

MB91213APMC-GS-127K5E1



Part Number: [MB91213APMC-GS-127K5E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 544KB MROM 144LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                     |                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MB91213APMC-GS-127K5E1                                                                              | Manufacturer <a href="#">Cypress Semiconductor</a>         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 32BIT 544KB MROM 144LQFP                                                                     | Lead Free Status / RoHS StatusLead free / RoHS Compliant   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13094 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)                                                                                    | Speed40MHz                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FR MB91210                                                                                          | RAM Size24K x 8                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mask ROM                                                                                            | Program Memory Size544KB (544K x 8)                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DMA, WDT                                                                                            | PackagingTray                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 144-LQFP                                                                                            | Other NamesMB91213APMC-GS-127E1<br>MB91213APMC-GS-127E1-ND |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | External                                                                                            | Operating Temperature-40°C ~ 105°C (TA)                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 118                                                                                                 | Moisture Sensitivity Level (MSL)3 (168 Hours)              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                                          | EEPROM Size-                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FR60Lite RISC FR MB91210 Microcontroller IC 32-Bit 40MHz 544KB (544K x 8) Mask ROM 144-LQFP (20x20) | Data ConvertersA/D 32x10b                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 32-Bit                                                                                              | Core ProcessorFR60Lite RISC                                |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CANbus, LINbus, SPI, UART/USART                                                                     |                                                            |
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|  | Part#: <a href="#">MB91213APMC-GS-123K5E1</a><br>Description: IC MCU 32BIT 544KB MROM 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a><br><div>RFQ</div> |
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