



APOLLO256-KBR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | APOLLO256-KBR                                                                                                |
| Manufacturer/Brand: | Ambiq Micro, Inc.                                                                                            |
| Product description | IC MCU 32BIT 256KB FLASH 64BGA                                                                               |
| Datasheets:         |  APOLLO256-KBR.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 44940 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

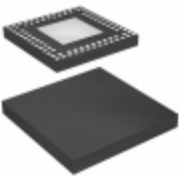
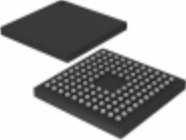
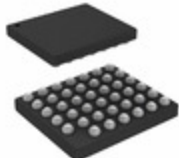
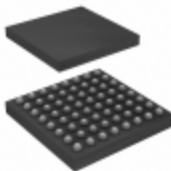
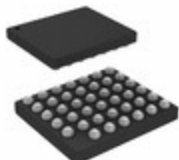
Specifications of APOLLO256-KBR

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | APOLLO256-KBR                                                                                         |
| MANUFACTURER                     | Ambiq Micro, Inc.                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64BGA                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 44940 pcs                                                                                             |
| DATA SHEET                       |  APOLLO256-KBR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.8 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 64-BGA (4.5x4.5)                                                                                      |
| 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                   | 64-WFBGA                                                                                              |
| OTHER NAMES                      | 1822-1011-2                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                     |
| NUMBER OF I/O                    | 50                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| 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 64-BGA (4.5x4.5)      |
| 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-KBR | APOLLO256-KBR Distributor        | APOLLO256-KBR Supplier              |
| APOLLO256-KBR Price             | APOLLO256-KBR Pictures           | APOLLO256-KBR Image                 |
| APOLLO256-KBR PDF Datasheet     | APOLLO256-KBR Download Datasheet | APOLLO256-KBR Datasheet             |
| APOLLO256-KBR Stock             | Buy APOLLO256-KBR                | Buy Ambiq Micro, Inc. APOLLO256-KBR |
| Ambiq Micro, Inc. APOLLO256-KBR | Ambiq Micro, Inc. Supplier       | Ambiq Micro, Inc. Distributor       |
| Ambiq Micro, Inc. APOLLO256-KBR |                                  |                                     |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                      |
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|  <div><b>SPC5674FF3MNV3R</b><br/>Manufacturers: NXP<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: 1701 pcs</div> <div>RFQ</div>                               |  <div><b>SIM3U157-B-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 92LGA<br/>In stock: 11652 pcs</div> <div>RFQ</div>            |
|  <div><b>EFM32G890F64-BGA112T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 112BGA<br/>In stock: 39630 pcs</div> <div>RFQ</div> |  <div><b>APOLLO512-KCR</b><br/>Manufacturers: Ambiq Micro, Inc.<br/>Description: IC MCU 32BIT 512KB FLASH 41WLCSP<br/>In stock: 38832 pcs</div> <div>RFQ</div>                    |
|  <div><b>APOLLO512-KBR</b><br/>Manufacturers: Ambiq Micro, Inc.<br/>Description: IC MCU 32BIT 512KB FLASH 64BGA<br/>In stock: 16556 pcs</div> <div>RFQ</div>                  |  <div><b>PIC32M22048EFG144T-I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144TQFP<br/>In stock: 9585 pcs</div> <div>RFQ</div> |
|  <div><b>ST72F561R9TCTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 60KB FLASH 64LQFP<br/>In stock: 14157 pcs</div> <div>RFQ</div>                 |  <div><b>PIC16F716-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP<br/>In stock: 52035 pcs</div> <div>RFQ</div>         |
|  <div><b>MSP430F67641IPNR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 128KB FLASH 80LQFP<br/>In stock: 25951 pcs</div> <div>RFQ</div>                            |  <div><b>ATTINY45-15SZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 8SOIC<br/>In stock: 143186 pcs</div> <div>RFQ</div>            |
|  <div><b>SPC570S40E1CEFAR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 18260 pcs</div> <div>RFQ</div>             |  <div><b>APOLLO256-KCR</b><br/>Manufacturers: Ambiq Micro, Inc.<br/>Description: IC MCU 32BIT 256KB FLASH 41WLCSP<br/>In stock: 47618 pcs</div> <div>RFQ</div>                    |