

CY8C4024AZI-S413



Part Number: [CY8C4024AZI-S413](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 16KB FLASH 48TQFP

Data sheet:  [PSOC® 4S Tech Ref Manual](#)
 [PSoC® 4: PSoC 4000S Datasheet](#)
 [PSoC® 4 Getting Started Guide](#)

RoHs Status: Lead free / RoHS Compliant

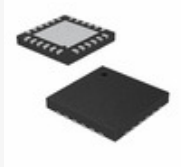
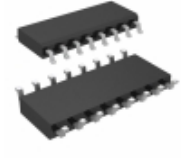
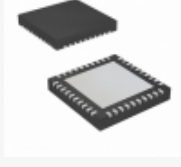
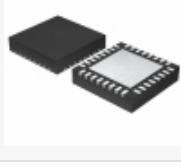
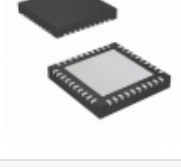
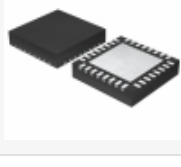
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PRODUCT PARAMETER			
Part Number	CY8C4024AZI-S413	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 16KB FLASH 48TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	58682 pcs	Data sheet	PSOC® 4S Tech Ref Manual PSoC® 4: PSoC 4000S Datasheet PSoC® 4 Getting Started Guide
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 5.5 V
Supplier Device Package	48-TQFP (7x7)	Speed	24MHz
Series	PSOC® 4 CY8C4000S	RAM Size	2K x 8
Program Memory Type	FLASH	Program Memory Size	16KB (16K x 8)
Peripherals	Brown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	48-TQFP	Other Names	428-4104 CY8C4024AZI-S413-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	36	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	15 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M0+ PSOC® 4 CY8C4000S Microcontroller IC 32-Bit 24MHz 16KB (16K x 8) FLASH 48-TQFP (7x7)
Data Converters	A/D 1x10b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I²C, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART
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	Part#: CY8C4024LQI-S403 Description: IC MCU 32BIT 16KB FLASH 40QFN	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: CY8C4024LQI-S401 Description: IC MCU 32BIT 16KB FLASH 24QFN	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: CY8C4014SXS-421T Description: IC MCU 32BIT 16KB FLASH 16SOIC	Manufacturers: Cypress Semiconductor	RFQ

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