



Cypress Semiconductor



### CY9AF316NAPMC-G-MNE2

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | CY9AF316NAPMC-G-MNE2                                                                                                       |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                                      |
| Product description | IC MCU 32BIT 512KB FLASH 100LQFP                                                                                           |
| Datasheets:         |  <a href="#">CY9AF316NAPMC-G-MNE2.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant               |
| Stock Condition     | 15216 pcs stock                                                                                                            |
| Ship From           | Hong Kong                                                                                                                  |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                      |

REQUEST FOR QUOTATION

#### Specifications of CY9AF316NAPMC-G-MNE2

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | CY9AF316NAPMC-G-MNE2                                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                        |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100LQFP                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| QUANTITY AVAILABLE               | 15216 pcs                                                                                                                    |
| DATA SHEET                       |  <a href="#">CY9AF316NAPMC-G-MNE2.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                             |
| SPEED                            | 40MHz                                                                                                                        |
| SERIES                           | FM3 MB9A310A                                                                                                                 |
| RAM SIZE                         | 32K x 8                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                        |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                             |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                                      |
| PACKAGING                        | Tray                                                                                                                         |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                     |
| OTHER NAMES                      | MB9AF316NAPMC-G-JNE2<br>MB9AF316NAPMC-G-JNE2-ND                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 105°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 MB9A310A Microcontroller IC 32-Bit 40MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)                         |
| DATA CONVERTERS                  | A/D 16x12b                                                                                                                   |
| CORE SIZE                        | 32-Bit                                                                                                                       |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                              |
| CONNECTIVITY                     | CSIO, EBI/EMI, I²C, LINbus, UART/USART, USB                                                                                  |

#### Related Tags

|                                            |                                                 |                                                |
|--------------------------------------------|-------------------------------------------------|------------------------------------------------|
| Cypress Semiconductor CY9AF316NAPMC-G-MNE2 | CY9AF316NAPMC-G-MNE2 Distributor                | CY9AF316NAPMC-G-MNE2 Supplier                  |
| CY9AF316NAPMC-G-MNE2 Price                 | CY9AF316NAPMC-G-MNE2 Pictures                   | CY9AF316NAPMC-G-MNE2 Image                     |
| CY9AF316NAPMC-G-MNE2 PDF Datasheet         | CY9AF316NAPMC-G-MNE2 Download Datasheet         | CY9AF316NAPMC-G-MNE2 Datasheet                 |
| CY9AF316NAPMC-G-MNE2 Stock                 | Buy CY9AF316NAPMC-G-MNE2                        | Buy Cypress Semiconductor CY9AF316NAPMC-G-MNE2 |
| Cypress Semiconductor CY9AF316NAPMC-G-MNE2 | Cypress Semiconductor Supplier                  | Cypress Semiconductor Distributor              |
| Cypress Semiconductor CY9AF316NAPMC-G-MNE2 | Cypress Semiconductor Corp CY9AF316NAPMC-G-MNE2 |                                                |

#### Related Products

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| <div></div> <div><b>CY9266-T</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: EVALUATION BOARD FOR HOTLINK<br/>In stock: 4484 pcs</div> <div>RFQ</div>                  | <div></div> <div><b>CY9AF115MAPMC-G-MNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 384KB FLASH 80LQFP<br/>In stock: 15730 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>CY9AF115NAPMC-G-MNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br/>In stock: 15105 pcs</div> <div>RFQ</div> | <div></div> <div><b>CY9AF315NAPMC-G-MNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br/>In stock: 12542 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>CY9AF316MAPMC-G-MNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br/>In stock: 11791 pcs</div> <div>RFQ</div>  | <div></div> <div><b>CY95F718JPMC-G-UNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 8BIT 60KB FLASH 80LQFP<br/>In stock: 31611 pcs</div> <div>RFQ</div>     |
| <div></div> <div><b>CY9AF116NAPMC-G-MNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 10922 pcs</div> <div>RFQ</div> | <div></div> <div><b>CY9266-FX</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: EVALUATION BOARD FOR HOTLINK<br/>In stock: 4940 pcs</div> <div>RFQ</div>                 |
| <div></div> <div><b>CY95F634HPMC-G-UNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 8BIT 20KB FLASH 32LQFP<br/>In stock: 54546 pcs</div> <div>RFQ</div>     | <div></div> <div><b>CY95F778JPMC2-G-UNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 8BIT 60KB FLASH 64LQFP<br/>In stock: 28323 pcs</div> <div>RFQ</div>    |
| <div></div> <div><b>CY9AF315MAPMC-G-MNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 384KB FLASH 80LQFP<br/>In stock: 14903 pcs</div> <div>RFQ</div>  | <div></div> <div><b>CY9AF116MAPMC-G-MNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br/>In stock: 15170 pcs</div> <div>RFQ</div>  |