



Cypress Semiconductor



MB9BF512NPMC-G-JNE2

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB9BF512NPMC-G-JNE2                                                                                          |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 32BIT 160KB FLASH 100LQFP                                                                             |
| Datasheets:         |  MB9BF512NPMC-G-JNE2.pdf    |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 17525 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

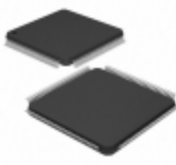
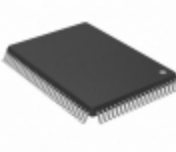
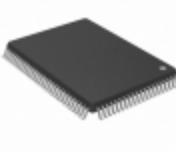
Specifications of MB9BF512NPMC-G-JNE2

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB9BF512NPMC-G-JNE2                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 160KB FLASH 100LQFP                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| QUANTITY AVAILABLE               | 17525 pcs                                                                                                   |
| DATA SHEET                       |  MB9BF512NPMC-G-JNE2.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                            |
| SPEED                            | 144MHz                                                                                                      |
| SERIES                           | FM3 MB9B510R                                                                                                |
| RAM SIZE                         | 16K x 8                                                                                                     |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                       |
| PROGRAM MEMORY SIZE              | 160KB (160K x 8)                                                                                            |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                     |
| PACKAGING                        | Tray                                                                                                        |
| PACKAGE / CASE                   | 100-LQFP                                                                                                    |
| OTHER NAMES                      | CY9BF512NPMC-G-JNE2                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                           |
| NUMBER OF I/O                    | 83                                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| EEPROM SIZE                      | -                                                                                                           |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 FM3 MB9B510R Microcontroller IC 32-Bit 144MHz 160KB (160K x 8) FLASH 100-LQFP (14x14)       |
| DATA CONVERTERS                  | A/D 16x12b                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                             |
| CONNECTIVITY                     | CANbus, CSIO, EBI/EMI, I²C, LINbus, UART/USART, USB                                                         |

Related Tags

|                                           |                                                |                                               |
|-------------------------------------------|------------------------------------------------|-----------------------------------------------|
| Cypress Semiconductor MB9BF512NPMC-G-JNE2 | MB9BF512NPMC-G-JNE2 Distributor                | MB9BF512NPMC-G-JNE2 Supplier                  |
| MB9BF512NPMC-G-JNE2 Price                 | MB9BF512NPMC-G-JNE2 Pictures                   | MB9BF512NPMC-G-JNE2 Image                     |
| MB9BF512NPMC-G-JNE2 PDF Datasheet         | MB9BF512NPMC-G-JNE2 Download Datasheet         | MB9BF512NPMC-G-JNE2 Datasheet                 |
| MB9BF512NPMC-G-JNE2 Stock                 | Buy MB9BF512NPMC-G-JNE2                        | Buy Cypress Semiconductor MB9BF512NPMC-G-JNE2 |
| Cypress Semiconductor MB9BF512NPMC-G-JNE2 | Cypress Semiconductor Supplier                 | Cypress Semiconductor Distributor             |
| Cypress Semiconductor MB9BF512NPMC-G-JNE2 | Cypress Semiconductor Corp MB9BF512NPMC-G-JNE2 |                                               |

Related Products

|                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MB9BF514RPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 120LQFP<br/>In stock: 18877 pcs<br/><b>RFQ</b></div> |  <div><b>MB9BF506NPMC-G-JNE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 15997 pcs<br/><b>RFQ</b></div> |
|  <div><b>MB9BF506NBBGL-GK6E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 112BGA<br/>In stock: 9032 pcs<br/><b>RFQ</b></div>   |  <div><b>MB9BF506RBPMC-G-UNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 120LQFP<br/>In stock: 7530 pcs<br/><b>RFQ</b></div> |
|  <div><b>MB9BF506NBPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 9850 pcs<br/><b>RFQ</b></div> |  <div><b>MB9BF512NPQC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 160KB FLASH 100QFP<br/>In stock: 21493 pcs<br/><b>RFQ</b></div>  |
|  <div><b>MB9BF512NBGL-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 160KB FLASH 112BGA<br/>In stock: 19056 pcs<br/><b>RFQ</b></div>     |  <div><b>MB9BF514NBGL-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 112BGA<br/>In stock: 16853 pcs<br/><b>RFQ</b></div>     |
|  <div><b>MB9BF514NPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 100LQFP<br/>In stock: 14856 pcs<br/><b>RFQ</b></div> |  <div><b>MB9BF514NPQC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 100QFP<br/>In stock: 19955 pcs<br/><b>RFQ</b></div>  |
|  <div><b>MB9BF512RPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 160KB FLASH 120LQFP<br/>In stock: 17071 pcs<br/><b>RFQ</b></div> |  <div><b>MB9BF506NBPMC-G-UNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH<br/>In stock: 9415 pcs<br/><b>RFQ</b></div>         |