

CY8C4024LQI-S401T





Part Number: [CY8C4024LQI-S401T](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 16KB FLASH 24QFN

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

RoHs Status: Lead free / RoHS Compliant

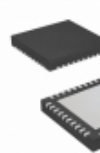
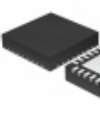
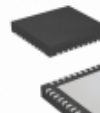
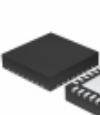
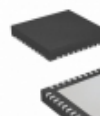
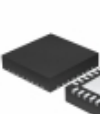
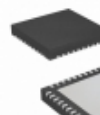
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PRODUCT PARAMETER			
Part Number	CY8C4024LQI-S401T	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 16KB FLASH 24QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	67976 pcs	Data sheet	PSOC® 4S Tech Ref Manual 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	24-SQFN (4x4)	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	Tape & Reel (TR)
Package / Case	24-UFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	19
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 24-SQFN (4x4)	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-S413 Description: IC MCU 32BIT 16KB FLASH 40QFN	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: CY8C4024AZI-S403 Description: IC MCU 32BIT 16KB FLASH 48TQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: CY8C4024LQI-S402T Description: IC MCU 32BIT 16KB FLASH 32QFN	Manufacturers: Cypress Semiconductor	RFQ
	Part#: CY8C4024LQI-S411T Description: IC MCU 32BIT 16KB FLASH 24QFN	Manufacturers: Cypress Semiconductor	RFQ
	Part#: CY8C4014SXI-421T Description: IC MCU 32BIT 16KB FLASH 16SOIC	Manufacturers: Cypress Semiconductor	RFQ

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