

CYPRESS  
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Cypress Semiconductor



Image may be representation. See specifications for product details.

### MB91F586LCPMC-GTK5E1

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB91F586LCPMC-GTK5E1                                                                                                       |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                                      |
| Product description | IC MCU 32BIT 832KB FLASH 144LQFP                                                                                           |
| Datasheets:         |  <a href="#">MB91F586LCPMC-GTK5E1.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant               |
| Stock Condition     | 6462 pcs stock                                                                                                             |
| Ship From           | Hong Kong                                                                                                                  |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                      |

REQUEST FOR QUOTATION

#### Specifications of MB91F586LCPMC-GTK5E1

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB91F586LCPMC-GTK5E1                                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                        |
| DESCRIPTION                      | IC MCU 32BIT 832KB FLASH 144LQFP                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| QUANTITY AVAILABLE               | 6462 pcs                                                                                                                     |
| DATA SHEET                       |  <a href="#">MB91F586LCPMC-GTK5E1.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3.7 V ~ 5.5 V                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                                             |
| SPEED                            | 128MHz                                                                                                                       |
| SERIES                           | FR MB91580L                                                                                                                  |
| RAM SIZE                         | 72K x 8                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                        |
| PROGRAM MEMORY SIZE              | 832KB (832K x 8)                                                                                                             |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                                      |
| PACKAGING                        | Tray                                                                                                                         |
| PACKAGE / CASE                   | 144-LQFP                                                                                                                     |
| OTHER NAMES                      | MB91F586LCPMC-GTE1<br>MB91F586LCPMC-GTE1-ND                                                                                  |
| OSCILLATOR TYPE                  | External                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                           |
| NUMBER OF I/O                    | 98                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| EEPROM SIZE                      | 64K x 8                                                                                                                      |
| DETAILED DESCRIPTION             | FR81S FR MB91580L Microcontroller IC 32-Bit 128MHz 832KB (832K x 8) FLASH 144-LQFP (20x20)                                   |
| DATA CONVERTERS                  | A/D 24x12b                                                                                                                   |
| CORE SIZE                        | 32-Bit                                                                                                                       |
| CORE PROCESSOR                   | FR81S                                                                                                                        |
| CONNECTIVITY                     | CANbus, CSIO, I²C, LINbus, SPI, UART/USART                                                                                   |

#### Related Tags

|                                            |                                                 |                                                |
|--------------------------------------------|-------------------------------------------------|------------------------------------------------|
| Cypress Semiconductor MB91F586LCPMC-GTK5E1 | MB91F586LCPMC-GTK5E1 Distributor                | MB91F586LCPMC-GTK5E1 Supplier                  |
| MB91F586LCPMC-GTK5E1 Price                 | MB91F586LCPMC-GTK5E1 Pictures                   | MB91F586LCPMC-GTK5E1 Image                     |
| MB91F586LCPMC-GTK5E1 PDF Datasheet         | MB91F586LCPMC-GTK5E1 Download Datasheet         | MB91F586LCPMC-GTK5E1 Datasheet                 |
| MB91F586LCPMC-GTK5E1 Stock                 | Buy MB91F586LCPMC-GTK5E1                        | Buy Cypress Semiconductor MB91F586LCPMC-GTK5E1 |
| Cypress Semiconductor MB91F586LCPMC-GTK5E1 | Cypress Semiconductor Supplier                  | Cypress Semiconductor Distributor              |
| Cypress Semiconductor MB91F586LCPMC-GTK5E1 | Cypress Semiconductor Corp MB91F586LCPMC-GTK5E1 |                                                |

#### Related Products

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|  <b>MB91F587LBPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br>In stock: 3233 pcs<br><b>RFQ</b>   |  <b>MB91F587LDPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br>In stock: 5902 pcs<br><b>RFQ</b>   |
|  <b>MB91F585PMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 576KB FLASH 144LQFP<br>In stock: 6276 pcs<br><b>RFQ</b>   |  <b>MB91F585MGPMC-GTE1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 576KB FLASH 100LQFP<br>In stock: 10984 pcs<br><b>RFQ</b>  |
|  <b>MB91F587LCPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br>In stock: 4449 pcs<br><b>RFQ</b>   |  <b>MB91F587LPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br>In stock: 7285 pcs<br><b>RFQ</b>    |
|  <b>MB91F586LBPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 832KB FLASH 144LQFP<br>In stock: 5411 pcs<br><b>RFQ</b> |  <b>MB91F585LPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 576KB FLASH 144LQFP<br>In stock: 9212 pcs<br><b>RFQ</b>  |
|  <b>MB91F586LAPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 832KB FLASH 144LQFP<br>In stock: 6281 pcs<br><b>RFQ</b> |  <b>MB91F586LDPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 832KB FLASH 144LQFP<br>In stock: 3972 pcs<br><b>RFQ</b> |
|  <b>MB91F585MHPMC-GTE1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 576KB FLASH 100LQFP<br>In stock: 4929 pcs<br><b>RFQ</b>   |  <b>MB91F587LAPMC-GTK5E1</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br>In stock: 6205 pcs<br><b>RFQ</b>   |

