

MB90F952MDSPMC-GE1



**Part Number:** [MB90F952MDSPMC-GE1](#)

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

**Description:** IC MCU 16BIT 256KB FLASH 100LQFP

**Data sheet:**

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

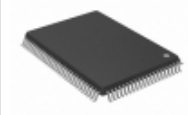
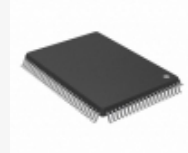
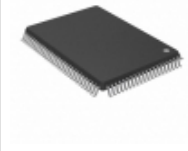
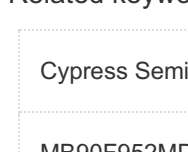
**Ship From:** Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                |                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MB90F952MDSPMC-GE1                        | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 16BIT 256KB FLASH 100LQFP          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4940 pcs                                  | Data sheet                     |                                                                                                                               |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 5.5 V                                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100-LQFP (14x14)                          | Speed                          | 32MHz                                                                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | F <sup>2</sup> MC-16LX MB90950            | RAM Size                       | 16K x 8                                                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                     | Program Memory Size            | 256KB (256K x 8)                                                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LVD, POR, WDT                             | Packaging                      | Tray                                                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-LQFP                                  | Oscillator Type                | External                                                                                                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 105°C (TA)                        | Number of I/O                  | 82                                                                                                                            |
| 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 MB90950 Microcontroller IC 16-Bit 32MHz 256KB (256K x 8) FLASH 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 24x8/10b, D/A 2x8b                    | Core Size                      | 16-Bit                                                                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                            | F <sup>2</sup> MC-16LX                    | Connectivity                   | CANbus, I <sup>2</sup> C, LINbus, SCI, Serial I/O, UART/USART                                                                 |
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|  | Part#: <a href="#">MB90F997MASPMC-GSE1</a><br>Description: IC MCU 16BIT 160KB FLASH 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90F949APFR-GS</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90F962SPMCR-GE1</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F962PMCR-GE1</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F949APFR-GS-SPE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F952JDSPMC-GSE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90F962SPMT-GS-ERE1</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90F949APQC-GS-SPERE2</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F949APFR-GS-SP</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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Related keywords for MB90F952MDSPMC-GE1

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