



Cypress Semiconductor



MB9BF116SPMC-GK7E1

|                     |                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB9BF116SPMC-GK7E1                                                                                                       |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                                    |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                                                                                         |
| Datasheets:         |  <a href="#">MB9BF116SPMC-GK7E1.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant             |
| Stock Condition     | 7857 pcs stock                                                                                                           |
| Ship From           | Hong Kong                                                                                                                |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                    |

REQUEST FOR QUOTATION

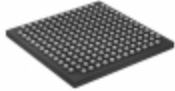
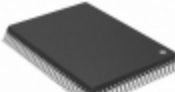
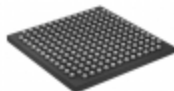
Specifications of MB9BF116SPMC-GK7E1

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB9BF116SPMC-GK7E1                                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                 |
| QUANTITY AVAILABLE               | 7857 pcs                                                                                                                   |
| DATA SHEET                       |  <a href="#">MB9BF116SPMC-GK7E1.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                                           |
| SPEED                            | 144MHz                                                                                                                     |
| SERIES                           | FM3 MB9B110T                                                                                                               |
| RAM SIZE                         | 64K x 8                                                                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                      |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                           |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                                    |
| PACKAGING                        | Tray                                                                                                                       |
| PACKAGE / CASE                   | 144-LQFP                                                                                                                   |
| OTHER NAMES                      | CY9BF116SPMC-GK7E1<br>MB9BF116SPMC-GE1<br>MB9BF116SPMC-GE1-ND                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                                   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                          |
| NUMBER OF I/O                    | 122                                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                 |
| EEPROM SIZE                      | -                                                                                                                          |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 FM3 MB9B110T Microcontroller IC 32-Bit 144MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)                      |
| DATA CONVERTERS                  | A/D 24x12b                                                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                                     |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                            |
| CONNECTIVITY                     | CSIO, EBI/EMI, I²C, LINbus, UART/USART                                                                                     |

Related Tags

|                                          |                                               |                                              |
|------------------------------------------|-----------------------------------------------|----------------------------------------------|
| Cypress Semiconductor MB9BF116SPMC-GK7E1 | MB9BF116SPMC-GK7E1 Distributor                | MB9BF116SPMC-GK7E1 Supplier                  |
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| Cypress Semiconductor MB9BF116SPMC-GK7E1 | Cypress Semiconductor Supplier                | Cypress Semiconductor Distributor            |
| Cypress Semiconductor MB9BF116SPMC-GK7E1 | Cypress Semiconductor Corp MB9BF116SPMC-GK7E1 |                                              |

Related Products

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                |
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|  <div><b>MB9BF117SPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 8065 pcs<br/><div>RFQ</div></div>   |  <div><b>MB9BF117TBGL-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 192BGA<br/>In stock: 6560 pcs<br/><div>RFQ</div></div>   |
|  <div><b>MB9BF116NPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 100LQFP<br/>In stock: 18967 pcs<br/><div>RFQ</div></div> |  <div><b>MB9BF118SPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 6693 pcs<br/><div>RFQ</div></div>    |
|  <div><b>MB9BF115RPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 416KB FLASH 120LQFP<br/>In stock: 19789 pcs<br/><div>RFQ</div></div> |  <div><b>MB9BF116NPQC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 100QFP<br/>In stock: 17163 pcs<br/><div>RFQ</div></div> |
|  <div><b>MB9BF116TBGL-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 192BGA<br/>In stock: 6101 pcs<br/><div>RFQ</div></div>    |  <div><b>MB9BF116NBGL-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 112BGA<br/>In stock: 15814 pcs<br/><div>RFQ</div></div>    |
|  <div><b>MB9BF115NPQC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 416KB FLASH 100QFP<br/>In stock: 18304 pcs<br/><div>RFQ</div></div>  |  <div><b>MB9BF116TPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 176LQFP<br/>In stock: 7442 pcs<br/><div>RFQ</div></div>  |
|  <div><b>MB9BF116RPMC-G-JNE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 120LQFP<br/>In stock: 17835 pcs<br/><div>RFQ</div></div> |  <div><b>MB9BF117TPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 176LQFP<br/>In stock: 6860 pcs<br/><div>RFQ</div></div>  |