



Image may be representation.
See specifications for product details.



ADUC831BSZ-REEL

Manufacturer Part Number	ADUC831BSZ-REEL
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-ADUC831BSZ-REEL
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 62KB FLASH 52MQFP
Package	52-QFP
Data sheet	ADUC831.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ADUC831BSZ-REEL - Analog Devices Inc..New Original in Stock. Download Linear Technology ADUC831BSZ-REEL datasheet/specifications on AllelcoElec.com.
Request a quote for ADUC831BSZ-REEL, please send us email: info@allelco.com

Specifications

ADUC831BSZ-REEL Tech Specifications
ADUC831BSZ-REEL - 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)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	52-MQFP (10x10)	Number of I/O	34
Speed	16MHz	Mounting Type	Surface Mount
Series	MicroConverter® ADuC8xx	EEPROM Size	4K x 8
RAM Size	2.25K x 8	Data Converters	A/D 8x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	62KB (62K x 8)	Core Processor	8052
Peripherals	PSM, Temp Sensor, WDT	Connectivity	EBI/EMI, I ² C, SPI, UART/USART
Package / Case	52-QFP	Base Product Number	ADUC831
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUC831BSZ-REEL

Product Attribute				
Part Number	ADUC831BSZ-REEL	ADUC836BCPZ-REEL	ADUC836BCP	ADUC824BSZ
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	62KB (62K x 8)	62KB (62K x 8)	62KB (62K x 8)	8KB (8K x 8)
Package / Case	52-QFP	56-VFQFN Exposed Pad, CSP	56-VFQFN Exposed Pad, CSP	52-QFP
EEPROM Size	4K x 8	4K x 8	4K x 8	640 x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	8052	8052	8052	8052
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bag	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 8x12b; D/A 2x12b	A/D 7x16b; D/A 1x12b	A/D 7x16b; D/A 1x12b	A/D 3x16b, 4x24b; D/A 1x12b
Base Product Number	ADUC831	ADUC836	ADUC836	ADUC824
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C	-40°C ~ 85°C (TA)
Series	MicroConverter® ADuC8xx	MicroConverter® ADuC8xx	MicroConverter® ADuC8xx	MicroConverter® ADuC8xx
Number of I/O	34	34	34	34
Peripherals	PSM, Temp Sensor, WDT	POR, PSM, PWM, Temp Sensor, WDT	POR, PSM, PWM, Temp Sensor, WDT	POR, PSM, Temp Sensor, WDT
RAM Size	2.25K x 8	2.25K x 8	2.25K x 8	256 x 8
Connectivity	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART
Supplier Device Package	52-MQFP (10x10)	56-LFCSP-VQ (8x8)	56-LFCSP-VQ (8x8)	52-MQFP (10x10)
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.25V	2.7V ~ 5.25V	2.7V ~ 5.25V
Speed	16MHz	12.58MHz	12.58MHz	12.58MHz

ADUC831BSZ-REEL Datasheet PDF

Download ADUC831BSZ-REEL pdf datasheets and Analog Devices Inc. documentation for ADUC831BSZ-REEL - Analog Devices Inc..

Datasheets

[ADUC831.pdf](#)

Other Related Documents

[Tape and Reel Packaging.pdf](#)



Assembly Relocation 05/May/2016.pdf

Customers Also Interested in

Recommended Products



ADUC836BCPZ-REEL

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 56LFCSP



ADUC836BCP

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 56LFCSP



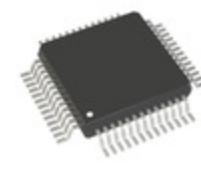
ADUC824BSZ

Analog Devices Inc.
IC MCU 8BIT 8KB FLASH 52MQFP



ADUC814BRUZ

Analog Devices Inc.
IC MCU 8BIT 8KB FLASH 28TSSOP



ADUC832BSZ

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 52MQFP



ADUC831BCPZ

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 56LFCSP



ADUC836BSZ

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 52MQFP



ADUC832BS

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 52MQFP



ADUC816BSZ

Analog Devices Inc.
IC MCU 8BIT 8KB FLASH 52MQFP



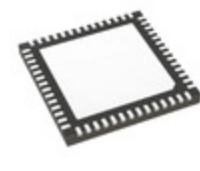
ADUC834BSZ

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 52MQFP



ADUC824BCPZ

Analog Devices Inc.
IC MCU 8BIT 8KB FLASH 56LFCSP



ADUC816BCP

Analog Devices Inc.
IC MCU 8BIT 8KB FLASH 56LFCSP



ADUC834BS

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 52MQFP



ADUC824BS

Analog Devices Inc.
IC MCU 8BIT 8KB FLASH 52MQFP



ADUC832BSZ-REEL

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 52MQFP



ADUC831BSZ

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 52MQFP



ADUC816BS

Analog Devices Inc.
IC MCU 8BIT 8KB FLASH 52MQFP



ADUC836BS

Analog Devices Inc.
IC MCU 8BIT 62KB FLASH 52MQFP

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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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com