

MB91F591BSPMC-GSK5E1





Part Number:

MB91F591BSPMC-GSK5E1

Manufacturer:

Cypress Semiconductor

Description:

IC MCU 32BIT 576KB FLASH 208LQFP

Data sheet:

 [MB91590 Series](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

Shipment Way:

DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |                                  |                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MB91F591BSPMC-GSK5E1                                                                     | Manufacturer                     | <a href="#">Cypress Semiconductor</a>       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 32BIT 576KB FLASH 208LQFP                                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5014 pcs                                                                                 | Data sheet                       | <a href="#">MB91590 Series</a>              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 208-LQFP (28x28)                                                                         | Speed                            | 80MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FR MB91590                                                                               | RAM Size                         | 308K x 8                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                                                    | Program Memory Size              | 576KB (576K x 8)                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DMA, LVD, POR, PWM, WDT                                                                  | Packaging                        | Tray                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 208-LQFP                                                                                 | Other Names                      | MB91F591BSPMC-GSE1<br>MB91F591BSPMC-GSE1-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 576KB (576K 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                                                |                                  |                                             |
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|  | Part#: <a href="#">MB91F587LCPMC-GTK5E1</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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