



Cypress Semiconductor



MB9BF165KPMC-G-JNE2

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB9BF165KPMC-G-JNE2                                                                                          |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 32BIT 416KB FLASH 48LQFP                                                                              |
| Datasheets:         |  MB9BF165KPMC-G-JNE2.pdf    |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 20484 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

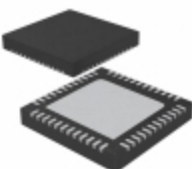
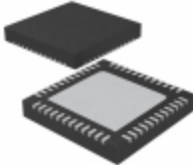
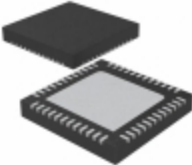
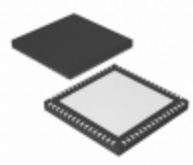
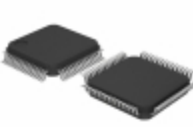
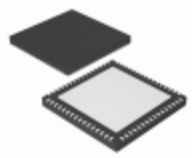
Specifications of MB9BF165KPMC-G-JNE2

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB9BF165KPMC-G-JNE2                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 416KB FLASH 48LQFP                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| QUANTITY AVAILABLE               | 20484 pcs                                                                                                   |
| DATA SHEET                       |  MB9BF165KPMC-G-JNE2.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (7x7)                                                                                               |
| 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                   | 48-LQFP                                                                                                     |
| OTHER NAMES                      | CY9BF165KPMC-G-JNE2                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                          |
| NUMBER OF I/O                    | 33                                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                               |
| 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 48-LQFP (7x7)         |
| DATA CONVERTERS                  | A/D 8x12b, D/A 2x12b                                                                                        |
| CORE SIZE                        | 32-Bit                                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                            |
| CONNECTIVITY                     | CSIO, I²C, LINbus, UART/USART                                                                               |

Related Tags

|                                           |                                                |                                               |
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| Cypress Semiconductor MB9BF165KPMC-G-JNE2 | Cypress Semiconductor Supplier                 | Cypress Semiconductor Distributor             |
| Cypress Semiconductor MB9BF165KPMC-G-JNE2 | Cypress Semiconductor Corp MB9BF165KPMC-G-JNE2 |                                               |

Related Products

|                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                           |
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| <div></div> <div><b>MB9BF129TPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP<br/>In stock: 4962 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>MB9BF164KQN-G-AVE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 48QFN<br/>In stock: 13656 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MB9BF165KQN-G-AVE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 416KB FLASH 48QFN<br/>In stock: 21435 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>MB9BF166KQN-G-AVE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 48QFN<br/>In stock: 18478 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MB9BF165LQN-G-AVE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 416KB FLASH 64QFN<br/>In stock: 21717 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>MB9BF166KPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 48LQFP<br/>In stock: 22075 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>MB9BF165LPMC1-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 416KB FLASH 64LQFP<br/>In stock: 22555 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>MB9BF164LQN-G-AVE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 64QFN<br/>In stock: 23160 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MB9BF164LPMC1-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 64LQFP<br/>In stock: 20335 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>MB9BF165LPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 416KB FLASH 64LQFP<br/>In stock: 17369 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>MB9BF164LPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 64LQFP<br/>In stock: 20464 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>MB9BF164KPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 48LQFP<br/>In stock: 21860 pcs<br/><div>RFQ</div></div> |