

MB9BF568RBGL-GK7E1



**Part Number:** [MB9BF568RBGL-GK7E1](#)

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

**Description:** IC MCU 32BIT 1MB FLASH 144FBGA

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

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

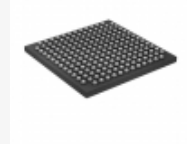
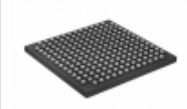
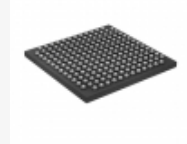
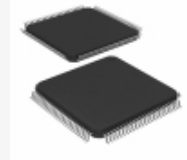
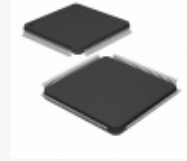
**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                  |                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MB9BF568RBGL-GK7E1                        | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 1MB FLASH 144FBGA            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6353 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                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 144-FBGA (7x7)                            | Speed                            | 160MHz                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FM4 MB9B560R                              | RAM Size                         | 128K x 8                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                     | Program Memory Size              | 1.03125MB (1.03125M x 8)                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DMA, LVD, POR, PWM, WDT                   | Packaging                        | Tray                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 144-LFBGA                                 | Other Names                      | 1534-1098<br>CY9BF568RBGL-GK7E1<br>MB9BF568RBGL-GE1<br>MB9BF568RBGL-GE1-ND                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                  | Operating Temperature            | -40°C ~ 125°C (TA)                                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100                                       | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                         | Detailed Description             | ARM® Cortex®-M4F FM4 MB9B560R Microcontroller IC 32-Bit 160MHz 1.03125MB (1.03125M x 8) FLASH 144-FBGA (7x7) |
| 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="#">MB9BF568MPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 80LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF618TPMC-GK7E1</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF617TPMC-GK7E1</a><br>Description: IC MCU 32BIT 768KB FLASH 176LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF568NPQC-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 100QFP    | 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="#">MB9BF616TBGL-GK7E1</a><br>Description: IC MCU 32BIT 512KB FLASH 192BGA   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF618SPMC-GK7E1</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF616SPMC-GK7E1</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF616TPMC-GK7E1</a><br>Description: IC MCU 32BIT 512KB FLASH 176LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | 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="#">MB9BF618TBGL-GK7E1</a><br>Description: IC MCU 32BIT 1MB FLASH 192BGA     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF617TBGL-GK7E1</a><br>Description: IC MCU 32BIT 768KB FLASH 192BGA   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | 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="#">MB9BF567RBGL-GK7E1</a><br>Description: IC MCU 32BIT 800KB FLASH 144BGA   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF567NBGL-GE1</a><br>Description: IC MCU 32BIT 800KB FLASH 112BGA     | 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="#">MB9BF617SPMC-GK7E1</a><br>Description: IC MCU 32BIT 768KB FLASH 144LQFP  | 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="#">MB9BF567NPMC-G-JNE2</a><br>Description: IC MCU 32BIT 800KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9BF568RPMC-G-JNE2</a><br>Description: IC MCU 32BIT 1MB FLASH 120LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

Related keywords for MB9BF568RBGL-GK7E1

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