



Cypress Semiconductor



### MB9AF344MBBGL-GE1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB9AF344MBBGL-GE1                                                                                            |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 32BIT 288KB FLASH 96BGA                                                                               |
| Datasheets:         |  MB9AF344MBBGL-GE1.pdf      |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

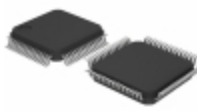
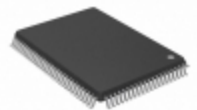
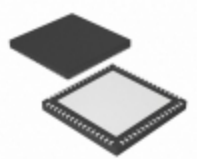
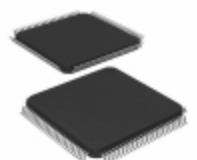
#### Specifications of MB9AF344MBBGL-GE1

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB9AF344MBBGL-GE1                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 288KB FLASH 96BGA                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                |
| DATA SHEET                       |  MB9AF344MBBGL-GE1.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 96-FBGA (6x6)                                                                                             |
| SPEED                            | 40MHz                                                                                                     |
| SERIES                           | FM3 MB9A340NB                                                                                             |
| RAM SIZE                         | 32K x 8                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                     |
| PROGRAM MEMORY SIZE              | 288KB (288K x 8)                                                                                          |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                   |
| PACKAGING                        | Tray                                                                                                      |
| PACKAGE / CASE                   | 96-LFBGA                                                                                                  |
| OTHER NAMES                      | CY9AF344MBBGL-GE1                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                         |
| NUMBER OF I/O                    | 66                                                                                                        |
| 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 MB9A340NB Microcontroller IC 32-Bit 40MHz 288KB (288K x 8) FLASH 96-FBGA (6x6)        |
| DATA CONVERTERS                  | A/D 17x12b                                                                                                |
| CORE SIZE                        | 32-Bit                                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                           |
| CONNECTIVITY                     | CSIO, EBI/EMI, I²C, UART/USART, USB                                                                       |

#### Related Tags

|                                         |                                              |                                             |
|-----------------------------------------|----------------------------------------------|---------------------------------------------|
| Cypress Semiconductor MB9AF344MBBGL-GE1 | MB9AF344MBBGL-GE1 Distributor                | MB9AF344MBBGL-GE1 Supplier                  |
| MB9AF344MBBGL-GE1 Price                 | MB9AF344MBBGL-GE1 Pictures                   | MB9AF344MBBGL-GE1 Image                     |
| MB9AF344MBBGL-GE1 PDF Datasheet         | MB9AF344MBBGL-GE1 Download Datasheet         | MB9AF344MBBGL-GE1 Datasheet                 |
| MB9AF344MBBGL-GE1 Stock                 | Buy MB9AF344MBBGL-GE1                        | Buy Cypress Semiconductor MB9AF344MBBGL-GE1 |
| Cypress Semiconductor MB9AF344MBBGL-GE1 | Cypress Semiconductor Supplier               | Cypress Semiconductor Distributor           |
| Cypress Semiconductor MB9AF344MBBGL-GE1 | Cypress Semiconductor Corp MB9AF344MBBGL-GE1 |                                             |

#### Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
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|  <div><b>MB9AF344LBPMC1-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 64LQFP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>MB9AF344MBPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 80LQFP<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>MB9AF344MAPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH<br/>In stock: Out stock<br/>RFQ</div>         |  <div><b>MB9AF344NBPQC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 100QFP<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>MB9AF344LBPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 64LQFP<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>MB9AF344LBQN-G-AVE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 64QFN<br/>In stock: Out stock<br/>RFQ</div>    |
|  <div><b>MB9AF342NBPQC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 160KB FLASH 100QFP<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>MB9AF344NBPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>MB9AF344NAPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH<br/>In stock: Out stock<br/>RFQ</div>         |  <div><b>MB9AF344NBBGL-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 112BGA<br/>In stock: Out stock<br/>RFQ</div>     |
|  <div><b>MB9AF344MBPMC1-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 80LQFP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>MB9AF342NBPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 160KB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div> |