

CY8C4244FNI-443T



Part Number: [CY8C4244FNI-443T](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 16KB FLASH 35WLCSP

Data sheet:  [PSoC® 4200 Family](#)

RoHs Status: Lead free / RoHS Compliant

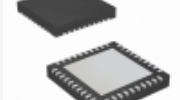
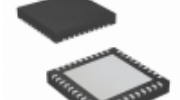
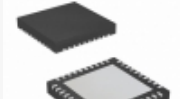
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                            |                                 |                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                       | CY8C4244FNI-443T                                                                                           | Manufacturer                    | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                       | IC MCU 32BIT 16KB FLASH 35WLCSP                                                                            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                | 44215 pcs                                                                                                  | Data sheet                      | <a href="#">PSoC® 4200 Family</a>     |
| Category                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>                                                                  | Voltage - Supply (Vcc/Vdd)      | 1.71 V ~ 5.5 V                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                           | 35-WLCSP (3.23x2.10)                                                                                       | 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                       | Tape & Reel (TR)                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                    | 35-UFBGA, WLCSP                                                                                            | Oscillator Type                 | Internal                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                             | -40°C ~ 85°C (TA)                                                                                          | Number of I/O                   | 31                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                  | 1 (Unlimited)                                                                                              | Manufacturer Standard Lead Time | 15 Weeks                              |
| 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 35-WLCSP (3.23x2.10) | Data Converters                 | A/D 8x12b                             |
| 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                                                                   |                                                                                         |                                                      |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">CY8C4147AXI-S465</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4147AZI-S475</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4245AXI-M445</a><br>Description: IC MCU 32BIT 32KB FLASH 64TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4244PVS-442</a><br>Description: IC MCU 32BIT 16KB FLASH 28SSOP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4245AXI-483</a><br>Description: IC MCU 32BIT 32KB FLASH 44TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4147AZI-S465</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4147AZI-S455</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4244PVI-442</a><br>Description: IC MCU 32BIT 16KB FLASH 28SSOP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4245AZI-473</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4244AZI-443</a><br>Description: IC MCU 32BIT 16KB FLASH 48TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4244PVA-442T</a><br>Description: IC MCU 32BIT 16KB FLASH 28SSOP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146LQI-S433T</a><br>Description: IC MCU 32BIT 64KB FLASH 40QFN  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4147AXI-S455</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4147AXI-S475</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4147AXI-S445</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4245AXI-473</a><br>Description: IC MCU 32BIT 32KB FLASH 44TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4244LQQ-443</a><br>Description: IC MCU 32BIT 16KB FLASH 40QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4147AZI-S445</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4244PVA-442</a><br>Description: IC MCU 32BIT 16KB FLASH 28SSOP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4244LQI-443</a><br>Description: IC MCU 32BIT 16KB FLASH 40QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

Related keywords for CY8C4244FNI-443T

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