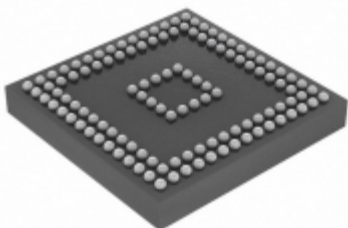


ADUCM350BBCZ-RL





AHEAD OF WHAT'S POSSIBLE™

Part Number: [ADUCM350BBCZ-RL](#)

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

Description: IC MCU 32BIT 384KB FLASH 120BGA

Data sheet:  [ADuCM350](#)

RoHs Status: Lead free / RoHS Compliant

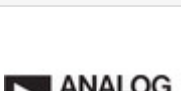
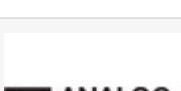
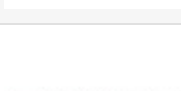
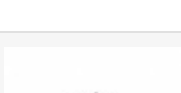
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                        | ADUCM350BBCZ-RL                                                                               | Manufacturer                    | <a href="#">ADI (Analog Devices, Inc.)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 32BIT 384KB FLASH 120BGA                                                               | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                 | 10840 pcs                                                                                     | Data sheet                      | <a href="#">ADuCM350</a>                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>                                                     | Voltage - Supply (Vcc/Vdd)      | 2.5 V ~ 3.6 V                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                            | 120-CSPBGA (8x8)                                                                              | Speed                           | 16MHz                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                             | ADuCM                                                                                         | RAM Size                        | 32K x 8                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                                         | Program Memory Size             | 384KB (384K x 8)                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, I <sup>2</sup> S, LCD, POR, WDT                                                          | Packaging                       | Tape & Reel (TR)                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                     | 120-LFBGA, CSPBGA                                                                             | Oscillator Type                 | Internal                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                                                                             | Number of I/O                   | 66                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                   | 3 (168 Hours)                                                                                 | Manufacturer Standard Lead Time | 7 Weeks                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                                                                    | EEPROM Size                     | 16K x 8                                    |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                               | ARM® Cortex®-M3 ADuCM Microcontroller IC 32-Bit 16MHz 384KB (384K x 8) FLASH 120-CSPBGA (8x8) | Data Converters                 | A/D 12x16b, D/A 1x12b                      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                          | 32-Bit                                                                                        | Core Processor                  | ARM® Cortex®-M3                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                       | I <sup>2</sup> C, SPI, UART/USART, USB                                                        | Base Part Number                | ADUCM350                                   |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                           |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
|  | Part#: <a href="#">ADUCM331WBCPZ-RL</a><br>Description: IC MCU 32BIT 128KB FLASH 32LFCSP   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM362BCPZ128RL7</a><br>Description: IC MCU 32BIT 128KB FLASH 48LFCSP | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM363BCPZ128</a><br>Description: IC MCU 32BIT 128KB FLASH 48LFCSP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM360BCPZ128</a><br>Description: IC MCU 32BIT 128KB FLASH 48LFCSP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM330WDCPZ</a><br>Description: IC MCU 32BIT 96KB FLASH 32LFCSP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM331WBCPZ</a><br>Description: IC MCU 32BIT 128KB FLASH 32LFCSP      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM322BBCZI</a><br>Description: IC MCU 32BIT 256KB FLASH 96BGA        | Manufacturers: <a href="#">Analog Devices Inc.</a>        | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM361BCPZ128</a><br>Description: IC MCU 32BIT 128KB FLASH 48LFCSP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM331WDCPZ</a><br>Description: IC MCU 32BIT 128KB FLASH 32LFCSP      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM363BCPZ128RL7</a><br>Description: IC MCU 32BIT 128KB FLASH 48LFCSP | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM360BCPZ128-R7</a><br>Description: IC MCU 32BIT 128KB FLASH 48LFCSP | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM350BBCZ</a><br>Description: IC MCU 32BIT 384KB FLASH 120BGA        | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM322BBCZI-RL</a><br>Description: IC MCU 32BIT 256KB FLASH 96BGA     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM322BBCZ-RL</a><br>Description: IC MCU 32BIT 256KB FLASH 96BGA      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM362BCPZ256</a><br>Description: IC MCU 32BIT 256KB FLASH 48LFCSP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM362BCPZ128</a><br>Description: IC MCU 32BIT 128KB FLASH 48LFCSP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM362BCPZ256RL7</a><br>Description: IC MCU 32BIT 256KB FLASH 48LFCSP | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM361BCPZ128-R7</a><br>Description: IC MCU 32BIT 128KB FLASH 48LFCSP | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM331WDCPZ-RL</a><br>Description: IC MCU 32BIT 128KB FLASH 32LFCSP   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADUCM330WDCPZ-RL</a><br>Description: IC MCU 32BIT 96KB FLASH 32LFCSP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |

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