



Cypress Semiconductor



### MB91F223SPFV-GS-SPK5E1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB91F223SPFV-GS-SPK5E1                                                                                       |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 8902 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

#### Specifications of MB91F223SPFV-GS-SPK5E1

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB91F223SPFV-GS-SPK5E1                                                                           |
| MANUFACTURER                     | Cypress Semiconductor                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                       |
| QUANTITY AVAILABLE               | 8902 pcs                                                                                         |
| DATA SHEET                       |                                                                                                  |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3.5 V ~ 5.5 V                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                 |
| SPEED                            | 32MHz                                                                                            |
| SERIES                           | FR MB91220                                                                                       |
| RAM SIZE                         | 16K x 8                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                            |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                 |
| PERIPHERALS                      | DMA, LCD, PWM, WDT                                                                               |
| PACKAGING                        | Tray                                                                                             |
| PACKAGE / CASE                   | 144-LQFP                                                                                         |
| OTHER NAMES                      | CY91F223SPFV-GS-SPE1<br>MB91F223SPFV-GS-SPE1<br>MB91F223SPFV-GS-SPE1-ND                          |
| OSCILLATOR TYPE                  | External                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                               |
| NUMBER OF I/O                    | 122                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                       |
| EEPROM SIZE                      | -                                                                                                |
| DETAILED DESCRIPTION             | FR60Lite RISC FR MB91220 Microcontroller IC 32-Bit 32MHz 512KB (512K x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 24x8/10b, D/A 2x8b                                                                           |
| CORE SIZE                        | 32-Bit                                                                                           |
| CORE PROCESSOR                   | FR60Lite RISC                                                                                    |
| CONNECTIVITY                     | CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, UART/USART                                            |

#### Related Tags

|                                              |                                                   |                                                  |
|----------------------------------------------|---------------------------------------------------|--------------------------------------------------|
| Cypress Semiconductor MB91F223SPFV-GS-SPK5E1 | MB91F223SPFV-GS-SPK5E1 Distributor                | MB91F223SPFV-GS-SPK5E1 Supplier                  |
| MB91F223SPFV-GS-SPK5E1 Price                 | MB91F223SPFV-GS-SPK5E1 Pictures                   | MB91F223SPFV-GS-SPK5E1 Image                     |
| MB91F223SPFV-GS-SPK5E1 PDF Datasheet         | MB91F223SPFV-GS-SPK5E1 Download Datasheet         | MB91F223SPFV-GS-SPK5E1 Datasheet                 |
| MB91F223SPFV-GS-SPK5E1 Stock                 | Buy MB91F223SPFV-GS-SPK5E1                        | Buy Cypress Semiconductor MB91F223SPFV-GS-SPK5E1 |
| Cypress Semiconductor MB91F223SPFV-GS-SPK5E1 | Cypress Semiconductor Supplier                    | Cypress Semiconductor Distributor                |
| Cypress Semiconductor MB91F223SPFV-GS-SPK5E1 | Cypress Semiconductor Corp MB91F223SPFV-GS-SPK5E1 |                                                  |

#### Related Products

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| <div></div> <div><b>MB91F211BPMC-GSE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 100LQFP<br/>In stock: 11775 pcs</div> <div>RFQ</div>    | <div></div> <div><b>MB91F224SPFV-GS-SPK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 7391 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>MB91F223PFV-GS-SPK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 5749 pcs</div> <div>RFQ</div> | <div></div> <div><b>MB91F218SPMC-GTK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 144LQFP<br/>In stock: 5360 pcs</div> <div>RFQ</div>    |
| <div></div> <div><b>MB91F213APMC-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 144LQFP<br/>In stock: 10166 pcs</div> <div>RFQ</div>  | <div></div> <div><b>MB91F224PFV-GS-SPK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 5399 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>MB91F223SPFV-GSE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 5018 pcs</div> <div>RFQ</div>     | <div></div> <div><b>MB91F224PFV-GSK5E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 3756 pcs</div> <div>RFQ</div>     |
| <div></div> <div><b>MB91F224PFV-GSE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 3319 pcs</div> <div>RFQ</div>      | <div></div> <div><b>MB91F223PFV-GSE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 5892 pcs</div> <div>RFQ</div>       |
| <div></div> <div><b>MB91F224SPFV-GSE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 5483 pcs</div> <div>RFQ</div>     | <div></div> <div><b>MB91F211BPMC-GS-N2E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 100LQFP<br/>In stock: 4171 pcs</div> <div>RFQ</div>   |