

MB90F347ASPMC-GS-SPE2



**Part Number:** [MB90F347ASPMC-GS-SPE2](#)

**Manufacturer:** [Cypress Semiconductor](#)

**Description:** IC MCU 16BIT 128KB FLASH 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MB90F347ASPMC-GS-SPE2                     | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 128KB FLASH 100LQFP          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5031 pcs                                  | Data sheet                     |                                                                                                                               |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | 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 MB90340            | RAM Size                       | 6K x 8                                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                     | 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 MB90340 Microcontroller IC 16-Bit 24MHz 128KB (128K x 8) FLASH 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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