

MB89485PFM-GS-178E1



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**Part Number:** [MB89485PFM-GS-178E1](#)

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

**Description:** IC MCU 8BIT 16KB MROM 64LQFP

**Data sheet:**

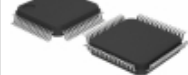
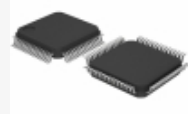
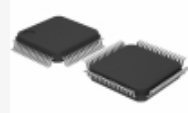
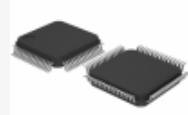
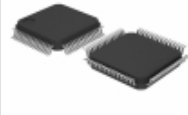
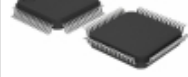
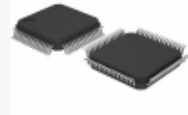
**RoHS Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MB89485PFM-GS-178E1                       | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 8BIT 16KB MROM 64LQFP              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5262 pcs                                  | Data sheet                     |                                                                                                                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.2 V ~ 5.5 V                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 64-LQFP (12x12)                           | Speed                          | 12.5MHz                                                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | F <sup>2</sup> MC-8L MB89480              | RAM Size                       | 512 x 8                                                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Mask ROM                                  | Program Memory Size            | 16KB (16K x 8)                                                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LCD, POR, PWM, WDT                        | Packaging                      | Tray                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 64-LQFP                                   | Oscillator Type                | External                                                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C (TA)                         | Number of I/O                  | 42                                                                                                                         |
| 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-8L F <sup>2</sup> MC-8L MB89480 Microcontroller IC 8-Bit 12.5MHz 16KB (16K x 8) Mask ROM 64-LQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 4x10b                                 | Core Size                      | 8-Bit                                                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                             | F <sup>2</sup> MC-8L                      | Connectivity                   | Serial I/O, UART/USART                                                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                      |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MB89485PFM-G-216-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89535APMC-G-413-BNDE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89535AP-G-1032-SHE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89537APF-G-1126E1</a><br>Description: IC MCU 8BIT 32KB MROM 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-G-247-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-G-244-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89535AP-G-1123-SHE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-G-252-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89537APF-G-1010E1</a><br>Description: IC MCU 8BIT 32KB MROM 64QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-GS-171E1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89535APMC-G-413-JNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89537APF-G-658E1</a><br>Description: IC MCU 8BIT 32KB MROM 64LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-G-255-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89537APF-G-656E1</a><br>Description: IC MCU 8BIT 32KB MROM 64LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-G-235-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89535AP-G-521-SHE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-G-237-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89535APF-G-1075E1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-G-245-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB89485PFM-G-XXX-CNE1</a><br>Description: IC MCU 8BIT 16KB MROM 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |

Related keywords for MB89485PFM-GS-178E1

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