

CY8C3665AXI-016



Part Number: [CY8C3665AXI-016](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 8BIT 32KB FLASH 100TQFP

Data sheet:  [CY8C36](#)

RoHs Status: Lead free / RoHS Compliant

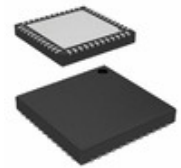
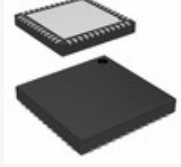
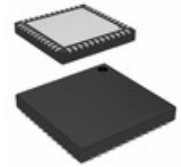
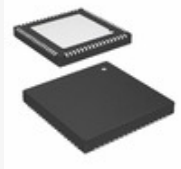
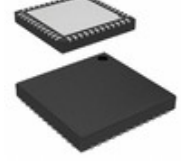
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |                                  |                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | CY8C3665AXI-016                                                                            | Manufacturer                     | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 32KB FLASH 100TQFP                                                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                      | 4851 pcs                                                                                   | Data sheet                       | <a href="#">CY8C36</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                            | 67MHz                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                  | PSOC® 3 CY8C36xx                                                                           | RAM Size                         | 4K x 8                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                                                      | Program Memory Size              | 32KB (32K x 8)                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                             | CapSense, DMA, POR, PWM, WDT                                                               | Packaging                        | Tray                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                          | 100-LQFP                                                                                   | Other Names                      | 428-3097<br>CY8C3665AXI-016-ND        |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                                                   | Operating Temperature            | -40°C ~ 85°C (TA)                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                           | 62                                                                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                         |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                                                                 | EEPROM Size                      | 1K x 8                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                    | 8051 PSOC® 3 CY8C36xx Microcontroller IC 8-Bit 67MHz 32KB (32K x 8) FLASH 100-TQFP (14x14) | Data Converters                  | A/D 16x12b, D/A 4x8b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                               | 8-Bit                                                                                      | Core Processor                   | 8051                                  |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                            | EBI/EMI, I²C, LINbus, SPI, UART/USART, USB                                                 | Base Part Number                 | CY8C3665                              |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                      |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">CY8C3665AXA-013</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXA-017</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665LT-009</a><br>Description: IC MCU 8BIT 32KB FLASH 68QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3646PVE-171</a><br>Description: IC MCU 8BIT 64KB FLASH 48SSOP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXI-198T</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXI-013</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665LT-002</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665LT-006</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXI-017</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXI-010</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXA-010</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXI-016T</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665LT-001</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXI-010T</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXA-016</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665AXI-198</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3646PVE-179</a><br>Description: IC MCU 8BIT 64KB FLASH 48SSOP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665LT-043</a><br>Description: IC MCU 8BIT 32KB FLASH 68QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3665LT-004</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFN     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C3646AXE-178</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

Related keywords for **CY8C3665AXI-016**

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