



# ADUC7122BBCZ

Manufacturer Part Number	<b>ADUC7122BBCZ</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-ADUC7122BBCZ
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 126KB FLASH 108BGA
Package	108-LFBGA, CSPBGA
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	ROHS3 Compliant



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## Specifications

ADUC7122BBCZ Tech Specifications

ADUC7122BBCZ - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	Operating Temperature	-10°C ~ 95°C (TA)
Supplier Device Package	108-CSPBGA (7x7)	Number of I/O	32
Speed	41.78MHz	Mounting Type	Surface Mount
Series	MicroConverter® ADuC7xxx	EEPROM Size	-
RAM Size	2K x 32	Data Converters	A/D 13x12b; D/A 12x12b
Program Memory Type	FLASH	Core Size	16/32-Bit
Program Memory Size	126KB (63K x 16)	Core Processor	ARM7®
Peripherals	POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	108-LFBGA, CSPBGA	Base Product Number	ADUC7122
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUC7122BBCZ

Product Attribute				
Part Number	ADUC7122BBCZ	<a href="#">ADUC812BCPZ</a>	<a href="#">ADUC7128BCPZ126</a>	<a href="#">ADUC7060BCPZ32</a>
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Series	MicroConverter® ADuC7xxx	MicroConverter® ADuC8xx	MicroConverter® ADuC7xxx	MicroConverter® ADuC7xxx
Core Size	16/32-Bit	8-Bit	16/32-Bit	16/32-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	41.78MHz	16MHz	41.78MHz	10MHz
Supplier Device Package	108-CSPBGA (7x7)	56-LFCSP-VQ (8x8)	64-LFCSP-VQ (9x9)	48-LFCSP-VQ (7x7)
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	POR, PWM, WDT	PSM, Temp Sensor, WDT	PLA, POR, PWM, PSM, Temp Sensor, WDT	POR, PWM, Temp Sensor, WDT
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	2.7V ~ 5.5V	3V ~ 3.6V	2.375V ~ 2.625V
Program Memory Size	126KB (63K x 16)	8KB (8K x 8)	126KB (63K x 16)	32KB (16K x 16)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	ARM7®	8052	ARM7®	ARM7®
Package / Case	108-LFBGA, CSPBGA	56-VFQFN Exposed Pad, CSP	64-VFQFN Exposed Pad, CSP	48-VFQFN Exposed Pad, CSP
EEPROM Size	-	640 x 8	-	-
Base Product Number	ADUC7122	ADUC812	ADUC7128	ADUC7060
Number of I/O	32	34	28	14
Package	Tray	Tray	Tray	Tray
Operating Temperature	-10°C ~ 95°C (TA)	-40°C ~ 85°C	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Data Converters	A/D 13x12b; D/A 12x12b	A/D 8x12b; D/A 2x12b	A/D 10x12b; D/A 1x10b	A/D 5x24b, 8x24b; D/A 1x14b
RAM Size	2K x 32	256 x 8	2K x 32	1K x 32

## ADUC7122BBCZ Datasheet PDF

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### Datasheets


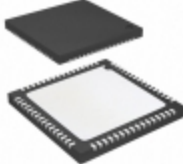
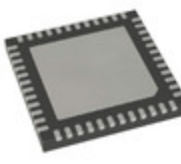















[Cylindrical Battery Holders.pdf](#)

### PCN Design/Specification

[Cylindrical Battery Holders.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>ADUC812BCPZ</b> Analog Devices Inc. IC MCU 8BIT 8KB FLASH 56LFCSP	<b>ADUC7128BCPZ126</b> Analog Devices Inc. IC MCU 16/32B 126KB FLSH 64LFCSP	<b>ADUC7060BCPZ32</b> Analog Devices Inc. IC MCU 16/32B 32KB FLASH 48LFCSP	<b>ADUC7039WBCPZ</b> Analog Devices Inc. IC MCU 16/32B 64KB FLASH 32LFCSP	<b>ADUC812BSZ</b> Analog Devices Inc. IC MCU 8BIT 8KB FLASH 52MQFP	<b>ADUC7128BSTZ126</b> Analog Devices Inc. IC MCU 16/32B 126KB FLASH 64LQFP
					
<b>ADUC812BS</b> Analog Devices Inc. IC MCU 8BIT 8KB FLASH 52MQFP	<b>ADUC7129BSTZ126</b> Analog Devices Inc. IC MCU 16/32B 126KB FLASH 80LQFP	<b>ADUC7229BCPZ126</b> ADI (Analog Devices, Inc.)	<b>ADUC7060BSTZ32</b> Analog Devices Inc. IC MCU 16/32BIT 32KB FLSH 48LQFP	<b>ADUC7061BCPZ32</b> Analog Devices Inc. IC MCU 16/32B 32KB FLASH 32LFCSP	<b>ADUC7126BSTZ126I</b> Analog Devices Inc. IC MCU 16/32B 126KB FLASH 80LQFP
					
<b>ADUC7120BBCZ</b> Analog Devices Inc. IC MCU 32BIT 126KB FLASH 108BGA	<b>ADUC7061BCPZ32-RL</b> Analog Devices Inc. IC MCU 16/32B 32KB FLASH 32LFCSP	<b>ADUC7129BSTZ126-RL</b> Analog Devices Inc. IC MCU 16/32B 126KB FLASH 80LQFP	<b>ADUC70TEL-RL7</b> ADI (Analog Devices, Inc.)	<b>ADUC7121BBCZ</b> Analog Devices Inc. IC MCU 32BIT 126KB FLASH 108BGA	<b>ADUC7060BSTZ32-RL</b> Analog Devices Inc. IC MCU 16/32BIT 32KB FLSH 48LQFP

## 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.

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The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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