

MB91248SZPFV-GS-547E1



Part Number: [MB91248SZPFV-GS-547E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 256KB MROM 144LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

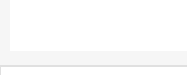
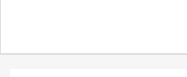
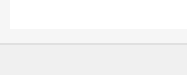
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                |                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MB91248SZPFV-GS-547E1                     | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 256KB MROM 144LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4475 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                                  | 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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| RELATED PRODUCTS                                                                   |                                                                                                |                                                      |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
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|  | Part#: <a href="#">MB91248SZPFV-GS-539E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91248SZPFV-GS-538K5E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91248SZPFV-GS-548E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB91248SZPFV-GS-550E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91248SZPFV-GS-537K5E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91248SZPFV-GS-542K5E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91248ZPFV-GS-118E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB91248SZPFV-GS-551K5E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB91248SZPFV-GS-536K5E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91248SZPFV-GS-541K5E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB91248SZPFV-GS-549K5E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB91248ZPFV-GS-118K5E1</a><br>Description: IC MCU 32BIT 256KB MROM 144LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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