

MB91F577BPMC-GSK5E2



Part Number: [MB91F577BPMC-GSK5E2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 1MB FLASH 144LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

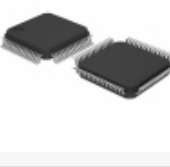
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                  |                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MB91F577BPMC-GSK5E2                       | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 32BIT 1MB FLASH 144LQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7368 pcs                                  | Data sheet                       |                                                                                                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 5.5 V                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 144-LQFP (20x20)                          | Speed                            | 80MHz                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FR MB91570                                | RAM Size                         | 72K x 8                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                     | Program Memory Size              | 1.0625MB (1.0625M x 8)                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DMA, LCD, LVD, POR, PWM, WDT              | Packaging                        | Tray                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 144-LQFP                                  | Other Names                      | CY91F577BPMC-GSE2<br>MB91F577BPMC-GSE2<br>MB91F577BPMC-GSE2-ND                                 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                            | External                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 111                                       | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                            | 30 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                     |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64K x 8                                   | Detailed Description             | FR81S FR MB91570 Microcontroller IC 32-Bit 80MHz 1.0625MB (1.0625M x 8) FLASH 144-LQFP (20x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 40x8/10b, D/A 2x8b                    | Core Size                        | 32-Bit                                                                                         |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FR81S                                     | Connectivity                     | CANbus, CSIO, EBI/EMI, I <sup>2</sup> C, LINbus, SPI, UART/USART                               |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                      |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB91F573BPMC-GSK5E2</a><br>Description: IC MCU FLASH MICOM-0.09 144LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F575BHPMC-GSK5E2</a><br>Description: IC MCU 32BIT 576KB FLASH 144LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F579CHSPMC-GSK5E1</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F585LBPMC-GTK5E1</a><br>Description: IC MCU 32BIT 576KB FLASH 144LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F585AMGPMC-GTE1</a><br>Description: IC MCU 32BIT 576KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F585LCPMC-GTK5E1</a><br>Description: IC MCU 32BIT 576KB FLASH 144LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F585AMHPMC-GTE1</a><br>Description: IC MCU 32BIT 576KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F585LAPMC-GTK5E1</a><br>Description: IC MCU 32BIT 576KB FLASH 144LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F575BSPMC-GSK5E1</a><br>Description: IC MCU 32BIT 576KB FLASH 144LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F579CHSPMC1-GSE1</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F573BHPMC-GSK5E2</a><br>Description: IC MCU FLASH MICOM-0.09 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F585ASHPMC1-GTE1</a><br>Description: IC MCU 32BIT 576KB FLASH 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F577BHPMC-GSK5E2</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F577BHPMC-GSK5E1</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F577BHPMC-GS-F4K5E1</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F575BPMC-GSK5E2</a><br>Description: IC MCU 32BIT 576KB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F579CMPMC-GSK5E2</a><br>Description: IC MCU 32BIT 2MB FLASH 208LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F577BHSPMC-GSK5E1</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F585ASGPMC1-GTE1</a><br>Description: IC MCU 32BIT 576KB FLASH 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F577BHSPMC1-GSE1</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

|                                                 |                                                |                              |                           |
|-------------------------------------------------|------------------------------------------------|------------------------------|---------------------------|
| Related keywords for <b>MB91F577BPMC-GSK5E2</b> |                                                |                              |                           |
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