

MB90F352SPFM-GS-114E1



Part Number:

MB90F352SPFM-GS-114E1

Manufacturer:

Cypress Semiconductor

Description:

IC MCU 16BIT 128KB FLASH 64LQFP

Data sheet:

 MB90350 Series

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                                                                                                                                                                                                                                                                                                                                                                                                                   | MB90F352SPFM-GS-114E1           | Manufacturer                   | Cypress Semiconductor                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 128KB FLASH 64LQFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 4683 pcs                        | Data sheet                     | MB90350 Series                                                                                                               |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | Integrated Circuits (ICs)       | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 64-LQFP (12x12)                 | Speed                          | 24MHz                                                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | F <sup>2</sup> MC-16LX MB90350  | RAM Size                       | 4K x 8                                                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                           | Program Memory Size            | 128KB (128K x 8)                                                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | DMA, LVD, POR, WDT              | Packaging                      | Tray                                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                | 64-LQFP                         | Oscillator Type                | Internal                                                                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 105°C (TA)              | Number of I/O                  | 51                                                                                                                           |
| 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 MB90350 Microcontroller IC 16-Bit 24MHz 128KB (128K x 8) FLASH 64-LQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 15x8/10b                    | Core Size                      | 16-Bit                                                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                | F <sup>2</sup> MC-16LX          | Connectivity                   | CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, UART/USART                                                                        |
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