

MB9AF312LAPMC-G-JNE2



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Part Number: [MB9AF312LAPMC-G-JNE2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 128KB FLASH 64LQFP

Data sheet:  [MB9A310A Series](#)

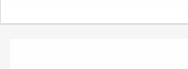
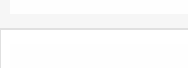
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                     |                                 |                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MB9AF312LAPMC-G-JNE2                                                                                | Manufacturer                    | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 128KB FLASH 64LQFP                                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32116 pcs                                                                                           | Data sheet                      | <a href="#">MB9A310A Series</a>       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                                           | Voltage - Supply (Vcc/Vdd)      | 2.7 V ~ 5.5 V                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64-LQFP (12x12)                                                                                     | Speed                           | 40MHz                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FM3 MB9A310A                                                                                        | RAM Size                        | 16K x 8                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                               | Program Memory Size             | 128KB (128K x 8)                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DMA, LVD, POR, PWM, WDT                                                                             | Packaging                       | Tray                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 64-LQFP                                                                                             | Oscillator Type                 | Internal                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 105°C (TA)                                                                                  | Number of I/O                   | 51                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                                                                                       | Manufacturer Standard Lead Time | 28 Weeks                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                                          | EEPROM Size                     | -                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M3 FM3 MB9A310A Microcontroller IC 32-Bit 40MHz 128KB (128K x 8) FLASH 64-LQFP (12x12) | Data Converters                 | A/D 9x12b                             |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-Bit                                                                                              | Core Processor                  | ARM® Cortex®-M3                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CSIO, I²C, LINbus, UART/USART, USB                                                                  |                                 |                                       |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                      |                |
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|  | Part#: <a href="#">MB9AF312MAPMC-G-JNE2</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF314MAPMC-G-JNE2</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB9AF312KPMC-G-104-JNE2</a><br>Description: IC MCU 32BIT 160KB FLASH 48LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF312NAPF-G-JNE1</a><br>Description: IC MCU 32BIT 128KB FLASH 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF314LAPMC-G-JNE2</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF314LAQN-G-AVE2</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB9AF312LAQN-G-AVE2</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF311LAQN-G-AVE2</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB9AF311NABGL-GE1</a><br>Description: IC MCU 32BIT 64KB FLASH 112BGA        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF312KPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 160KB FLASH 52LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF312KQN-G-AVE2</a><br>Description: IC MCU 32BIT 160KB FLASH 48QFN       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF311LAPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF312LAPMC1-G-JNE2</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB9AF312KPMC-G-JNE2</a><br>Description: IC MCU 32BIT 160KB FLASH 48LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB9AF312NABGL-GE1</a><br>Description: IC MCU 32BIT 128KB FLASH 112BGA       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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