

Image may be representation.  
See specifications for product details.



## ADSP-2189NKCAZ-320

Manufacturer Part Number	<a href="#">ADSP-2189NKCAZ-320</a>
Manufacturer	<a href="#">Analog Devices, Inc.</a>
Allelco Part Number	32D-ADSP-2189NKCAZ-320
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC DSP 16BIT 80MHZ 144CSBGA
Package	144-LFBGA, CSPBGA
Data sheet	<a href="#">ADSP-218xN.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ADSP-2189NKCAZ-320 - Analog Devices Inc..New Original in Stock. Download Linear Technology ADSP-2189NKCAZ-320 datasheet/specifications on AllelcoElec.com. Request a quote for ADSP-2189NKCAZ-320, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ADSP-2189NKCAZ-320 Tech Specifications  
ADSP-2189NKCAZ-320 - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Operating Temperature	0°C ~ 70°C (TA)
Voltage - I/O	1.8V, 2.5V, 3.3V	On-Chip RAM	192kB
Voltage - Core	1.80V	Non-Volatile Memory	External
Type	Fixed Point	Mounting Type	Surface Mount
Supplier Device Package	144-CSPBGA (10x10)	Interface	Host Interface, Serial Port
Series	ADSP-21xx	Clock Rate	80MHz
Package / Case	144-LFBGA, CSPBGA	Base Product Number	ADSP-2189
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADSP-2189NKCAZ-320

Product Attribute				
Part Number	<a href="#">ADSP-2189NKCAZ-320</a>	<a href="#">ADSP-21991BBC</a>	<a href="#">ADSP-2187NKST-320</a>	<a href="#">ADSP-2189MBSTZ-266</a>
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Interface	Host Interface, Serial Port	SPI, SSP	Host Interface, Serial Port	Host Interface, Serial Port
Package / Case	144-LFBGA, CSPBGA	196-BGA, CSPBGA	100-LQFP	100-LQFP
Type	Fixed Point	Fixed Point	Fixed Point	Fixed Point
Voltage - I/O	1.8V, 2.5V, 3.3V	3.30V	1.8V, 2.5V, 3.3V	3.30V
Operating Temperature	0°C ~ 70°C (TA)	-40°C ~ 85°C	0°C ~ 70°C	-40°C ~ 85°C (TA)
Base Product Number	ADSP-2189	ADSP-21991	ADSP-2187N	ADSP-2189
Clock Rate	80MHz	150MHz	80MHz	66MHz
Non-Volatile Memory	External	External	External	External
Supplier Device Package	144-CSPBGA (10x10)	196-MBGA (15x15)	100-LQFP (14x14)	100-LQFP (14x14)
Series	ADSP-21xx	ADSP-21xx	ADSP-21xx	ADSP-21xx
Voltage - Core	1.80V	2.50V	1.80V	2.50V
On-Chip RAM	192kB	112kB	160kB	192kB
Package	Tray	Bag	Bag	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### ADSP-2189NKCAZ-320 Datasheet PDF

Download ADSP-2189NKCAZ-320 pdf datasheets and Analog Devices Inc. documentation for ADSP-2189NKCAZ-320 - Analog Devices Inc..

#### Datasheets

[ADSP-218xN.pdf](#)

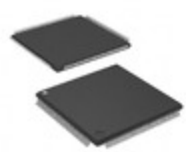
#### Other Related Documents

[An Almost Pure DDS Sine Wave Tone Generator.pdf](#)

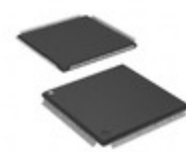
### Customers Also Interested in

#### Recommended Products

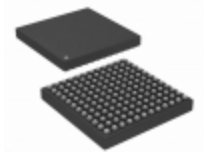
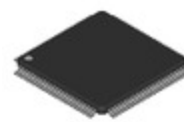
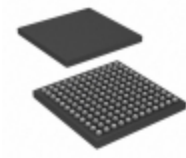
<b>ADSP-21991BBC</b> Analog Devices Inc. IC DSP CTRLR 16BIT 196CSPBGA	<b>ADSP-2191MBST-266</b> ADI (Analog Devices, Inc.)	<b>ADSP-2187NKST-320</b> Analog Devices Inc. IC DSP CONTROLLER 16BIT 100LQFP	<b>ADSP-2189MBSTZ-266</b> Analog Devices Inc. IC DSP CONTROLLER 16BIT 100-LQFP	<b>ADSP-2191MKSTZ-160</b> Analog Devices Inc. IC DSP CONTROLLER 16BIT 144LQFP	<b>ADSP-2189MKSTZ-300</b> ADI (Analog Devices, Inc.) IC DSP CONTROLLER 16BIT 100-LQFP

**ADSP-2191MBST-140**Analog Devices Inc.  
IC DSP CONTROLLER 16BIT 144LQFP**ADSP-2189NKST-320**Analog Devices Inc.  
IC DSP CONTROLLER 16BIT 100LQFP**ADSP-2189MBST-266**

ADI (Analog Devices, Inc.)

**ADSP-2191MBSTZ-140**Analog Devices Inc.  
IC DSP CONTROLLER 16BIT 144LQFP**ADSP-2191MKST-160**

ADI (Analog Devices, Inc.)

**ADSP-2189MKCA-300**Analog Devices Inc.  
IC DSP CONTROLLER 16BIT 144MBGA**ADSP-2189MKST-300**Analog Devices Inc.  
IC DSP CONTROLLER 16BIT 100LQFP**ADSP-2196MKSTZ-160**ADI (Analog Devices, Inc.)  
IC DSP CONTROLLER 16BIT 144-LQFP**ADSP-2189MBCA-266**Analog Devices Inc.  
IC DSP CONTROLLER 16BIT 144MBGA**ADSP-2189NBCAZ-320**Analog Devices Inc.  
IC DSP 16BIT 80MHZ 144CSBGA**ADSP-2188MKST-300**

ADI (Analog Devices, Inc.)

**ADSP-2189MKST-266**

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  
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info@allelco.com

## Certifications & Memberships



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