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See specifications for product details.



ADUC7027BSTZ62

Manufacturer Part Number	ADUC7027BSTZ62
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-ADUC7027BSTZ62
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 16/32BIT 62KB FLSH 80LQFP
Package	80-LQFP
Data sheet	ADUC7019-29.pdf
RoHs Status	ROHS3 Compliant

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Specifications

ADUC7027BSTZ62 Tech Specifications
ADUC7027BSTZ62 - 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 ~ 3.6V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	80-LQFP (12x12)	Number of I/O	40
Speed	44MHz	Mounting Type	Surface Mount
Series	MicroConverter® ADuC7xxx	EEPROM Size	-
RAM Size	2K x 32	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	16/32-Bit
Program Memory Size	62KB (31K x16)	Core Processor	ARM7®
Peripherals	PLA, PWM, PSM, Temp Sensor, WDT	Connectivity	EBI/EMI, I²C, SPI, UART/USART
Package / Case	80-LQFP	Base Product Number	ADUC7027
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUC7027BSTZ62

Product Attribute				
Part Number	ADUC7027BSTZ62	ADUC7030BCPZ-8V	ADUC7025BCPZ62	ADUC7024BCPZ62I
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Supplier Device Package	80-LQFP (12x12)	48-LFCSP-VQ (7x7)	64-LFCSP-VQ (9x9)	64-LFCSP-VQ (9x9)
Data Converters	A/D 16x12b	A/D 2x16b	A/D 12x12b	A/D 10x12b; D/A 2x12b
Connectivity	EBI/EMI, I²C, SPI, UART/USART	LINbus, SPI, UART/USART	EBI/EMI, I²C, SPI, UART/USART	EBI/EMI, I²C, SPI, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	2.7V ~ 3.6V	3.5V ~ 18V	2.7V ~ 3.6V	2.7V ~ 3.6V
Number of I/O	40	9	30	30
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	PLA, PWM, PSM, Temp Sensor, WDT	POR, PSM, Temp Sensor, WDT	PLA, PWM, PSM, Temp Sensor, WDT	PLA, PWM, PSM, Temp Sensor, WDT
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	16/32-Bit	16/32-Bit	16/32-Bit	16/32-Bit
Base Product Number	ADUC7027	ADUC7030	ADUC7025	ADUC7024
Package	Tray	Tray	Tray	Tray
Core Processor	ARM7®	ARM7®	ARM7®	ARM7®
Package / Case	80-LQFP	48-VFQFN Exposed Pad, CSP	64-VFQFN Exposed Pad, CSP	64-VFQFN Exposed Pad, CSP
RAM Size	2K x 32	1K x 32	2K x 32	2K x 32
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 115°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Series	MicroConverter® ADuC7xxx	MicroConverter® ADuC7xxx	MicroConverter® ADuC7xxx	MicroConverter® ADuC7xxx
Speed	44MHz	20MHz	44MHz	44MHz
Program Memory Size	62KB (31K x16)	32KB (16K x 16)	62KB (31K x16)	62KB (31K x16)

ADUC7027BSTZ62 Datasheet PDF

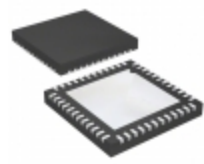
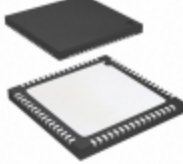
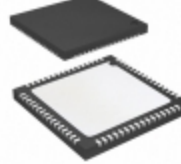

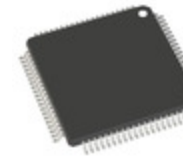
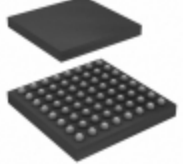

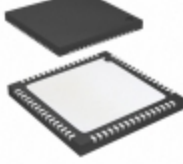







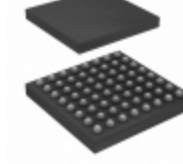


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Datasheets

[ADUC7019-29.pdf](#)

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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

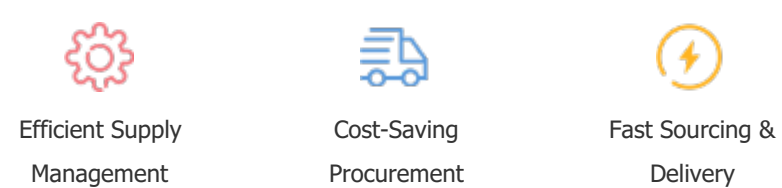
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

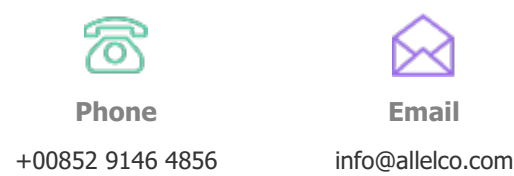
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Contact us if you have any questions.



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