

CY8C4145AZI-S423T



Part Number: [CY8C4145AZI-S423T](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 32KB FLASH 48TQFP

Data sheet:  [PSoC® 4: PSoC 4100S Family](#)

RoHs Status: Lead free / RoHS Compliant

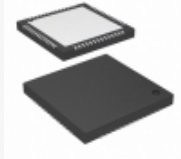
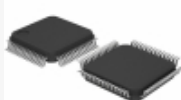
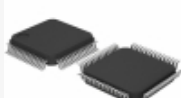
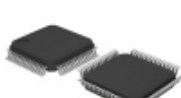
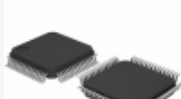
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PRODUCT PARAMETER			
Part Number	CY8C4145AZI-S423T	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 32KB FLASH 48TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	48969 pcs	Data sheet	PSoC® 4: PSoC 4100S
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Family 1.71 V ~ 5.5 V
Supplier Device Package	48-TQFP (7x7)	Speed	48MHz
Series	PSOC® 4 CY8C4100S	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	Tape & Reel (TR)
Package / Case	48-LQFP	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 CY8C4100S Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 48-TQFP (7x7)	Data Converters	A/D 1x10b, 1x12b SAR
Core Size	32-Bit	Core Processor	ARM® Cortex®-M0+
Connectivity	I²C, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART		
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	Part#: CY8C4145AXI-S423 Description: IC MCU 32BIT 32KB FLASH 44TQFP	Manufacturers: Cypress Semiconductor RFQ
	Part#: CY8C4146AZI-S423T Description: IC MCU 32BIT 64KB FLASH 48TQFP	Manufacturers: Cypress Semiconductor RFQ
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	Part#: CY8C4146AXI-S433 Description: IC MCU 32BIT 64KB FLASH 44TQFP	Manufacturers: Cypress Semiconductor RFQ
	Part#: CY8C4128LQI-BL593 Description: CY8C4128LQI-BL593	Manufacturers: Cypress Semiconductor RFQ
	Part#: CY8C4146AZI-S455 Description: IC MCU 32BIT 64KB FLASH 64TQFP	Manufacturers: Cypress Semiconductor RFQ

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