



Cypress Semiconductor

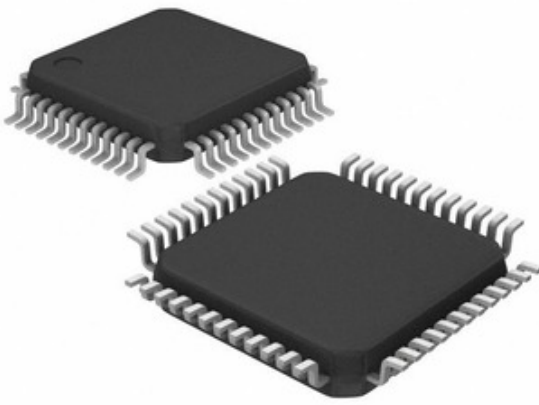


Image may be representation. See specifications for product details.

CY8C4045AZI-S413T

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | CY8C4045AZI-S413T                                                                                            |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 32BIT 32KB FLASH 48TQFP                                                                               |
|                     | <a href="#">PDF</a> 1.CY8C4045AZI-S413T.pdf                                                                  |
|                     | <a href="#">PDF</a> 2.CY8C4045AZI-S413T.pdf                                                                  |
|                     | <a href="#">PDF</a> 3.CY8C4045AZI-S413T.pdf                                                                  |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

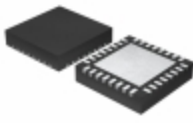
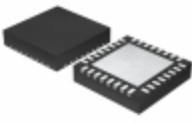
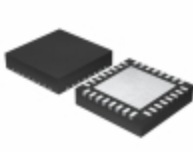
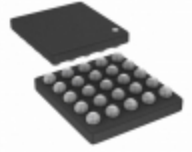
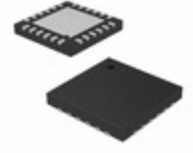
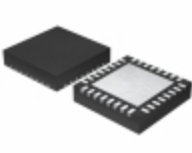
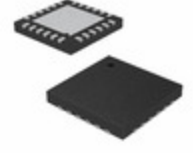
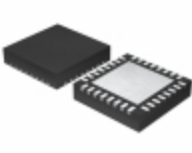
Specifications of CY8C4045AZI-S413T

|                                  |                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | CY8C4045AZI-S413T                                                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 48TQFP                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                |
| DATA SHEET                       | <a href="#">PDF</a> 1.CY8C4045AZI-S413T.pdf<br><a href="#">PDF</a> 2.CY8C4045AZI-S413T.pdf<br><a href="#">PDF</a> 3.CY8C4045AZI-S413T.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 5.5 V                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 48-TQFP                                                                                                                                   |
| SPEED                            | 48MHz                                                                                                                                     |
| 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                   | 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 CY8C4000S Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 48-TQFP                                           |
| DATA CONVERTERS                  | A/D 1x10b                                                                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                                          |
| CONNECTIVITY                     | I²C, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART                                                                             |

Related Tags

|                                         |                                              |                                             |
|-----------------------------------------|----------------------------------------------|---------------------------------------------|
| Cypress Semiconductor CY8C4045AZI-S413T | CY8C4045AZI-S413T Distributor                | CY8C4045AZI-S413T Supplier                  |
| CY8C4045AZI-S413T Price                 | CY8C4045AZI-S413T Pictures                   | CY8C4045AZI-S413T Image                     |
| CY8C4045AZI-S413T PDF Datasheet         | CY8C4045AZI-S413T Download Datasheet         | CY8C4045AZI-S413T Datasheet                 |
| CY8C4045AZI-S413T Stock                 | Buy CY8C4045AZI-S413T                        | Buy Cypress Semiconductor CY8C4045AZI-S413T |
| Cypress Semiconductor CY8C4045AZI-S413T | Cypress Semiconductor Supplier               | Cypress Semiconductor Distributor           |
| Cypress Semiconductor CY8C4045AZI-S413T | Cypress Semiconductor Corp CY8C4045AZI-S413T |                                             |

Related Products

|                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>CY8C4025LQI-S412T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>CY8C4025LQI-S412</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: Out stock<br/>RFQ</div>     |
|  <div><b>CY8C4045LQI-S411</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 24QFN<br/>In stock: 466 pcs<br/>RFQ</div>    |  <div><b>CY8C4045FNI-DS402T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 25WLCSP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>CY8C4025LQI-S411</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 24QFN<br/>In stock: 373 pcs<br/>RFQ</div>    |  <div><b>CY8C4045AZI-S413</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 48TQFP<br/>In stock: Out stock<br/>RFQ</div>    |
|  <div><b>CY8C4045LQI-S412T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>CY8C4045FNI-S412T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 25WLCSP<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>CY8C4045LQI-S411T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 24QFN<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>CY8C4025LQI-S402T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: Out stock<br/>RFQ</div>    |
|  <div><b>CY8C4025LQI-S411T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 24QFN<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>CY8C4045LQI-S412</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: 629 pcs<br/>RFQ</div>       |