

CYPRESS  
EMBEDDED IN TOMORROW

Cypress Semiconductor



### CY8C4244LQI-443

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | CY8C4244LQI-443                                                                                                       |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                                 |
| Product description | IC MCU 32BIT 16KB FLASH 40QFN                                                                                         |
| Datasheets:         |  <a href="#">CY8C4244LQI-443.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant          |
| Stock Condition     | 19722 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                 |

REQUEST FOR QUOTATION

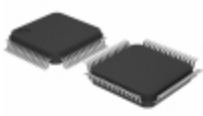
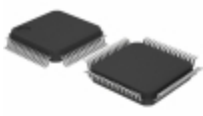
#### Specifications of CY8C4244LQI-443

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | CY8C4244LQI-443                                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 16KB FLASH 40QFN                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| QUANTITY AVAILABLE               | 19722 pcs                                                                                                               |
| DATA SHEET                       |  <a href="#">CY8C4244LQI-443.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 5.5 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 40-QFN (6x6)                                                                                                            |
| SPEED                            | 48MHz                                                                                                                   |
| SERIES                           | PSOC® 4 CY8C42xx                                                                                                        |
| RAM SIZE                         | 4K 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                   | 40-UFQFN Exposed Pad                                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                       |
| NUMBER OF I/O                    | 34                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| EEPROM SIZE                      | -                                                                                                                       |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0 PSOC® 4 CY8C42xx Microcontroller IC 32-Bit 48MHz 16KB (16K x 8) FLASH 40-QFN (6x6)                      |
| DATA CONVERTERS                  | A/D 8x12b                                                                                                               |
| CORE SIZE                        | 32-Bit                                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                                         |
| CONNECTIVITY                     | I²C, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART                                                           |
| BASE PART NUMBER                 | CY8C4244                                                                                                                |

#### Related Tags

|                                       |                                            |                                           |
|---------------------------------------|--------------------------------------------|-------------------------------------------|
| Cypress Semiconductor CY8C4244LQI-443 | CY8C4244LQI-443 Distributor                | CY8C4244LQI-443 Supplier                  |
| CY8C4244LQI-443 Price                 | CY8C4244LQI-443 Pictures                   | CY8C4244LQI-443 Image                     |
| CY8C4244LQI-443 PDF Datasheet         | CY8C4244LQI-443 Download Datasheet         | CY8C4244LQI-443 Datasheet                 |
| CY8C4244LQI-443 Stock                 | Buy CY8C4244LQI-443                        | Buy Cypress Semiconductor CY8C4244LQI-443 |
| Cypress Semiconductor CY8C4244LQI-443 | Cypress Semiconductor Supplier             | Cypress Semiconductor Distributor         |
| Cypress Semiconductor CY8C4244LQI-443 | Cypress Semiconductor Corp CY8C4244LQI-443 |                                           |

#### Related Products

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| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>CY8C4245AXI-473</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 44TQFP<br/>In stock: 26801 pcs<br/><div>RFQ</div></div>  | <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>CY8C4244AZI-443</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 16KB FLASH 48TQFP<br/>In stock: 26053 pcs<br/><div>RFQ</div></div>   |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>CY8C4244PVI-442</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 16KB FLASH 28SSOP<br/>In stock: 23906 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>CY8C4147AZI-S455</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 14604 pcs<br/><div>RFQ</div></div>                                 |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>CY8C4244PVA-442T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 16KB FLASH 28SSOP<br/>In stock: 28939 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>CY8C4147AZI-S465</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 17009 pcs<br/><div>RFQ</div></div>                                 |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>CY8C4244PVS-442</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 16KB FLASH 28SSOP<br/>In stock: 17606 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>CY8C4147AZI-S445</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 16863 pcs<br/><div>RFQ</div></div>                                 |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>CY8C4244PVA-442</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 16KB FLASH 28SSOP<br/>In stock: 21290 pcs<br/><div>RFQ</div></div>  | <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>CY8C4244FNI-443T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 16KB FLASH 35WLCSP<br/>In stock: 43848 pcs<br/><div>RFQ</div></div> |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>CY8C4244LQQ-443</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 16KB FLASH 40QFN<br/>In stock: 29383 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>CY8C4147AZI-S475</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 15223 pcs<br/><div>RFQ</div></div>                                 |