



Ambiq Micro, Inc.



The low power revolution starts here

AMAPH1KK-KCR

Part Number:	AMAPH1KK-KCR
Manufacturer/Brand:	Ambiq Micro, Inc.
Product description	IC MCU 32BIT 1MB FLASH 49WLCSP
Datasheets:	 AMAPH1KK-KCR.pdf
RoHs Status	 Lead free / RoHS Compliant
Stock Condition	25939 pcs stock
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

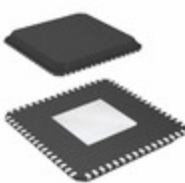
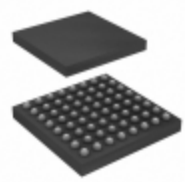
Specifications of AMAPH1KK-KCR

PART NUMBER	AMAPH1KK-KCR
MANUFACTURER	Ambiq Micro, Inc.
DESCRIPTION	IC MCU 32BIT 1MB FLASH 49WLCSP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	25939 pcs
DATA SHEET	 AMAPH1KK-KCR.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.755 V ~ 3.63 V
SUPPLIER DEVICE PACKAGE	49-CSPBGA (2.56x2.56)
SPEED	48MHz
SERIES	Apollo2
RAM SIZE	256K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	1MB (1M x 8)
PERIPHERALS	Brown-out Detect/Reset, POR, WDT
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	49-UFBGA, CSPBGA
OTHER NAMES	1822-1012-2
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	34
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4F Apollo2 Microcontroller IC 32-Bit 48MHz 1MB (1M x 8) FLASH 49-CSPBGA (2.56x2.56)
DATA CONVERTERS	A/D 11x14b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4F
CONNECTIVITY	I²C, SPI, UART/USART

Related Tags

Ambiq Micro, Inc. AMAPH1KK-KCR	AMAPH1KK-KCR Distributor	AMAPH1KK-KCR Supplier
AMAPH1KK-KCR Price	AMAPH1KK-KCR Pictures	AMAPH1KK-KCR Image
AMAPH1KK-KCR PDF Datasheet	AMAPH1KK-KCR Download Datasheet	AMAPH1KK-KCR Datasheet
AMAPH1KK-KCR Stock	Buy AMAPH1KK-KCR	Buy Ambiq Micro, Inc. AMAPH1KK-KCR
Ambiq Micro, Inc. AMAPH1KK-KCR	Ambiq Micro, Inc. Supplier	Ambiq Micro, Inc. Distributor
Ambiq Micro, Inc. AMAPH1KK-KCR		

Related Products

 SIM3L156-C-GMR Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 32BIT 128KB FLASH 64QFN In stock: 13654 pcs RFQ	 AMA146915 Manufacturers: Panasonic Description: MA MOTION SENSOR In stock: 3597 pcs RFQ
 AMA1469 Manufacturers: Panasonic Description: MA MOTION SENSOR In stock: 3536 pcs RFQ	 AMAP1EVb Manufacturers: Ambiq Micro, Inc. Description: APOLLO 1 MCU EVK APOLLO512-KBR B In stock: 944 pcs RFQ
 AMA145905 Manufacturers: Panasonic Description: MA MOTION SENSOR In stock: 4006 pcs RFQ	 AMAPH1KK-KBR Manufacturers: Ambiq Micro, Inc. Description: IC MCU 32BIT 1MB FLASH 64BGA In stock: 10909 pcs RFQ
 AMA1459 Manufacturers: Panasonic Description: MOTION SENSOR 10CM DETECT DISTAN In stock: 4175 pcs RFQ	 AMA30DRTH Manufacturers: Sullins Connector Solutions Description: CONN EDGE DUAL FEMALE 60POS 0.125 In stock: 4394 pcs RFQ
 AMA115905 Manufacturers: Panasonic Description: MA MOTION SENSOR In stock: 4932 pcs RFQ	 AMAPHEVB Manufacturers: Ambiq Micro, Inc. Description: APOLLO 2 MCU EVK AMAPH1KK-KBR BL In stock: 876 pcs RFQ
 AMA145915 Manufacturers: Panasonic Description: MOTION SENSOR 15CM DETECT DISTAN In stock: 3578 pcs RFQ	 DS80C320-FNG+ Manufacturers: Maxim Integrated Description: IC MCU 8BIT ROMLESS 44MQFP In stock: 4144 pcs RFQ