

Image may be representation.  
See specifications for product details.



## ADSP-BF538BBCZ-5A

Manufacturer Part Number	<a href="#">ADSP-BF538BBCZ-5A</a>
Manufacturer	<a href="#">Analog Devices, Inc.</a>
Allelco Part Number	32D-ADSP-BF538BBCZ-5A
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC DSP CTRL 16BIT 316CSBGA
Package	316-LFBGA, CSPBGA
Data sheet	<a href="#">Blackfin Processor Family.pdf</a>
	<a href="#">ADSP-BF538(F).pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

ADSP-BF538BBCZ-5A - Analog Devices Inc..New Original in Stock. Download Linear Technology ADSP-BF538BBCZ-5A datasheet/specifications on AllelcoElec.com.  
Request a quote for ADSP-BF538BBCZ-5A, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ADSP-BF538BBCZ-5A Tech Specifications  
ADSP-BF538BBCZ-5A - 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 (TA)
Voltage - I/O	2.50V, 3.30V	On-Chip RAM	148kB
Voltage - Core	1.25V	Non-Volatile Memory	External
Type	Fixed Point	Mounting Type	Surface Mount
Supplier Device Package	316-CSPBGA (17x17)	Interface	CAN, SPI, SSP, TWI, UART
Series	Blackfin®	Clock Rate	533MHz
Package / Case	316-LFBGA, CSPBGA	Base Product Number	ADSP-BF538
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADSP-BF538BBCZ-5A

Product Attribute				
Part Number	ADSP-BF538BBCZ-5A	ADSP-BF537BBC-5A	ADSP-BF537KBCZ-6B	ADSP-BF536BBCZ-4A
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Series	Blackfin®	Blackfin®	Blackfin®	Blackfin®
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Interface	CAN, SPI, SSP, TWI, UART	CAN, SPI, SSP, TWI, UART	CAN, SPI, SSP, TWI, UART	CAN, SPI, SSP, TWI, UART
Package	Tray	Tray	Tray	Tray
Base Product Number	ADSP-BF538	ADSP-BF537	ADSP-BF537	ADSP-BF536
Clock Rate	533MHz	500MHz	600MHz	400MHz
Supplier Device Package	316-CSPBGA (17x17)	182-CSPBGA (12x12)	208-CSPBGA (17x17)	182-CSPBGA (12x12)
Non-Volatile Memory	External	External	External	External
Voltage - Core	1.25V	1.26V	1.26V	1.20V
Voltage - I/O	2.50V, 3.30V	2.50V, 3.30V	2.50V, 3.30V	2.50V, 3.30V
On-Chip RAM	148kB	132kB	132kB	100kB
Type	Fixed Point	Fixed Point	Fixed Point	Fixed Point
Package / Case	316-LFBGA, CSPBGA	182-LFBGA, CSPBGA	208-FBGA, CSPBGA	182-LFBGA, CSPBGA

### ADSP-BF538BBCZ-5A Datasheet PDF

Download ADSP-BF538BBCZ-5A pdf datasheets and Analog Devices Inc. documentation for ADSP-BF538BBCZ-5A - Analog Devices Inc..

#### Datasheets

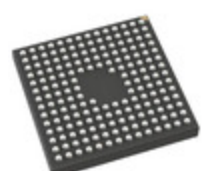
- [Blackfin Processor Family.pdf](#)
- [ADSP-BF538\(F\).pdf](#)

#### PCN Design/Specification

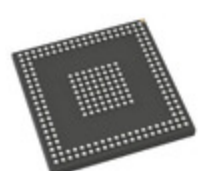
- [ADSP-BF538\(F\) Datasheet Update 25/Nov/2013.pdf](#)

### Customers Also Interested in

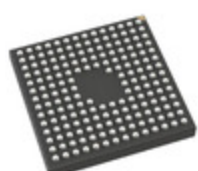
#### Recommended Products



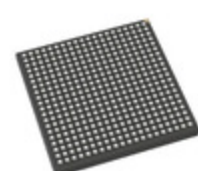
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Analog Devices Inc.  
IC DSP CTRL 16BIT 182CSBGA



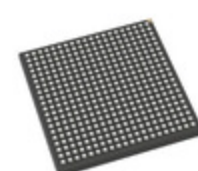
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Analog Devices Inc.  
IC DSP CTRL 16BIT 208CSPBGA



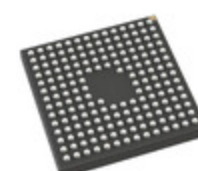
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Analog Devices Inc.  
IC DSP CTRL 16BIT 182CSBGA



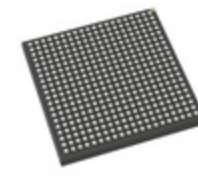
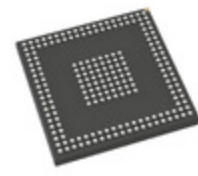
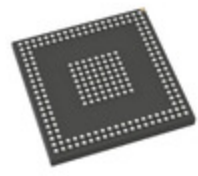
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Analog Devices Inc.  
IC DSP 16BIT 533MHZ 400CSBGA



**ADSP-BF542BBCZ-4A**  
Analog Devices Inc.  
IC DSP 16BIT 400MHZ 400CSBGA



**ADSP-BF537BBCZ-5A**  
Analog Devices Inc.  
IC DSP CTRL 16BIT 182CSPBGA



### ADSP-BF539BBCZ-4F8

ADI (Analog Devices, Inc.)

### ADSP-BF537KBCZ-6BV

Analog Devices Inc.  
IC DSP CTRL 16BIT 208CSBGA

### ADSP-BF539

Analog Technologies

### ADSP-BF536BBCZ-4B

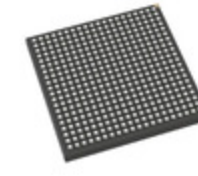
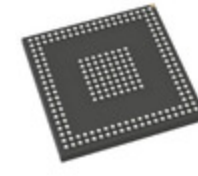
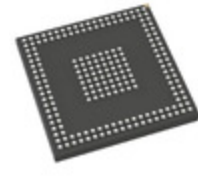
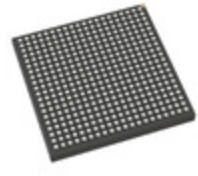
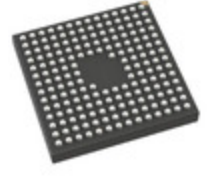
Analog Devices Inc.  
IC DSP CTRL 16BIT 208CSBGA

### ADSP-BF547MBBCZ-5M

Analog Devices Inc.  
IC DSP 16BIT 533MHZ MDDR  
400CBGA

### ADSP-BF539BBCZ-4F4

ADI (Analog Devices, Inc.)



### ADSP-BF537BBCZ-5AV

Analog Devices Inc.  
IC DSP CTRL 16BIT 182CSBGA

### ADSP-BF542BBCZ-5A

Analog Devices Inc.  
IC DSP 16BIT 533MHZ 400CSBGA

### ADSP-BF536BBCZ3A

ADI (Analog Devices, Inc.)

### ADSP-BF537BBCZ-5B

Analog Devices Inc.  
IC DSP CTRL 16BIT 208CSBGA

### ADSP-BF537BBCZ-5BV

Analog Devices Inc.  
IC DSP CTRL 16BIT 208CSBGA

### ADSP-BF548BBCZ-5A

Analog Devices Inc.  
IC DSP 16BIT 533MHZ 400CSBGA

## 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  
 Email  
 +00852 9146 4856      info@allelco.com

## Certifications & Memberships



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