

MB91248SZPFV-GS-547K5E1



Part Number: [MB91248SZPFV-GS-547K5E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 256KB MROM 144LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                      |                                  |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MB91248SZPFV-GS-547K5E1                                                                              | Manufacturer                     | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 32BIT 256KB MROM 144LQFP                                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5414 pcs                                                                                             | Data sheet                       |                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                            | Voltage - Supply (Vcc/Vdd)       | 3.5 V ~ 5.5 V                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 144-LQFP (20x20)                                                                                     | Speed                            | 32MHz                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FR MB91245S                                                                                          | 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                                                                                             | Other Names                      | CY91248SZPFV-GS-547E1                 |
| 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 MB91245S 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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