

MB90351ESPMC-GS-152E1



Part Number: [MB90351ESPMC-GS-152E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 64KB MROM 64LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

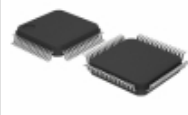
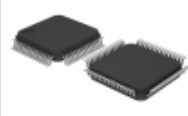
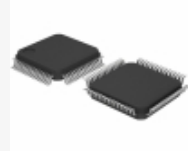
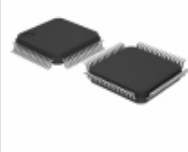
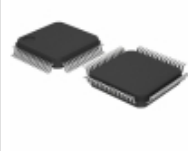
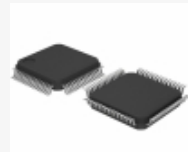
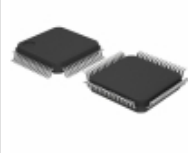
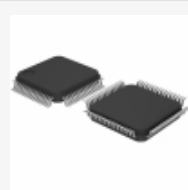
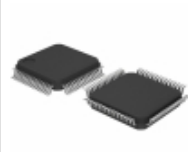
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                |                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MB90351ESPMC-GS-152E1                     | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 64KB MROM 64LQFP             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4538 pcs                                  | Data sheet                     |                                                                                                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64-LQFP (12x12)                           | Speed                          | 24MHz                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F*MC-16LX MB90350E                        | RAM Size                       | 4K x 8                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Mask ROM                                  | Program Memory Size            | 64KB (64K x 8)                                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DMA, LVD, POR, WDT                        | Packaging                      | Tray                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 64-LQFP                                   | Oscillator Type                | Internal                                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 125°C (TA)                        | Number of I/O                  | 51                                                                                                   |
| 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 MB90350E Microcontroller IC 16-Bit 24MHz 64KB (64K x 8) Mask ROM 64-LQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 15x8/10b                              | Core Size                      | 16-Bit                                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                               | F*MC-16LX                                 | Connectivity                   | CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, UART/USART                                                |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                      |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB90351ESPMC-GS-147E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90351ESPMC-GS-144E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90351ESPMC-GS-170E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90351ESPMC-GS-149E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90351ESPMC-GS-171E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90351ESPMC-GS-155E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90351ESPMC-GS-173E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90351ESPMC-GS-151E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90351ESPMC-GS-161E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90351ESPMC-GS-138E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90351ESPMC-GS-164E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90351ESPMC-GS-168E1</a><br>Description: IC MCU 16BIT 64KB MROM 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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