

CY8C3245AXI-166T



**Part Number:** [CY8C3245AXI-166T](#)

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

**Description:** IC MCU 8BIT 32KB FLASH 100TQFP

**Data sheet:**  [CY8C32 Family](#)

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

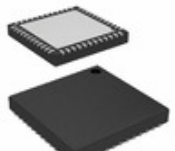
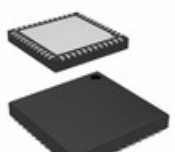
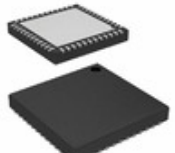
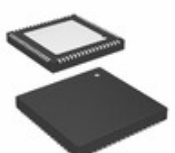
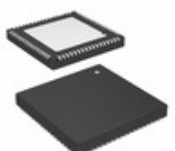
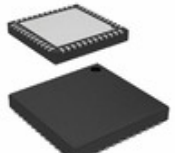
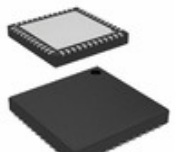
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |                                 |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CY8C3245AXI-166T                                                                           | Manufacturer                    | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 32KB FLASH 100TQFP                                                             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 26691 pcs                                                                                  | Data sheet                      | <a href="#">CY8C32 Family</a>         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                                  | Voltage - Supply (Vcc/Vdd)      | 1.71 V ~ 5.5 V                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100-TQFP (14x14)                                                                           | Speed                           | 50MHz                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PSOC® 3 CY8C32xx                                                                           | RAM Size                        | 4K x 8                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                                      | Program Memory Size             | 32KB (32K x 8)                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CapSense, DMA, POR, PWM, WDT                                                               | Packaging                       | Tape & Reel (TR)                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100-LQFP                                                                                   | Oscillator Type                 | Internal                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TA)                                                                          | Number of I/O                   | 62                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                                                                              | Manufacturer Standard Lead Time | 15 Weeks                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                                 | EEPROM Size                     | 1K x 8                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8051 PSOC® 3 CY8C32xx Microcontroller IC 8-Bit 50MHz 32KB (32K x 8) FLASH 100-TQFP (14x14) | Data Converters                 | A/D 16x12b, D/A 1x8b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                                      | Core Processor                  | 8051                                  |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EBI/EMI, I²C, LINbus, SPI, UART/USART, USB                                                 |                                 |                                       |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                      |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|
|  | Part#: <a href="#">CY8C3245LTI-129</a><br>Description: IC MCU 8BIT 32KB FLASH 68QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-144T</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-160</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3244PVI-165</a><br>Description: IC MCU 8BIT 16KB FLASH 48SSOP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-124</a><br>Description: IC MCU 8BIT 32KB FLASH 68QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXI-154</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXA-148</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-144</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXA-166</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-163</a><br>Description: IC MCU 8BIT 32KB FLASH 68QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-163T</a><br>Description: IC MCU 8BIT 32KB FLASH 68QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXA-158</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-139T</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXI-158T</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-139</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXI-166</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXI-158</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245LTI-142</a><br>Description: IC MCU 8BIT 32KB FLASH 68QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXA-154</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">CY8C3245AXI-148</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |

Related keywords for **CY8C3245AXI-166T**

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