

MB90347ESPFV-GS-254E1



**Part Number:** MB90347ESPFV-GS-254E1

**Manufacturer:** Cypress Semiconductor

**Description:** IC MCU 16BIT 128KB MROM 100LQFP

**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                                                                                                                                                                                                                                                                                                                                                                                                                   | MB90347ESPFV-GS-254E1           | Manufacturer                   | Cypress Semiconductor                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 128KB MROM 100LQFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 6410 pcs                        | Data sheet                     |                                                                                                                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | Integrated Circuits (ICs)       | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 100-LQFP (14x14)                | Speed                          | 24MHz                                                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | F <sup>2</sup> MC-16LX MB90340E | RAM Size                       | 6K x 8                                                                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | Mask ROM                        | Program Memory Size            | 128KB (128K x 8)                                                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | DMA, POR, WDT                   | Packaging                      | Tray                                                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                | 100-LQFP                        | Oscillator Type                | External                                                                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 105°C (TA)              | Number of I/O                  | 82                                                                                                                                |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                   | -                               | Detailed Description           | F <sup>2</sup> MC-16LX F <sup>2</sup> MC-16LX MB90340E Microcontroller IC 16-Bit 24MHz 128KB (128K x 8) Mask ROM 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 16x8/10b                    | Core Size                      | 16-Bit                                                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                | F <sup>2</sup> MC-16LX          | Connectivity                   | CANbus, EBI/EMI, LINbus, SCI, UART/USART                                                                                          |
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