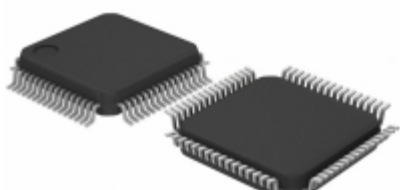


MB91F522BSBPMC1-GS-F4E1





Part Number:

MB91F522BSBPMC1-GS-F4E1

Manufacturer:

Cypress Semiconductor

Description:

IC MCU 32BIT 320KB FLASH 64LQFP

Data sheet:

 [CY91520 Series](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

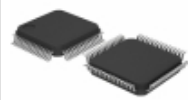
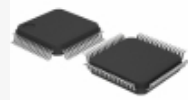
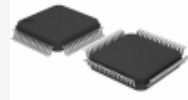
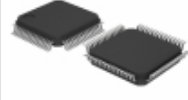
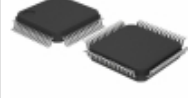
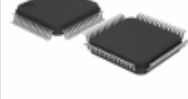
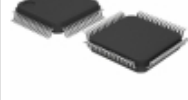
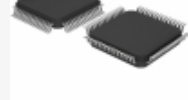
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                |                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MB91F522BSBPMC1-GS-F4E1                   | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 32BIT 320KB FLASH 64LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3735 pcs                                  | Data sheet                     | <a href="#">CY91520 Series</a>                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 64-LQFP (10x10)                           | Speed                          | 80MHz                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FR MB91520                                | RAM Size                       | 56K x 8                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                     | Program Memory Size            | 320KB (320K x 8)                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-LQFP                                   | Oscillator Type                | External                                                                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 105°C (TA)                        | Number of I/O                  | 44                                                                                      |
| 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 MB91520 Microcontroller IC 32-Bit 80MHz 320KB (320K x 8) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A/D 26x12b, D/A 1x8b                      | Core Size                      | 32-Bit                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FR81S                                     | Connectivity                   | CANbus, CSIO, I <sup>2</sup> C, LINbus, SPI, UART/USART                                 |
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| RELATED PRODUCTS                                                                   |                                                                                                 |                                                      |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB91F522BSDPMC1-GSE1</a><br>Description: IC MICROCONTROLLER                  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F482PMC-G-N2E1</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F492PMC-GE1</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522BSCPMC1-GTE1</a><br>Description: IC MCU 32BIT 320KB FLASH 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F479TPMC1-G-N9-YE1</a><br>Description: IC MICROCONTROLLER                | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522BSCPMC1-GSE1</a><br>Description: IC MCU 32BIT 320KB FLASH 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522DSBPMC-GSE2</a><br>Description: IC MCU 32BIT 320KB FLASH 80LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F487PMC-GE1</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP         | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522BSCPMC1-GSE2</a><br>Description: IC MCU 32BIT 320KB FLASH 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F482PMC-G-N9E1</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522BSCPMC1GS101ERE2</a><br>Description: IC MCU 32BIT 320KB FLASH 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F482PMC-G-N9-YE1</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522BWEPMC1-GSE2</a><br>Description: IC MICROCONTROLLER                  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F479PMC1-GE1</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522BSBPMC1-GSE1</a><br>Description: IC MCU 32BIT 320KB FLASH 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F487PMC-G-N2E1</a><br>Description: IC MCU 32BIT 512KB FLASH              | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522BHBPMC1-GS-F4E1</a><br>Description: IC MCU 32BIT 320KB FLASH 64LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F482PMC-GE1</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP         | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522DSBPMC-GSE1</a><br>Description: IC MCU 32BIT 320KB FLASH 80LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91F522BSBPMC1-GTE1</a><br>Description: IC MCU 32BIT 320KB FLASH 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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