

Image may be representation.  
See specifications for product details.



## ADSP-BF609KBCZ-5

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>ADSP-BF609KBCZ-5</b>                |
| Manufacturer             | <b>Analog Devices, Inc.</b>            |
| Allelco Part Number      | 32D-ADSP-BF609KBCZ-5                   |
| ECAD Model               | PCB Symbol, Footprint & 3D Model       |
| Parts Description        | IC DSP CTRLR 349CSBGA                  |
| Package                  | 349-LFBGA, CSPBGA                      |
| Data sheet               | <b>Cylindrical Battery Holders.pdf</b> |
| RoHs Status              | <b>ROHS3 Compliant</b>                 |

**Get a Quote**

ADSP-BF609KBCZ-5 - Analog Devices Inc..New Original in Stock. Download Linear Technology ADSP-BF609KBCZ-5 datasheet/specifications on AllelcoElec.com.  
Request a quote for ADSP-BF609KBCZ-5, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ADSP-BF609KBCZ-5 Tech Specifications  
ADSP-BF609KBCZ-5 - 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, 3.3V           | On-Chip RAM           | 808K x 8  |
| Voltage - Core          | 1.25V                | Non-Volatile Memory   | ROM (64kB)  |
| Type                    | Dual Core            | Mounting Type         | Surface Mount   |
| Supplier Device Package | 349-CSPBGA (19x19)   | Interface             | CAN, EBI/EMI, Ethernet, I <sup>2</sup> C, SPI, SPORT, UART/USART, USB OTG |
| Series                  | Blackfin®            | Clock Rate            | 500MHz  |
| Package / Case          | 349-LFBGA, CSPBGA    | Base Product Number   | ADSP-BF609  |
| Package                 | Tray                 |                       |   |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADSP-BF609KBCZ-5

| Product Attribute       |   |   |   |   |
|-------------------------|---|---|---|---|
| Part Number             | ADSP-BF609KBCZ-5  | ADSP-BF700KCPZ-1  | ADSP-BF608BBCZ-5  | ADSP-BF702BCPZ-4  |
| Manufacturer            | Analog Devices Inc.   | Analog Devices Inc.   | Analog Devices Inc.   | Analog Devices Inc.   |
| On-Chip RAM             | 808K x 8  | 128kB   | 808K x 8  | 256kB   |
| Package / Case          | 349-LFBGA, CSPBGA   | 88-VFQFN Exposed Pad, CSP   | 349-LFBGA, CSPBGA   | 88-VFQFN Exposed Pad, CSP   |
| Base Product Number     | ADSP-BF609  | ADSP-BF700  | ADSP-BF608  | ADSP-BF702  |
| Voltage - Core          | 1.25V   | 1.10V   | 1.25V   | 1.10V   |
| Operating Temperature   | 0°C ~ 70°C (TA)   | 0°C ~ 70°C (TA)   | -40°C ~ 85°C (TA)   | -40°C ~ 85°C (TA)   |
| Clock Rate              | 500MHz  | 100MHz  | 500MHz  | 400MHz  |
| Non-Volatile Memory     | ROM (64kB)  | ROM (512kB)   | ROM (64kB)  | ROM (512kB)   |
| Voltage - I/O           | 1.8V, 3.3V  | 1.8V, 3.3V  | 1.8V, 3.3V  | 1.8V, 3.3V  |
| Type                    | Dual Core   | Blackfin+   | Dual Core   | Blackfin+   |
| Package                 | Tray  | Tray  | Tray  | Tray  |
| Supplier Device Package | 349-CSPBGA (19x19)  | 88-LFCSP-VQ (12x12)   | 349-CSPBGA (19x19)  | 88-LFCSP-VQ (12x12)   |
| Series                  | Blackfin®   | Blackfin®   | Blackfin®   | Blackfin®   |
| Interface               | CAN, EBI/EMI, Ethernet, I <sup>2</sup> C, SPI, SPORT, UART/USART, USB OTG | CAN, DSPI, EBI/EMI, I <sup>2</sup> C, PPI, QSPI, SD/SDIO, SPI, SPORT, UART/USART, USB OTG | CAN, EBI/EMI, Ethernet, I <sup>2</sup> C, SPI, SPORT, UART/USART, USB OTG | CAN, DSPI, EBI/EMI, I <sup>2</sup> C, PPI, QSPI, SD/SDIO, SPI, SPORT, UART/USART, USB OTG |
| Mounting Type           | Surface Mount   | Surface Mount   | Surface Mount   | Surface Mount   |

### ADSP-BF609KBCZ-5 Datasheet PDF

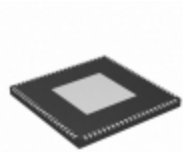
Download ADSP-BF609KBCZ-5 pdf datasheets and Analog Devices Inc. documentation for ADSP-BF609KBCZ-5 - Analog Devices Inc..

#### Datasheets

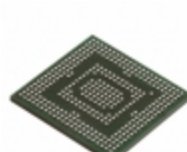
[Cylindrical Battery Holders.pdf](#)

### Customers Also Interested in

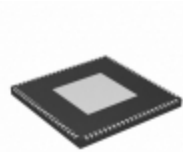
#### Recommended Products



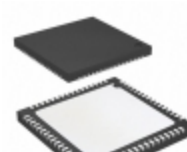
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Analog Devices Inc.  
IC DSP LP 128KB L2SR 88LFCSP



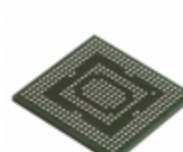
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Analog Devices Inc.  
IC DSP CTRLR DUAL 349CSBGA



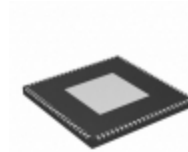
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Analog Devices Inc.  
IC DSP LP 256KB L2SR 88LFCSP



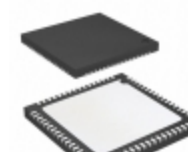
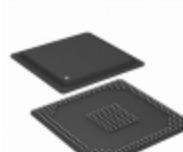
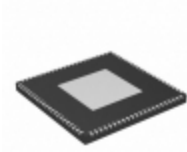
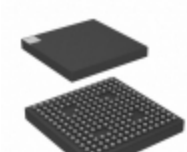
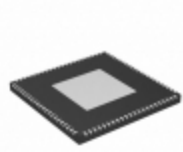
**ADSP-BF592KCPZ-2**  
Analog Devices Inc.  
IC DSP CTRLR 200MHZ 64LFCSP

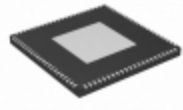
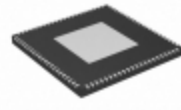


**ADSP-BF609BBCZ-5**  
Analog Devices Inc.  
IC DSP CTRLR DUAL 349CSBGA



**ADSP-BF702BCPZ-3**  
Analog Devices Inc.  
IC DSP LP 256KB L2SR 88LFCSP

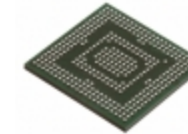
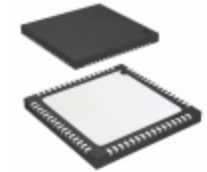


**ADSP-BF700BCPZ-2**Analog Devices Inc.  
IC DSP LP 128KB L2SR 88LFCSP**ADSP-BF704BCPZ-4**Analog Devices Inc.  
IC DSP LP 512KB L2SR 88LFCSP**ADSP-BF701KBCZ-1**Analog Devices Inc.  
IC DSP LP 128KB L2SR 184BGA**ADSP-BF706BCPZ-4**Analog Devices Inc.  
IC DSP LP 1024KB L2SR 88LFCSP**ADSP-BF561SKBZ6ENG**

ADI (Analog Devices, Inc.)

**ADSP-BF607KBCZ-5**Analog Devices Inc.  
IC DSP CTRL DUAL 349CSBGA**ADSP-BF702KCPZ-4**Analog Devices Inc.  
IC DSP LP 256KB L2SR 88LFCSP**ADSP-BF608CBCZ-5**

ADI (Analog Devices, Inc.)

**ADSP-BF561SKBZ600**Analog Devices Inc.  
IC DSP 32BIT 600MHZ 297BGA**ADSP-BF607BBCZ-5**Analog Devices Inc.  
IC DSP CTRLR 349CSBGA**ADSP-BF592BCPZ**Analog Devices Inc.  
IC DSP CTRLR 64LFCSP**ADSP-BF592KCPZ**Analog Devices Inc.  
IC DSP CTRLR 64LFCSP

## 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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