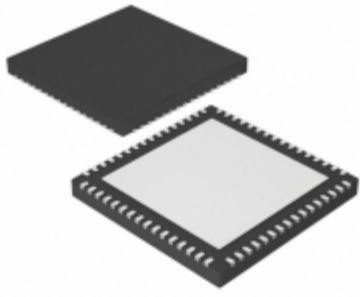


MB9BF165LQN-G-AVE2



Images are for reference only.  
See Product Specifications for product details.  
Buy MB9BF165LQN-G-AVE2 with confidence from  
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Part Number: MB9BF165LQN-G-AVE2

Manufacturer: Cypress Semiconductor

Description: IC MCU 32BIT 416KB FLASH 64QFN

Data sheet:  MB9B160L Series

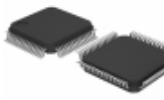
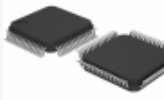
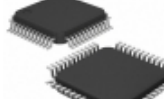
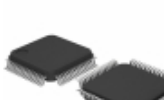
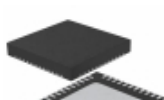
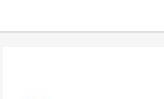
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                |                                  |                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MB9BF165LQN-G-AVE2             | Manufacturer                     | Cypress Semiconductor                                                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 32BIT 416KB FLASH 64QFN | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 24158 pcs                      | Data sheet                       | MB9B160L Series                                                                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | Integrated Circuits (ICs)      | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                     | 64-QFN (9x9)                   | Speed                            | 160MHz                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | FM4 MB9B160L                   | RAM Size                         | 48K x 8                                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                          | Program Memory Size              | 416KB (416K x 8)                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | DMA, LVD, POR, PWM, WDT        | Packaging                        | Tray                                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 64-VFQFN Exposed Pad           | Other Names                      | CY9BF165LQN-G-AVE2                                                                                 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                       | Operating Temperature            | -40°C ~ 125°C (TA)                                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                               | 48                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                             | 16 Weeks                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                 | -                              | Detailed Description             | ARM® Cortex®-M4F FM4 MB9B160L Microcontroller IC 32-Bit 160MHz 416KB (416K x 8) FLASH 64-QFN (9x9) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 15x12b, D/A 2x12b          | Core Size                        | 32-Bit                                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                              | ARM® Cortex®-M4F               | Connectivity                     | CSIO, I²C, LINbus, UART/USART                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                             |                                      |     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------|-----|
|  | Part#: MB9BF165LPMC-G-JNE2<br>Description: IC MCU 32BIT 416KB FLASH 64LQFP  | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166LPMC-G-JNE2<br>Description: IC MCU 32BIT 544KB FLASH 64LQFP  | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF165KPMC-G-JNE2<br>Description: IC MCU 32BIT 416KB FLASH 48LQFP  | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166KPMC-G-JNE2<br>Description: IC MCU 32BIT 544KB FLASH 48LQFP  | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF164KPMC-G-JNE2<br>Description: IC MCU 32BIT 288KB FLASH 48LQFP  | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF129TPMC-GK7E1<br>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP  | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF164LPMC1-G-JNE2<br>Description: IC MCU 32BIT 288KB FLASH 64LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166NPMC-G-JNE2<br>Description: IC MCU 32BIT 544KB FLASH 100LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF164KQN-G-AVE2<br>Description: IC MCU 32BIT 288KB FLASH 48QFN    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166KZPMC-G-JNE2<br>Description: MM MCU                          | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166LQN-G-AVE2<br>Description: IC MCU 32BIT 544KB FLASH 64QFN    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166MPMC-G-JNE2<br>Description: IC MCU 32BIT 544KB FLASH 80LQFP  | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF165KQN-G-AVE2<br>Description: IC MCU 32BIT 416KB FLASH 48QFN    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF165LPMC1-G-JNE2<br>Description: IC MCU 32BIT 416KB FLASH 64LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166NBGL-GE1<br>Description: IC MCU 32BIT 544KB FLASH 112BGA     | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166MPMC1-G-JNE2<br>Description: IC MCU 32BIT 544KB FLASH 80LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166LPMC1-G-JNE2<br>Description: IC MCU 32BIT 544KB FLASH 64LQFP | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF166KQN-G-AVE2<br>Description: IC MCU 32BIT 544KB FLASH 48QFN    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF164LQN-G-AVE2<br>Description: IC MCU 32BIT 288KB FLASH 64QFN    | Manufacturers: Cypress Semiconductor | RFQ |
|  | Part#: MB9BF164LPMC-G-JNE2<br>Description: IC MCU 32BIT 288KB FLASH 64LQFP  | Manufacturers: Cypress Semiconductor | RFQ |

Related keywords for MB9BF165LQN-G-AVE2

|                                          |                                               |                             |                          |
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