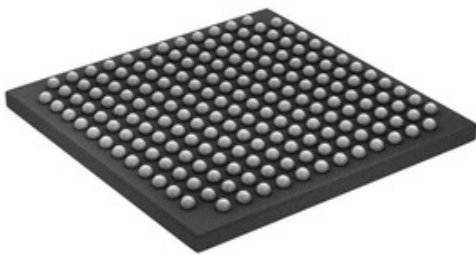




Cypress Semiconductor



MB9BFD16TBGL-GK7E1

|                     |                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB9BFD16TBGL-GK7E1                                                                                                       |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                                    |
| Product description | IC MCU 32BIT 512KB FLASH 192BGA                                                                                          |
| Datasheets:         |  <a href="#">MB9BFD16TBGL-GK7E1.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant             |
| Stock Condition     | 7695 pcs stock                                                                                                           |
| Ship From           | Hong Kong                                                                                                                |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                    |

REQUEST FOR QUOTATION

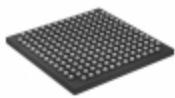
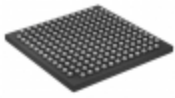
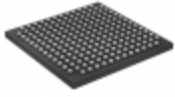
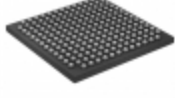
Specifications of MB9BFD16TBGL-GK7E1

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB9BFD16TBGL-GK7E1                                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 192BGA                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                 |
| QUANTITY AVAILABLE               | 7695 pcs                                                                                                                   |
| DATA SHEET                       |  <a href="#">MB9BFD16TBGL-GK7E1.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 192-FBGA (12x12)                                                                                                           |
| SPEED                            | 144MHz                                                                                                                     |
| SERIES                           | FM3 MB9BD10T                                                                                                               |
| 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                   | 192-LFBGA                                                                                                                  |
| OTHER NAMES                      | CY9BFD16TBGL-GK7E1<br>MB9BFD16TBGL-GE1<br>MB9BFD16TBGL-GE1-ND                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                                   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                          |
| NUMBER OF I/O                    | 154                                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                 |
| EEPROM SIZE                      | -                                                                                                                          |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 FM3 MB9BD10T Microcontroller IC 32-Bit 144MHz 512KB (512K x 8) FLASH 192-FBGA (12x12)                      |
| DATA CONVERTERS                  | A/D 32x12b                                                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                                     |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                            |
| CONNECTIVITY                     | CANbus, CSIO, EBI/EMI, Ethernet, I²C, LINbus, SD, UART/USART, USB                                                          |

Related Tags

|                                          |                                               |                                              |
|------------------------------------------|-----------------------------------------------|----------------------------------------------|
| Cypress Semiconductor MB9BFD16TBGL-GK7E1 | MB9BFD16TBGL-GK7E1 Distributor                | MB9BFD16TBGL-GK7E1 Supplier                  |
| MB9BFD16TBGL-GK7E1 Price                 | MB9BFD16TBGL-GK7E1 Pictures                   | MB9BFD16TBGL-GK7E1 Image                     |
| MB9BFD16TBGL-GK7E1 PDF Datasheet         | MB9BFD16TBGL-GK7E1 Download Datasheet         | MB9BFD16TBGL-GK7E1 Datasheet                 |
| MB9BFD16TBGL-GK7E1 Stock                 | Buy MB9BFD16TBGL-GK7E1                        | Buy Cypress Semiconductor MB9BFD16TBGL-GK7E1 |
| Cypress Semiconductor MB9BFD16TBGL-GK7E1 | Cypress Semiconductor Supplier                | Cypress Semiconductor Distributor            |
| Cypress Semiconductor MB9BFD16TBGL-GK7E1 | Cypress Semiconductor Corp MB9BFD16TBGL-GK7E1 |                                              |

Related Products

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>MB9BFD18TBGL-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 192FBGA<br/>In stock: 5361 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>MB9BF618SPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 6365 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MB9BFD17TPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 176LQFP<br/>In stock: 7294 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>MB9BF617TBGL-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 192BGA<br/>In stock: 6001 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>MB9BF618TPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 7186 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>MB9BF618TBGL-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 192BGA<br/>In stock: 7698 pcs<br/><div>RFQ</div></div>    |
| <div></div> <div><b>MB9BF617TPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 176LQFP<br/>In stock: 6435 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>MB9BFD16SPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 6924 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>MB9BFD16TPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 176LQFP<br/>In stock: 6084 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>MB9BFD17SPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 6387 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>MB9BFD17TBGL-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 192BGA<br/>In stock: 6052 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>MB9BFD18SPMC-GK7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 5979 pcs<br/><div>RFQ</div></div>   |