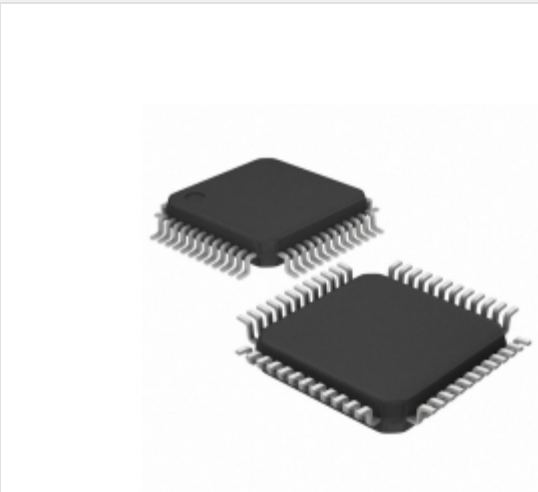


MB90457SPMT-GT-124E1



Part Number: [MB90457SPMT-GT-124E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 64KB MROM 48LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

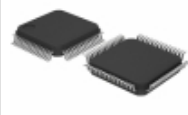
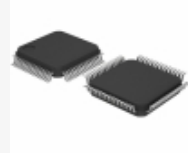
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MB90457SPMT-GT-124E1                      | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 64KB MROM 48LQFP             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3992 pcs                                  | Data sheet                     |                                                                                                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 48-LQFP (7x7)                             | Speed                          | 16MHz                                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | F <sup>2</sup> MC-16LX MB90455            | RAM Size                       | 2K x 8                                                                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mask ROM                                  | Program Memory Size            | 64KB (64K x 8)                                                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | POR, WDT                                  | Packaging                      | Tray                                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 48-LQFP                                   | Oscillator Type                | External                                                                                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 105°C (TA)                        | Number of I/O                  | 34                                                                                                                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                  |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                         | Detailed Description           | F <sup>2</sup> MC-16LX F <sup>2</sup> MC-16LX MB90455 Microcontroller IC 16-Bit 16MHz 64KB (64K x 8) Mask ROM 48-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 8x8/10b                               | Core Size                      | 16-Bit                                                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                              | F <sup>2</sup> MC-16LX                    | Connectivity                   | UART/USART                                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                      |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB90457SPMT-GS-241</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90467PF-G-174E1</a><br>Description: IC MCU 16BIT 64KB MROM 64QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90462PFM-G-245-SNE1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90462PFM-G-312-SNE1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-315E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-339E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90467PF-G-172E1</a><br>Description: IC MCU 16BIT 64KB MROM 64QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90462PFM-G-277E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-252</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-241E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90462PFM-G-293-SNE1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GT-248E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-242</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90467PF-G-206E1</a><br>Description: IC MCU 16BIT 64KB MROM 64QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90462PFM-G-326-SNE1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-252E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-242E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-293E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90462PFM-G-XXX-SNE1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90457SPMT-GS-316E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

|                                                  |                                                 |                               |                            |
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