

MB90548GSPMC-GS-422E1



Part Number: [MB90548GSPMC-GS-422E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 128KB MROM 100LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                |                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MB90548GSPMC-GS-422E1                     | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 128KB MROM 100LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4246 pcs                                  | Data sheet                     |                                                                                                                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100-LQFP (14x14)                          | Speed                          | 16MHz                                                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F <sup>2</sup> MC-16LX MB90545G           | RAM Size                       | 4K x 8                                                                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Mask ROM                                  | Program Memory Size            | 128KB (128K x 8)                                                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | POR, WDT                                  | Packaging                      | Tray                                                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 100-LQFP                                  | Oscillator Type                | External                                                                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 105°C (TA)                        | Number of I/O                  | 81                                                                                                                                |
| 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 MB90545G Microcontroller IC 16-Bit 16MHz 128KB (128K x 8) Mask ROM 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 8x8/10b                               | Core Size                      | 16-Bit                                                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                               | F <sup>2</sup> MC-16LX                    | Connectivity                   | CANbus, EBI/EMI, SCI, Serial I/O, UART/USART                                                                                      |
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|  | Part#: <a href="#">MB90548GSPMC-GS-439E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90548GSPMC-GS-343E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90548GSPMC-GS-476E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90548GSPMC-GS-436E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90548GSPMC-GS-417E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90548GSPMC-GS-478E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90548GSPMC-GS-474E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90548GSPMC-GS-451E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90548GSPMC-GS-471E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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