

MB9BF567MPMC-G-JNE2



**Part Number:** [MB9BF567MPMC-G-JNE2](#)

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

**Description:** IC MCU 32BIT 800KB FLASH 80LQFP

**Data sheet:**  [MB9BF566-68M/N/R Series](#)

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

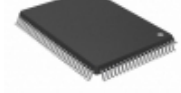
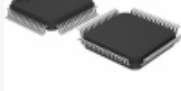
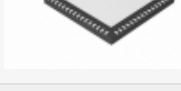
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                       |                                 |                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MB9BF567MPMC-G-JNE2                                                                                   | Manufacturer                    | <a href="#">Cypress Semiconductor</a>   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 800KB FLASH 80LQFP                                                                       | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 11971 pcs                                                                                             | Data sheet                      | <a href="#">MB9BF566-68M/N/R</a>        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                                             | Voltage - Supply (Vcc/Vdd)      | <a href="#">Series</a><br>2.7 V ~ 5.5 V |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 80-LQFP (12x12)                                                                                       | Speed                           | 160MHz                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | FM4 MB9B560R                                                                                          | RAM Size                        | 96K x 8                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                                 | Program Memory Size             | 800KB (800K x 8)                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | DMA, LVD, POR, PWM, WDT                                                                               | Packaging                       | Tray                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 80-LQFP                                                                                               | Oscillator Type                 | Internal                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 125°C (TA)                                                                                    | Number of I/O                   | 63                                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                                                                                         | Manufacturer Standard Lead Time | 15 Weeks                                |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                                            | EEPROM Size                     | -                                       |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M4F FM4 MB9B560R Microcontroller IC 32-Bit 160MHz 800KB (800K x 8) FLASH 80-LQFP (12x12) | Data Converters                 | A/D 16x12b, D/A 2x12b                   |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-Bit                                                                                                | Core Processor                  | ARM® Cortex®-M4F                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | CANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART, USB                                               |                                 |                                         |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                      |                |
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|  | Part#: <a href="#">MB9BF568MPMC-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 80LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566NBGL-GE1</a><br>Description: IC MCU 32BIT 544KB FLASH 112BGA     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566NPQC-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB9BF567RPMC-G-JNE2</a><br>Description: IC MCU 32BIT 800KB FLASH 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF567NPMC-G-JNE2</a><br>Description: IC MCU 32BIT 800KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF568MPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 80LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566NPMC-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF567RBGL-GK7E1</a><br>Description: IC MCU 32BIT 800KB FLASH 144BGA   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566LPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF568NBGL-GE1</a><br>Description: IC MCU 32BIT 1MB FLASH 112BGA       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566MPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 80LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF568NPMC-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566RPMC-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB9BF567MPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 800KB FLASH 80LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566RBGL-GK7E1</a><br>Description: IC MCU 32BIT 544KB FLASH 144BGA   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566LPMC-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 64LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF567NPQC-G-JNE2</a><br>Description: IC MCU 32BIT 800KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF566LQN-G-AVE2</a><br>Description: IC MCU 32BIT 544KB FLASH 64QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

| Related keywords for MB9BF567MPMC-G-JNE2  |                                                |                              |                           |
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