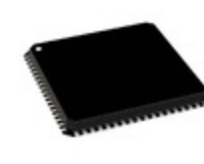
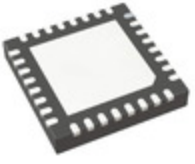
ADI (Analog Devices, Inc.)

**AD9114BCPZ**Analog Devices Inc.  
IC DAC 8BIT A-OUT 40LFCSP**AD9101AR**

ADI (Analog Devices, Inc.)

**AD91089Z**

ADI (Analog Devices, Inc.)

**AD9115BCPZ**Analog Devices Inc.  
IC DAC 10BIT A-OUT 40LFCSP**AD9106BCPZ**Analog Devices Inc.  
IC DAC 12BIT A-OUT 32LFCSP**AD91140Z**

ADI (Analog Devices, Inc.)

**AD9121BCPZ**Analog Devices Inc.  
IC DAC 14BIT A-OUT 72LFCSP**AD91026Z**

AD/ROHS

**AD9121BCPZRL**Analog Devices Inc.  
IC DAC 14BIT A-OUT 72LFCSP**AD91089Z/ADSP-BF533**

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 Allelco 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@allelco.com

### Certifications & Memberships



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