

CY8C4024FNI-S402T



Part Number: [CY8C4024FNI-S402T](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 16KB FLASH 25WLCSP

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

RoHs Status: Lead free / RoHS Compliant

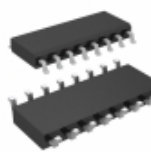
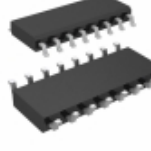
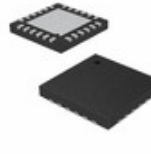
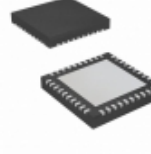
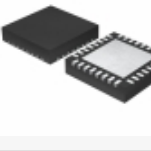
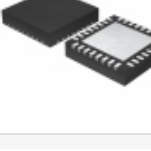
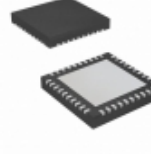
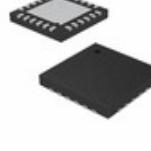
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Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                         |                                 |                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CY8C4024FNI-S402T                                                                       | Manufacturer                    | <a href="#">Cypress Semiconductor</a>                                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 16KB FLASH 25WLCSP                                                         | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 76306 pcs                                                                               | Data sheet                      | <a href="#">PSOC® 4S Tech Ref Manual</a><br><a href="#">PSoC® 4: PSoC 4000S Datasheet</a><br><a href="#">PSoC® 4 Getting Started Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                               | Voltage - Supply (Vcc/Vdd)      | 1.71 V ~ 5.5 V                                                                                                                             |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24MHz                                                                                   | Series                          | PSOC® 4 CY8C4000S                                                                                                                          |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2K x 8                                                                                  | Program Memory Type             | FLASH                                                                                                                                      |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16KB (16K x 8)                                                                          | Peripherals                     | Brown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDT                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25-XFBGA, WLCSP                                                                         | Oscillator Type                 | Internal                                                                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C (TA)                                                                       | Number of I/O                   | 21                                                                                                                                         |
| 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 CY8C4000S Microcontroller IC 32-Bit 24MHz 16KB (16K x 8) FLASH | Data Converters                 | A/D 1x10b                                                                                                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-Bit                                                                                  | Core Processor                  | ARM® Cortex®-M0+                                                                                                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I²C, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART                           |                                 |                                                                                                                                            |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Cypress Semiconductor series electronic components. We have 76306 pieces of Cypress Semiconductor CY8C4024FNI-S402T in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                         |                                 |                                                                                                                                            |

| RELATED PRODUCTS                                                                   |                                                                                          |                                                      |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">CY8C4014SXS-421T</a><br>Description: IC MCU 32BIT 16KB FLASH 16SOIC   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4014SXI-421T</a><br>Description: IC MCU 32BIT 16KB FLASH 16SOIC   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024AZI-S403</a><br>Description: IC MCU 32BIT 16KB FLASH 48TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S401T</a><br>Description: IC MCU 32BIT 16KB FLASH 24QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S403</a><br>Description: IC MCU 32BIT 16KB FLASH 40QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S402T</a><br>Description: IC MCU 32BIT 16KB FLASH 32QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S412</a><br>Description: IC MCU 32BIT 16KB FLASH 32QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024AZI-S403T</a><br>Description: IC MCU 32BIT 16KB FLASH 48TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024FNI-S412T</a><br>Description: IC MCU 32BIT 16KB FLASH 25WLCSP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S411</a><br>Description: IC MCU 32BIT 16KB FLASH 24QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S402</a><br>Description: IC MCU 32BIT 16KB FLASH 32QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4014SXI-420</a><br>Description: IC MCU 32BIT 16KB FLASH 8SOIC     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4014SXS-421</a><br>Description: IC MCU 32BIT 16KB FLASH 16SOIC    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S403T</a><br>Description: IC MCU 32BIT 16KB FLASH 40QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4014SXI-421</a><br>Description: IC MCU 32BIT 16KB FLASH 16SOIC    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024AZI-S413</a><br>Description: IC MCU 32BIT 16KB FLASH 48TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4014SXI-420T</a><br>Description: IC MCU 32BIT 16KB FLASH 8SOIC    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024AZI-S413T</a><br>Description: IC MCU 32BIT 16KB FLASH 48TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S401</a><br>Description: IC MCU 32BIT 16KB FLASH 24QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4024LQI-S411T</a><br>Description: IC MCU 32BIT 16KB FLASH 24QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

| Related keywords for CY8C4024FNI-S402T  |                                              |                            |                         |
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