

MB90438LSPMC-G-542E1



**Part Number:** MB90438LSPMC-G-542E1

**Manufacturer:** Cypress Semiconductor

**Description:** IC MCU 16BIT 128KB MROM 100LQFP

**Data sheet:**

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

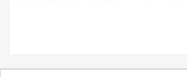
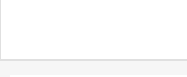
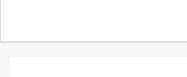
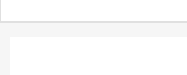
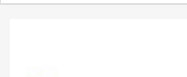
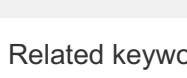
**Ship From:** Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |                                |                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MB90438LSPMC-G-542E1            | Manufacturer                   | Cypress Semiconductor                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 128KB MROM 100LQFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 4525 pcs                        | Data sheet                     |                                                                                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | Integrated Circuits (ICs)       | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 100-LQFP (14x14)                | Speed                          | 16MHz                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | F*MC-16LX MB90435               | 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*MC-16LX F*MC-16LX MB90435 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*MC-16LX                       | Connectivity                   | EBI/EMI, SCI, Serial I/O, UART/USART                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                |                                      |     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------|-----|
|  | Part#: MB90438LSPMC-G-541-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-544E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-545E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
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|  | Part#: MB90438LSPMC-G-542-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-553-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-552E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-550-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-537-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-527E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-518E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-541E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-534-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-519E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-544-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-545-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-534E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-552-JNE1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-550E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB90438LSPMC-G-546E1<br>Description: IC MCU 16BIT 128KB MROM 100LQFP    | Manufacturers: Cypress Semiconductor | RFQ |

| Related keywords for MB90438LSPMC-G-542E1  |                                                 |                               |                            |
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