

MB9AFB41NBBGL-GE1



Part Number: [MB9AFB41NBBGL-GE1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 96KB FLASH 112BGA

Data sheet:  [MB9AFB4xLB/MB/NB Series](#)

RoHs Status: Lead free / RoHS Compliant

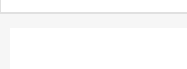
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                  |                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MB9AFB41NBBGL-GE1                         | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 96KB FLASH 112BGA            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 23534 pcs                                 | Data sheet                       | <a href="#">MB9AFB4xLB/MB/NB Series</a>                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.65 V ~ 3.6 V                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 96-FBGA (6x6)                             | Speed                            | 40MHz                                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FM3 MB9AB40NB                             | RAM Size                         | 16K x 8                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                     | Program Memory Size              | 96KB (96K x 8)                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DMA, LCD, LVD, POR, PWM, WDT              | Packaging                        | Tray                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 96-LFBGA                                  | Other Names                      | CY9AFB41NBBGL-GE1                                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 83                                        | 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®-M3 FM3 MB9AB40NB Microcontroller IC 32-Bit 40MHz 96KB (96K x 8) FLASH 96-FBGA (6x6) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 24x12b                                | Core Size                        | 32-Bit                                                                                           |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ARM® Cortex®-M3                           | Connectivity                     | CSIO, EBI/EMI, I <sup>2</sup> C, UART/USART, USB                                                 |
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|  | Part#: <a href="#">MB9AFB41NBPMC-G-JNE2</a><br>Description: IC MCU 32BIT 96KB FLASH 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AFB42LBPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 160KB FLASH 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AFB42NBBGL-GE1</a><br>Description: IC MCU 32BIT 160KB FLASH 112BGA     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AFB41NBPQC-G-JNE2</a><br>Description: IC MCU 32BIT 96KB FLASH 100QFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AFB42LBQN-G-AVE2</a><br>Description: IC MCU 32BIT 160KB FLASH 64QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB9AFB41LBPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 96KB FLASH 64LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AFAA2MPMC1-G-SNE2</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AFB42MBPMC-G-JNE2</a><br>Description: IC MCU 32BIT 160KB FLASH 80LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AFB42LBPMC-G-JNE2</a><br>Description: IC MCU 32BIT 160KB FLASH 64LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB9AFAA2NPMC-G-UNE2</a><br>Description: IC MCU 32BIT FLASH 100LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AFB41MBBGL-GE1</a><br>Description: IC MCU 32BIT 96KB FLASH 96BGA       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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Related keywords for MB9AFB41NBBGL-GE1

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