

CY8C4045LQI-S411





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Part Number: [CY8C4045LQI-S411](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 32KB 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

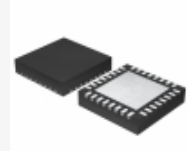
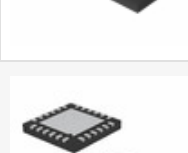
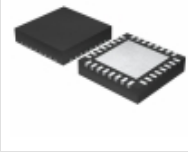
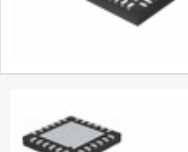
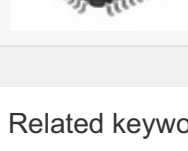
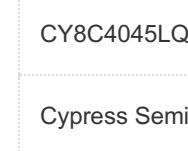
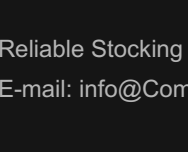
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PRODUCT PARAMETER			
Part Number	CY8C4045LQI-S411	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 32KB FLASH 24QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	71179 pcs	Data sheet	PSOC® 4S Tech Ref Manual 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-QFN (4x4)	Speed	48MHz
Series	PSOC® 4 CY8C4000S	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	24-UQFN Exposed Pad	Other Names	428-4159 CY8C4045LQI-S411-ND
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 48MHz 32KB (32K x 8) FLASH 24-QFN (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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RELATED PRODUCTS			
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	Part#: CY8C4124AZI-S433 Description: IC MCU 32BIT 16KB FLASH 48TQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: CY8C4045LQI-S412 Description: IC MCU 32BIT 32KB FLASH 32QFN	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: CY8C4045AZI-S413 Description: IC MCU 32BIT 32KB FLASH 48TQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: CY8C4124AZI-S413T Description: IC MCU 32BIT 16KB FLASH 48TQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: CY8C4124AXI-443T Description: IC MCU 32BIT 16KB FLASH 44TQFP	Manufacturers: Cypress Semiconductor	RFQ

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