

MB91248ZPFV-GS-165E1



**Part Number:** MB91248ZPFV-GS-165E1

**Manufacturer:** Cypress Semiconductor

**Description:** IC MCU 32BIT 256KB MROM 144LQFP

**Data sheet:**

**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                                                                                                                                                                                                                                                                                                                                                                                                                  | MB91248ZPFV-GS-165E1            | Manufacturer                   | Cypress Semiconductor                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 256KB MROM 144LQFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 4170 pcs                        | Data sheet                     |                                                                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | Integrated Circuits (ICs)       | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 144-LQFP (20x20)                | Speed                          | 32MHz                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | FR MB91245                      | RAM Size                       | 16K x 8                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | Mask ROM                        | Program Memory Size            | 256KB (256K x 8)                                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | DMA, LCD, PWM, WDT              | Packaging                      | Tray                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 144-LQFP                        | Oscillator Type                | External                                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 105°C (TA)              | Number of I/O                  | 120                                                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                  | -                               | Detailed Description           | FR60Lite RISC FR MB91245 Microcontroller IC 32-Bit 32MHz 256KB (256K x 8) Mask ROM 144-LQFP (20x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 32x8/10b                    | Core Size                      | 32-Bit                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | FR60Lite RISC                   | Connectivity                   | CANbus, EBI/EMI, LINbus, UART/USART                                                                 |
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|  | Part#: MB91248ZPFV-GS-156K5E1<br>Description: IC MCU 32BIT 256KB MROM 144LQFP | Manufacturers: Cypress Semiconductor | RFQ |
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