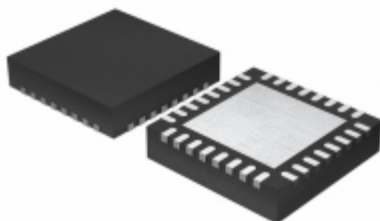


CY8C4025LQI-S402T



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [CY8C4025LQI-S402T](#)

**Manufacturer:** [Cypress Semiconductor](#)

**Description:** IC MCU 32BIT 32KB FLASH 32QFN

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

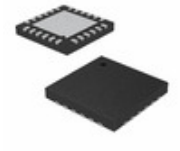
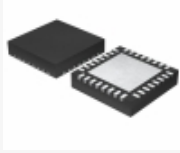
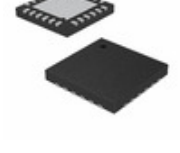
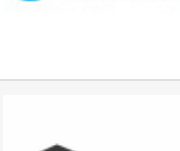
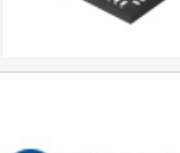
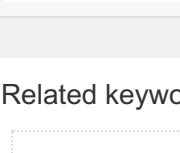
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                      |                                 |                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CY8C4025LQI-S402T                                                                                    | Manufacturer                    | <a href="#">Cypress Semiconductor</a>                                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 32KB FLASH 32QFN                                                                        | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 77724 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                                                                                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 32-QFN (5x5)                                                                                         | Speed                           | 24MHz                                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PSOC® 4 CY8C4000S                                                                                    | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-UFQFN Exposed Pad                                                                                 | Oscillator Type                 | Internal                                                                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C (TA)                                                                                    | Number of I/O                   | 27                                                                                                                                         |
| 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 CY8C4000S Microcontroller IC 32-Bit 24MHz 32KB (32K x 8) FLASH 32-QFN (5x5) | 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 77724 pieces of Cypress Semiconductor CY8C4025LQI-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="#">CY8C4045AZI-S413T</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025FNI-S412T</a><br>Description: IC MCU 32BIT 32KB FLASH 25WLCSP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025LQI-S401</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025LQI-S412</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4045LQI-S411T</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025AZI-S403</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4045LQI-S411</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025LQI-S411</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025LQI-S401T</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025LQI-S411T</a><br>Description: IC MCU 32BIT 32KB FLASH 24QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4045FNI-S412T</a><br>Description: IC MCU 32BIT 32KB FLASH 25WLCSP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025FNI-S402T</a><br>Description: IC MCU 32BIT 32KB FLASH 25WLCSP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4045AZI-S413</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025LQI-S412T</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025AZI-S413</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4045FNI-DS402T</a><br>Description: IC MCU 32BIT 32KB FLASH 25WLCSP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025AZI-S403T</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025AZI-S413T</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4025LQI-S402</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C4024LQI-S413T</a><br>Description: IC MCU 32BIT 16KB FLASH 40QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |

| Related keywords for CY8C4025LQI-S402T  |                                              |                            |                         |
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| Cypress Semiconductor CY8C4025LQI-S402T | Cypress Semiconductor Corp CY8C4025LQI-S402T |                            |                         |