

CY8C4014LQI-412



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Part Number: [CY8C4014LQI-412](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 16KB FLASH 24QFN

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

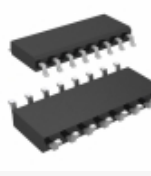
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	CY8C4014LQI-412	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 16KB FLASH 24QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	68308 pcs	Data sheet	PSoC 4000 Overview PSoC® 4 Tech Ref Manual PSoC® 4: PSoC 4000 Family 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	16MHz
Series	PSOC® 4 CY8C4000	RAM Size	2K x 8
Program Memory Type	FLASH	Program Memory Size	16KB (16K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tray
Package / Case	24-UFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	20
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 CY8C4000 Microcontroller IC 32-Bit 16MHz 16KB (16K x 8) FLASH 24-SQFN (4x4)	Data Converters	D/A 1x7b, 1x8b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M0
Connectivity	IPC	Base Part Number	CY8C4014
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