

MB90387SPMT-GS-244E1



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**Part Number:** MB90387SPMT-GS-244E1

**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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                |                                |                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MB90387SPMT-GS-244E1           | Manufacturer                   | Cypress Semiconductor                                                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 64KB MROM 48LQFP  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 4729 pcs                       | Data sheet                     |                                                                                                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | Integrated Circuits (ICs)      | 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 MB90385 | 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                  | 36                                                                                                                          |
| 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 MB90385 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                   | CANbus, SCI, UART/USART                                                                                                     |
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