



MB91F594BHPMC-GSK5E1

|                     |                                |
|---------------------|--------------------------------|
| Part Number:        | MB91F594BHPMC-GSK5E1           |
| Manufacturer/Brand: | Cypress Semiconductor          |
| Product description | IC MCU 32BIT 1MB FLASH 208LQFP |
| Datasheets:         | MB91F594BHPMC-GSK5E1.pdf       |
| RoHs Status         | Lead free / RoHS Compliant     |
| Ship From           | Hong Kong                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS          |

REQUEST FOR QUOTATION

Specifications of MB91F594BHPMC-GSK5E1

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB91F594BHPMC-GSK5E1                                                                           |
| MANUFACTURER                     | Cypress Semiconductor                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 208LQFP                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                     |
| DATA SHEET                       | MB91F594BHPMC-GSK5E1.pdf                                                                       |
| 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                      | CY91F594BHPMC-GSE1<br>MB91F594BHPMC-GSE1<br>MB91F594BHPMC-GSE1-ND                              |
| OSCILLATOR TYPE                  | External                                                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                             |
| NUMBER OF I/O                    | 156                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                  |
| MANUFACTURER STANDARD LEAD TIME  | 17 Weeks                                                                                       |
| 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

|                                            |                                                 |                                                |
|--------------------------------------------|-------------------------------------------------|------------------------------------------------|
| Cypress Semiconductor MB91F594BHPMC-GSK5E1 | MB91F594BHPMC-GSK5E1 Distributor                | MB91F594BHPMC-GSK5E1 Supplier                  |
| MB91F594BHPMC-GSK5E1 Price                 | MB91F594BHPMC-GSK5E1 Pictures                   | MB91F594BHPMC-GSK5E1 Image                     |
| MB91F594BHPMC-GSK5E1 PDF Datasheet         | MB91F594BHPMC-GSK5E1 Download Datasheet         | MB91F594BHPMC-GSK5E1 Datasheet                 |
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| Cypress Semiconductor MB91F594BHPMC-GSK5E1 | Cypress Semiconductor Supplier                  | Cypress Semiconductor Distributor              |
| Cypress Semiconductor MB91F594BHPMC-GSK5E1 | Cypress Semiconductor Corp MB91F594BHPMC-GSK5E1 |                                                |

Related Products

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>MB91F592BSPMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 576KB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MB91F592BPMC-GSK5E2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 576KB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
| <div></div> <div><b>MB91F594BHSPMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   | <div></div> <div><b>MB91F594BHSPMC-GS-ALK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>MB91F592BHSPMC-GSK5E2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 576KB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>MB91F592BPMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 576KB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
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| <div></div> <div><b>MB91F594ASPMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    | <div></div> <div><b>MB91F594BSPMC-GSK5E2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>     |