

MB90387SPMT-GS-239E1



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Part Number: MB90387SPMT-GS-239E1

Manufacturer: Cypress Semiconductor

Description: IC MCU 16BIT 64KB MROM 48LQFP

Data sheet:  MB90387(S),F387(S),V495G

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-239E1          | Manufacturer                     | Cypress Semiconductor                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 64KB MROM 48LQFP | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 26872 pcs                     | Data sheet                       | MB90387(S),F387(S),V495G                                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | Integrated Circuits (ICs)     | Voltage - Supply (Vcc/Vdd)       | 3.5 V ~ 5.5 V                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 48-LQFP (7x7)                 | Speed                            | 16MHz                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | F*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                       | Other Names                      | CY90387SPMT-GS-239E1                                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                               | External                      | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                 | 36                            | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                     |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                               | 20 Weeks                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                   | -                             | Detailed Description             | F*MC-16LX F*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*MC-16LX                     | Connectivity                     | CANbus, SCI, UART/USART                                                                           |
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