

APOLLO512-KCR



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Part Number: [APOLLO512-KCR](#)

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

Description IC MCU 32BIT 512KB FLASH 41WLCSP

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

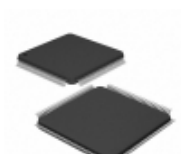
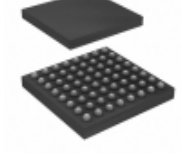
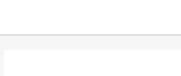
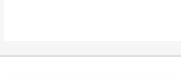
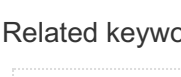
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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PRODUCT PARAMETER			
Part Number	APOLLO512-KCR	Manufacturer	Ambiq Micro, Inc.
Description	IC MCU 32BIT 512KB FLASH 41WLCSP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	43235 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	64K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, POR, WDT	Packaging	Tape & Reel (TR)
Package / Case	41-UFBGA, CSPBGA	Other Names	1822-1008-2
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 512KB (512K 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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RELATED PRODUCTS			
	Part#: S9S12GN32F1MLCR Description: 16-BIT MCU S12 CORE 32KB FLASH	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: S912XEG128J2CAAR Description: 16-BIT MCU S12X CORE 128KB FLA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MB90024PMT-GS-414E1 Description: IC MCU 16B FFMC-16F-0.35 120LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: SPC5746CSK1AMKU6 Description: 32 BITDUAL CORE3M FLASH384 RA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: APOLLO512-KBR Description: IC MCU 32BIT 512KB FLASH 64BGA	Manufacturers: Ambiq Micro, Inc.	RFQ
	Part#: ATSAM4LS8AA-MU Description: IC MCU 32BIT 512KB FLASH 48QFN	Manufacturers: Microchip Technology	RFQ
	Part#: MB89535AP-G-521-SHE1 Description: IC MCU 8BIT 16KB MROM 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MCR908JL3ECPE Description: IC MCU 8BIT 4KB FLASH 28DIP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: C8051T614-GQR Description: IC MCU 8BIT 8KB OTP 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F968-B-GQR Description: IC MCU 8BIT 16KB FLASH 80TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: DF2238ATE13V Description: IC MCU 16BIT 256KB FLASH 100TQFP	Manufacturers: Renesas Electronics America	RFQ
	Part#: APOLLO256-KBR Description: IC MCU 32BIT 256KB FLASH 64BGA	Manufacturers: Ambiq Micro, Inc.	RFQ
	Part#: PIC12C672-10E/P Description: IC MCU 8BIT 3.5KB OTP 8DIP	Manufacturers: Microchip Technology	RFQ
	Part#: R5F100LEAFB#V0 Description: IC MCU 16BIT 64KB FLASH 64LQFP	Manufacturers: Renesas Electronics America	RFQ
	Part#: MC9S08JM32CLD Description: IC MCU 8BIT 32KB FLASH 44LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: EFM32GG11B510F2048GQ64-BR Description: GIANT GECKO 11 ULTRA LOW POWER M	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: APOLLO256-KCR Description: IC MCU 32BIT 256KB FLASH 41WLCSP	Manufacturers: Ambiq Micro, Inc.	RFQ
	Part#: PIC16C77-10/L Description: IC MCU 8BIT 14KB OTP 44PLCC	Manufacturers: Microchip Technology	RFQ
	Part#: DSPIC33FJ06GS102AT-E/SO Description: IC MCU 16BIT 6KB FLASH 28SOIC	Manufacturers: Microchip Technology	RFQ
	Part#: MK20DN512VLK10R Description: KINETIS K 32-BIT MCU ARM CORTEX	Manufacturers: NXP Semiconductors / Freescale	RFQ

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