



Cypress Semiconductor

### MB91F594BSPMC-GSK5E2

|                      |                                |
|----------------------|--------------------------------|
| Part Number:         | MB91F594BSPMC-GSK5E2           |
| Manufacturer/Brand:  | Cypress Semiconductor          |
| Product description: | IC MCU 32BIT 1MB FLASH 208LQFP |
| Datasheets:          |                                |
| RoHs Status:         | Lead free / RoHS Compliant     |
| Stock Condition:     | 5777 pcs stock                 |
| Ship From:           | Hong Kong                      |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS          |

**REQUEST FOR QUOTATION**

Image may be representation. See specifications for product details.

#### Specifications of MB91F594BSPMC-GSK5E2

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | MB91F594BSPMC-GSK5E2   |
| MANUFACTURER                     | Cypress Semiconductor  |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 208LQFP   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| QUANTITY AVAILABLE               | 5777 pcs   |
| DATA SHEET                       |  |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V  |
| SUPPLIER DEVICE PACKAGE          | 208-LQFP (28x28)   |
| SPEED                            | 80MHz  |
| SERIES                           | FR MB91590   |
| RAM SIZE                         | 872K x 8   |
| PROGRAM MEMORY TYPE              | FLASH  |
| PROGRAM MEMORY SIZE              | 1.0625MB (1.0625M x 8)   |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT  |
| PACKAGING                        | Tray   |
| PACKAGE / CASE                   | 208-LQFP   |
| OTHER NAMES                      | CY91F594BSPMC-GSE2<br>MB91F594BSPMC-GSE2<br>MB91F594BSPMC-GSE2-ND                              |
| OSCILLATOR TYPE                  | External   |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)   |
| NUMBER OF I/O                    | 156  |
| 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 MB91590 Microcontroller IC 32-Bit 80MHz 1.0625MB (1.0625M x 8) FLASH 208-LQFP (28x28) |
| DATA CONVERTERS                  | A/D 32x8/10b   |
| CORE SIZE                        | 32-Bit   |
| CORE PROCESSOR                   | FR81S  |
| CONNECTIVITY                     | CANbus, CSIO, EBI/EMI, LINbus, UART/USART  |

#### Related Tags

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|--|---|--|
| Cypress Semiconductor MB91F594BSPMC-GSK5E2 | MB91F594BSPMC-GSK5E2 Distributor                | MB91F594BSPMC-GSK5E2 Supplier                  |
| MB91F594BSPMC-GSK5E2 Price                 | MB91F594BSPMC-GSK5E2 Pictures                   | MB91F594BSPMC-GSK5E2 Image                     |
| MB91F594BSPMC-GSK5E2 PDF Datasheet         | MB91F594BSPMC-GSK5E2 Download Datasheet         | MB91F594BSPMC-GSK5E2 Datasheet                 |
| MB91F594BSPMC-GSK5E2 Stock                 | Buy MB91F594BSPMC-GSK5E2                        | Buy Cypress Semiconductor MB91F594BSPMC-GSK5E2 |
| Cypress Semiconductor MB91F594BSPMC-GSK5E2 | Cypress Semiconductor Supplier                  | Cypress Semiconductor Distributor              |
| Cypress Semiconductor MB91F594BSPMC-GSK5E2 | Cypress Semiconductor Corp MB91F594BSPMC-GSK5E2 |  |

#### Related Products

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|---|--|
| <p><b>MB91F594BHPMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 3820 pcs<br/><b>RFQ</b></p>     | <p><b>MB91F594BHSPMC-GSK5E2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 7078 pcs<br/><b>RFQ</b></p> |
| <p><b>MB91F599APMC-GSK5E2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 3921 pcs<br/><b>RFQ</b></p>      | <p><b>MB91F59BCEQ-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 2MB FLASH 208POS<br/>In stock: 3248 pcs<br/><b>RFQ</b></p>     |
| <p><b>MB91F594BHSPMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 5214 pcs<br/><b>RFQ</b></p>    | <p><b>MB91F594BSPMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 4459 pcs<br/><b>RFQ</b></p>  |
| <p><b>MB91F639PMC-G-K7E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MICROCONTROLLER<br/>In stock: 4652 pcs<br/><b>RFQ</b></p>                   | <p><b>MB91F627PMC-G-N9E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 120LQFP<br/>In stock: 5814 pcs<br/><b>RFQ</b></p>  |
| <p><b>MB91F594BHSPMC-GS-ALK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 7118 pcs<br/><b>RFQ</b></p> | <p><b>MB91F594BPMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 5722 pcs<br/><b>RFQ</b></p>   |
| <p><b>MB91F59BCPB-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 2MB FLASH 320BGA<br/>In stock: 2525 pcs<br/><b>RFQ</b></p>        | <p><b>MB91F59BCHSEQ-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MICROCONTROLLER<br/>In stock: 6652 pcs<br/><b>RFQ</b></p>              |

