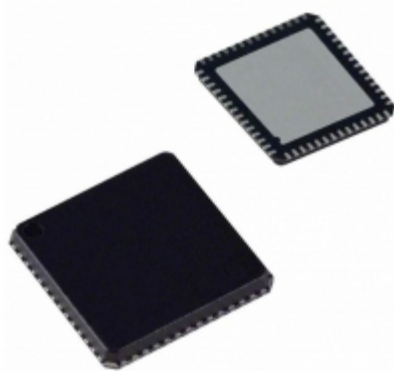


ADUC842BCPZ32-3





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Part Number: [ADUC842BCPZ32-3](#)

Manufacturer: [ADI \(Analog Devices, Inc.\)](#)

Description: IC MCU 8BIT 32KB FLASH 56LFCSP

Data sheet:  [ADuC841,42,43](#)  
 [ACUC84\(2,3\) Quick Reference](#)

RoHs Status: Lead free / RoHS Compliant

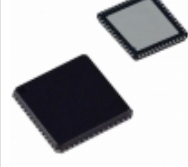
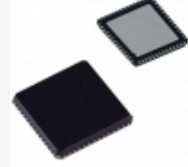
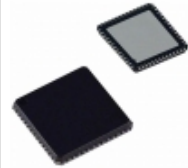
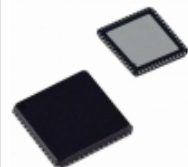
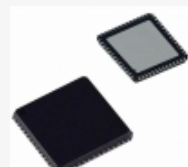
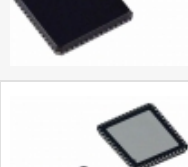
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                      |                                 |                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ADUC842BCPZ32-3                                                                                      | Manufacturer                    | <a href="#">ADI (Analog Devices, Inc.)</a>                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IC MCU 8BIT 32KB FLASH 56LFCSP                                                                       | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7767 pcs                                                                                             | Data sheet                      | <a href="#">ADuC841.42.43</a><br><a href="#">ACUC84(2,3) Quick Reference</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Integrated Circuits (ICs)</a>                                                            | Voltage - Supply (Vcc/Vdd)      | <a href="#">Reference</a><br>2.7 V ~ 3.6 V                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 56-LFCSP-VQ (8x8)                                                                                    | Speed                           | 8.38MHz                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MicroConverter® ADuC8xx                                                                              | RAM Size                        | 2.25K x 8                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FLASH                                                                                                | Program Memory Size             | 32KB (32K x 8)                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DMA, PSM, PWM, Temp Sensor, WDT                                                                      | Packaging                       | Tray                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 56-VFQFN Exposed Pad, CSP                                                                            | Oscillator Type                 | Internal                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -40°C ~ 85°C (TA)                                                                                    | Number of I/O                   | 32                                                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 (168 Hours)                                                                                        | Manufacturer Standard Lead Time | 7 Weeks                                                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lead free / RoHS Compliant                                                                           | EEPROM Size                     | -                                                                            |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8052 MicroConverter® ADuC8xx Microcontroller IC 8-Bit 8.38MHz 32KB (32K x 8) FLASH 56-LFCSP-VQ (8x8) | Data Converters                 | A/D 8x12b, D/A 2x12b                                                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8-Bit                                                                                                | Core Processor                  | 8052                                                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PC, SPI, UART/USART                                                                                  | Base Part Number                | ADUC842                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                           |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
|  | Part#: <a href="#">ADUC834BSZ</a><br>Description: IC MCU 8BIT 62KB FLASH 52MQFP        | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC841BCPZ62-3</a><br>Description: IC MCU 8BIT 62KB FLASH 56LFCSP  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC836BCPZ-REEL</a><br>Description: IC MCU 8BIT 62KB FLASH 56LFCSP | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC836BCPZ</a><br>Description: IC MCU 8BIT 62KB FLASH 56LFCSP      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC842BCPZ8-5</a><br>Description: IC MCU 8BIT 8KB FLASH 56LFCSP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC842BSZ62-3</a><br>Description: IC MCU 8BIT 62KB FLASH 52MQFP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC842BCPZ32-5</a><br>Description: IC MCU 8BIT 32KB FLASH 56LFCSP  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC841BCPZ8-3</a><br>Description: IC MCU 8BIT 8KB FLASH 56LFCSP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC836BSZ</a><br>Description: IC MCU 8BIT 62KB FLASH 52MQFP        | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC842BSZ62-5</a><br>Description: IC MCU 8BIT 62KB FLASH 52MQFP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUC843BCPZ32-3</a><br>Description: IC MCU 8BIT 32KB FLASH 56LFCSP  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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