

MB9BF567NPMC-G-JNE2



**Part Number:** MB9BF567NPMC-G-JNE2

**Manufacturer:** Cypress Semiconductor

**Description:** IC MCU 32BIT 800KB FLASH 100LQFP

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

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

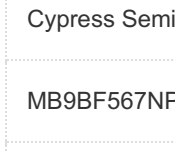
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                        |                                 |                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MB9BF567NPMC-G-JNE2                                                                                    | Manufacturer                    | <a href="#">Cypress Semiconductor</a>   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 800KB FLASH 100LQFP                                                                       | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 10924 pcs                                                                                              | Data sheet                      | <a href="#">MB9BF566-68M/N/R Series</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                                              | Voltage - Supply (Vcc/Vdd)      | 2.7 V ~ 5.5 V                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 100-LQFP (14x14)                                                                                       | 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                                                                                                                                                                                                                                                                                                                                                                                                               | 100-LQFP                                                                                               | Oscillator Type                 | Internal                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 125°C (TA)                                                                                     | Number of I/O                   | 80                                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                                                                                          | Manufacturer Standard Lead Time | 16 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 100-LQFP (14x14) | Data Converters                 | A/D 24x12b, 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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|  | Part#: <a href="#">MB9BF567RPMC-G-JNE2</a><br>Description: IC MCU 32BIT 800KB FLASH 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF567MPMC-G-JNE2</a><br>Description: IC MCU 32BIT 800KB FLASH 80LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF566MPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 80LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF566NPQC-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF568NPQC-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF568MPMC-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 80LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF568NBGL-GE1</a><br>Description: IC MCU 32BIT 1MB FLASH 112BGA       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF568RPMC-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 120LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF568NPMC-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF568MPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 80LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF567NBGL-GE1</a><br>Description: IC MCU 32BIT 800KB FLASH 112BGA     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MB9BF566MPMC-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 80LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF567RBGL-GK7E1</a><br>Description: IC MCU 32BIT 800KB FLASH 144BGA   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF566RBGL-GK7E1</a><br>Description: IC MCU 32BIT 544KB FLASH 144BGA   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF567NPQC-G-JNE2</a><br>Description: IC MCU 32BIT 800KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF566NPMC-G-JNE2</a><br>Description: IC MCU 32BIT 544KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB9BF568RBGL-GK7E1</a><br>Description: IC MCU 32BIT 1MB FLASH 144FBGA    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
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