



APOLLO256-KCR

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | APOLLO256-KCR                                                                                                       |
| Manufacturer/Brand: | Ambiq Micro, Inc.                                                                                                   |
| Product description | IC MCU 32BIT 256KB FLASH 41WLCSP                                                                                    |
| Datasheets:         |  <a href="#">APOLLO256-KCR.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 47618 pcs stock                                                                                                     |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

REQUEST FOR QUOTATION

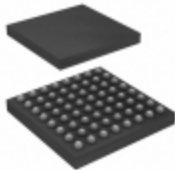
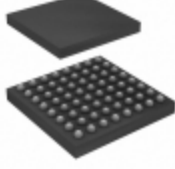
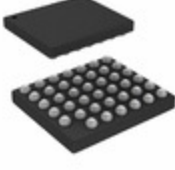
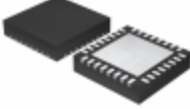
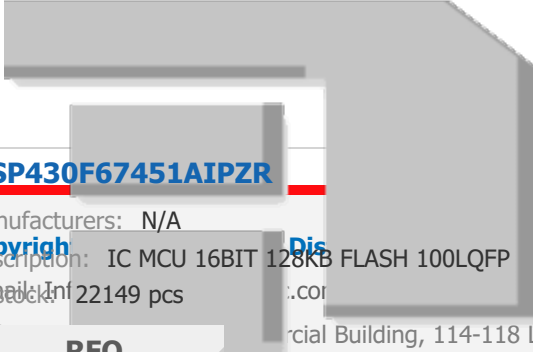
Specifications of APOLLO256-KCR

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | APOLLO256-KCR                                                                                                         |
| MANUFACTURER                     | Ambiq Micro, Inc.                                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 41WLCSP                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| QUANTITY AVAILABLE               | 47618 pcs                                                                                                             |
| DATA SHEET                       |  <a href="#">APOLLO256-KCR.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.8 V                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 41-CSPBGA (2.9x2.49)                                                                                                  |
| SPEED                            | 24MHz                                                                                                                 |
| SERIES                           | Apollo1                                                                                                               |
| RAM SIZE                         | 32K x 8                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                 |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, WDT                                                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                                      |
| PACKAGE / CASE                   | 41-UFBGA, CSPBGA                                                                                                      |
| OTHER NAMES                      | 1822-1010-2                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                     |
| NUMBER OF I/O                    | 41                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| EEPROM SIZE                      | -                                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4F Apollo1 Microcontroller IC 32-Bit 24MHz 256KB (256K x 8) FLASH 41-CSPBGA (2.9x2.49)                  |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                             |
| CORE SIZE                        | 32-Bit                                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                                      |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                  |

Related Tags

|                                 |                                  |                                     |
|---------------------------------|----------------------------------|-------------------------------------|
| Ambiq Micro, Inc. APOLLO256-KCR | APOLLO256-KCR Distributor        | APOLLO256-KCR Supplier              |
| APOLLO256-KCR Price             | APOLLO256-KCR Pictures           | APOLLO256-KCR Image                 |
| APOLLO256-KCR PDF Datasheet     | APOLLO256-KCR Download Datasheet | APOLLO256-KCR Datasheet             |
| APOLLO256-KCR Stock             | Buy APOLLO256-KCR                | Buy Ambiq Micro, Inc. APOLLO256-KCR |
| Ambiq Micro, Inc. APOLLO256-KCR | Ambiq Micro, Inc. Supplier       | Ambiq Micro, Inc. Distributor       |
| Ambiq Micro, Inc. APOLLO256-KCR |                                  |                                     |

Related Products

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| <div></div> <div><b>APOLLO512-KBR</b><br/>Manufacturers: Ambiq Micro, Inc.<br/>Description: IC MCU 32BIT 512KB FLASH 64BGA<br/>In stock: 16556 pcs<br/><div>RFQ</div></div>              | <div></div> <div><b>R5F100LG DFA#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 64LQFP<br/>In stock: 26594 pcs<br/><div>RFQ</div></div>         |
| <div></div> <div><b>R5F101LCABG#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 32KB FLASH 64VFBGA<br/>In stock: 31623 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>PIC18F26K20-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 28SOIC<br/>In stock: 31516 pcs<br/><div>RFQ</div></div>        |
| <div></div> <div><b>APOLLO256-KBR</b><br/>Manufacturers: Ambiq Micro, Inc.<br/>Description: IC MCU 32BIT 256KB FLASH 64BGA<br/>In stock: 44940 pcs<br/><div>RFQ</div></div>              | <div></div> <div><b>PIC32MZ0512EFE064-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: 13206 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATMEGA324PB-MNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44VQFN<br/>In stock: 53594 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>R5F104BFAFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 96KB FLASH 32LQFP<br/>In stock: 55594 pcs<br/><div>RFQ</div></div>           |
| <div></div> <div><b>APOLLO512-KCR</b><br/>Manufacturers: Ambiq Micro, Inc.<br/>Description: IC MCU 32BIT 512KB FLASH 41WLCSP<br/>In stock: 38832 pcs<br/><div>RFQ</div></div>            | <div></div> <div><b>ATSAMD20E16B-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32QFN IND TEMP, GREEN,1.6-3.6V,4<br/>In stock: 48601 pcs<br/><div>RFQ</div></div>      |
| <div></div> <div><b>MSP430F67451AIPZR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 128KB FLASH 100LQFP<br/>In stock: 22149 pcs<br/><div>RFQ</div></div>                      | <div></div> <div><b>ATSAMD21E16B-UUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 35WLCSP<br/>In stock: 45697 pcs<br/><div>RFQ</div></div>      |