

APOLLO256-KCR



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Part Number: [APOLLO256-KCR](#)

Manufacturer: [Ambiq Micro, Inc.](#)

Description IC MCU 32BIT 256KB FLASH 41WLCSP

Data sheet:  [Apollo256, Appolo515 Datasheet](#)

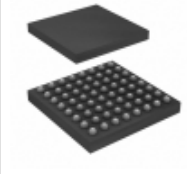
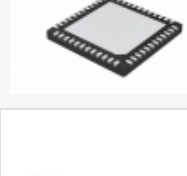
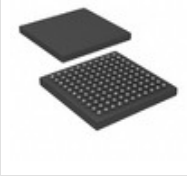
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
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	46314 pcs	Data sheet	Apollo256, Appolo515 Datasheet
Category	Integrated Circuits (ICs)	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)
Manufacturer Standard Lead Time	14 Weeks	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
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	Part#: MKV42F256VLH16 Description: IC MCU 32BIT 256KB FLASH LQFP 64	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MB91213APMC-GS-121K5E1 Description: IC MCU 32BIT 544KB MROM 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: APOLLO512-KBR Description: IC MCU 32BIT 512KB FLASH 64BGA	Manufacturers: Ambiq Micro, Inc.	RFQ
	Part#: APOLLO256-KBR Description: IC MCU 32BIT 256KB FLASH 64BGA	Manufacturers: Ambiq Micro, Inc.	RFQ
	Part#: S6E2DF5GJAMV20000 Description: IC MCU 32BIT 384KB FLASH 120LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB90F949PFR-GS Description: IC MCU 16BIT 256KB FLASH 100QFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: NANO100ND2BN Description: IC MCU 32BIT 64KB FLASH 48QFN	Manufacturers: Nuvoton Technology Corporation America	RFQ
	Part#: MB89635RPF-G-1461 Description: IC MCU 8BIT 16KB MROM 64QFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: APOLLO512-KCR Description: IC MCU 32BIT 512KB FLASH 41WLCSP	Manufacturers: Ambiq Micro, Inc.	RFQ
	Part#: PIC16LC774/L Description: IC MCU 8BIT 7KB OTP 44PLCC	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MKE14F256VLH16 Description: KINETIS KE14F: 160MHZ CORTEX-M4F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PIC24FJ512GA610-I/BG Description: IC MCU 16BIT 512KB FLASH 121BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MC56F8025VLDR Description: IC MCU 16BIT 32KB FLASH 44LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: S9S12G48F1CLCR Description: 16-BIT MCU S12 CORE 48KB FLASH	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: R5F21346XJFP#U0 Description: IC MCU 16BIT 32KB FLASH 48LFQFP	Manufacturers: Renesas Electronics America	RFQ
	Part#: PIC16C621AT-20E/SS Description: IC MCU 8BIT 1.75KB OTP 20SSOP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: Z8F1232SH020EG Description: IC MCU 8BIT 12KB FLASH 20SOIC	Manufacturers: Zilog	RFQ

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