

MB9BF522LPMC-G-JNE2





**Part Number:** [MB9BF522LPMC-G-JNE2](#)

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

**Description:** IC MCU 32BIT 160KB FLASH 64LQFP

**Data sheet:**  [MB9BF52xK/L/M Series](#)

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

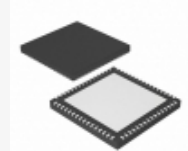
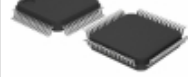
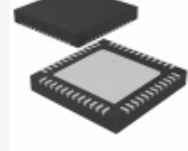
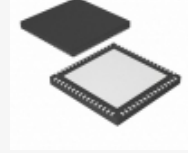
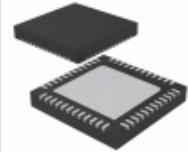
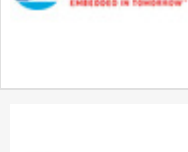
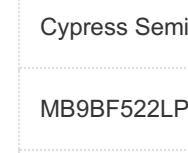
**Ship From:** Hong Kong

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

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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                     |                                 |                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MB9BF522LPMC-G-JNE2                                                                                 | Manufacturer                    | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 160KB FLASH 64LQFP                                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 20180 pcs                                                                                           | Data sheet                      | <a href="#">MB9BF52xK/L/M Series</a>  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                                           | Voltage - Supply (Vcc/Vdd)      | 2.7 V ~ 5.5 V                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 64-LQFP (12x12)                                                                                     | Speed                           | 72MHz                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | FM3 MB9B520M                                                                                        | RAM Size                        | 16K x 8                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                               | Program Memory Size             | 160KB (160K x 8)                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | DMA, LVD, POR, PWM, WDT                                                                             | Packaging                       | Tray                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 64-LQFP                                                                                             | Oscillator Type                 | Internal                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 105°C (TA)                                                                                  | Number of I/O                   | 50                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                                                                                       | Manufacturer Standard Lead Time | 24 Weeks                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                                          | EEPROM Size                     | -                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M3 FM3 MB9B520M Microcontroller IC 32-Bit 72MHz 160KB (160K x 8) FLASH 64-LQFP (12x12) | Data Converters                 | A/D 23x12b, D/A 2x10b                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-Bit                                                                                              | Core Processor                  | ARM® Cortex®-M3                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | CANbus, CSIO, I²C, LINbus, UART/USART, USB                                                          |                                 |                                       |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                      |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MB9BF522MPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 160KB FLASH 80LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF522LQN-G-AVE2</a><br>Description: IC MCU 32BIT 160KB FLASH 64QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF522MPMC-G-JNE2</a><br>Description: IC MCU 32BIT 160KB FLASH 80LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF521KPMC-G-JNE2</a><br>Description: IC MCU 32BIT 96KB FLASH 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MB9BF524KQN-G-AVE2</a><br>Description: IC MCU 32BIT 288KB FLASH 48QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF522MBGL-GE1</a><br>Description: IC MCU 32BIT 160KB FLASH 96BGA      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF524LQN-G-AVE2</a><br>Description: IC MCU 32BIT 288KB FLASH 64QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF524KPMC-G-JNE2</a><br>Description: IC MCU 32BIT 288KB FLASH 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
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