

Image may be representation.
See specifications for product details.



ADSP-BF512KSWZ-3

Manufacturer Part Number	ADSP-BF512KSWZ-3
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-ADSP-BF512KSWZ-3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC DSP 16/32B 300MHZ LP 176LQFP
Package	176-LQFP Exposed Pad
Data sheet	Blackfin Processor Family.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ADSP-BF512KSWZ-3 - Analog Devices Inc..New Original in Stock. Download Linear Technology ADSP-BF512KSWZ-3 datasheet/specifications on AllelcoElec.com.
Request a quote for ADSP-BF512KSWZ-3, please send us email: info@allelco.com

Specifications

ADSP-BF512KSWZ-3 Tech Specifications
ADSP-BF512KSWZ-3 - 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	116kB
Voltage - Core	1.30V	Non-Volatile Memory	External
Type	Fixed Point	Mounting Type	Surface Mount
Supplier Device Package	176-LQFP-EP (24x24)	Interface	I ² C, PPI, SPI, SPORT, UART/USART
Series	Blackfin®	Clock Rate	300MHz
Package / Case	176-LQFP Exposed Pad	Base Product Number	ADSP-BF512
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADSP-BF512KSWZ-3

Product Attribute				
Part Number	ADSP-BF512KSWZ-3	ADSP-BF514KBCZ-4	ADSP-BF504KCPZ-3F	ADSP-BF512BSWZ-4
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	ADSP-BF512	ADSP-BF514	ADSP-BF504	ADSP-BF512
Series	Blackfin®	Blackfin®	Blackfin®	Blackfin®
Voltage - Core	1.30V	1.30V	1.31V	1.30V
Non-Volatile Memory	External	External	FLASH (16MB)	External
Package	Tray	Tray	Tray	Tray
Operating Temperature	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
Voltage - I/O	1.8V, 2.5V, 3.3V	1.8V, 2.5V, 3.3V	3.30V	1.8V, 2.5V, 3.3V
Type	Fixed Point	Fixed Point	Fixed Point	Fixed Point
On-Chip RAM	116kB	116kB	68kB	116kB
Interface	I ² C, PPI, SPI, SPORT, UART/USART	I ² C, PPI, RSI, SPI, SPORT, UART/USART	CAN, EBI/EMI, I ² C, IrDA, PPI, SPI, SPORT, UART/USART	I ² C, PPI, SPI, SPORT, UART/USART
Supplier Device Package	176-LQFP-EP (24x24)	168-CSPBGA (12x12)	88-LFCSP-VQ (12x12)	176-LQFP-EP (24x24)
Package / Case	176-LQFP Exposed Pad	168-LFBGA, CSPBGA	88-VFQFN Exposed Pad, CSP	176-LQFP Exposed Pad
Clock Rate	300MHz	400MHz	300MHz	400MHz

ADSP-BF512KSWZ-3 Datasheet PDF

Download ADSP-BF512KSWZ-3 pdf datasheets and Analog Devices Inc. documentation for ADSP-BF512KSWZ-3 - Analog Devices Inc..

HTML Datasheet

[Blackfin Processor Family.pdf](#)

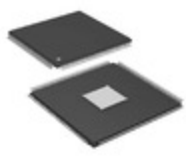
PCN Assembly/Origin

[2.73KHz.pdf](#)

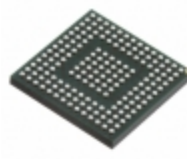
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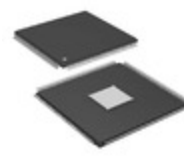
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Analog Devices Inc. IC DSP 16/32B 400MHZ 168CSBGA	Analog Devices Inc. IC CCD SIGNAL PROCESSOR 88LFCSP	ADI (Analog Devices, Inc.)	Analog Devices Inc. IC DSP 16/32B 400MHZ LP 176LQFP	Analog Devices Inc. IC DSP 16/32B 400MHZ 168CSBGA	Analog Devices Inc. IC DSP 16/32B 400MHZ 176LQFP



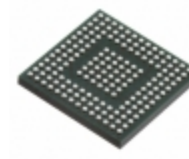
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Analog Devices Inc.
IC DSP 16/32B 400MHZ LP 176LQFP



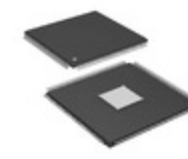
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Analog Devices Inc.
IC DSP 16/32B 400MHZ 168CSBGA



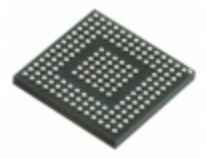
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IC DSP 16/32B 300MHZ LP 176LQFP



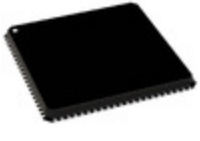
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IC DSP 16/32B 400MHZ 168CSBGA



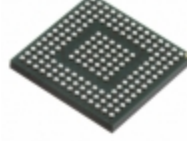
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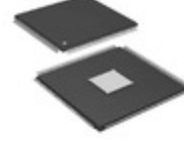
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IC DSP 16/32B 400MHZ 168CSBGA



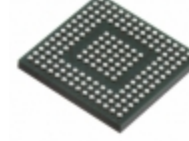
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Analog Devices Inc.
IC CCD SIGNAL PROCESSOR 88LFCSP



ADSP-BF516KBCZ-3
Analog Devices Inc.
IC DSP 16/32B 300MHZ 168CSBGA



ADSP-BF512KSWZ-4
Analog Devices Inc.
IC DSP 16/32B 400MHZ LP 176LQFP



ADSP-BF512KBCZ-3
Analog Devices Inc.
IC DSP 16/32B 300MHZ 168CSBGA



ADSP-BF506FBSWZ-3F
ADI (Analog Devices, Inc.)



ADSP-BF512BSWZ
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.

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 Email
info@allelco.com

Certifications & Memberships



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