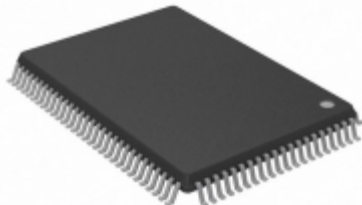


MB90F949APFR-GS



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [MB90F949APFR-GS](#)

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

**Description:** IC MCU 16BIT 256KB FLASH 100QFP

**Data sheet:**

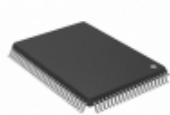
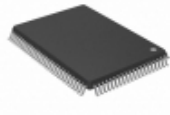
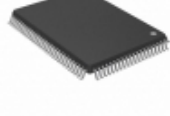
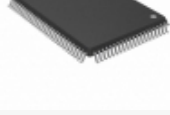
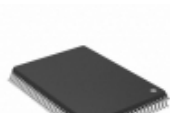
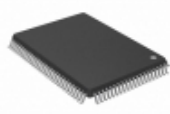
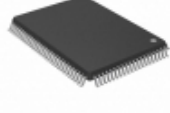
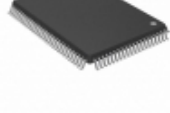
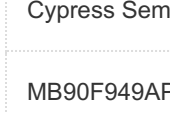
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MB90F949APFR-GS                           | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 16BIT 256KB FLASH 100QFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4226 pcs                                  | Data sheet                     |                                                                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100-PQFP (20x14)                          | Speed                          | 24MHz                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | F*MC-16LX MB90945                         | RAM Size                       | 12K x 8                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size            | 256KB (256K x 8)                                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                            | POR, PWM, WDT                             | Packaging                      | Tray                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100-BQFP                                  | Oscillator Type                | External                                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 85°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*MC-16LX F*MC-16LX MB90945 Microcontroller IC 16-Bit 24MHz 256KB (256K x 8) FLASH 100-PQFP (20x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 15x8/10b                              | Core Size                      | 16-Bit                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                         | F*MC-16LX                                 | Connectivity                   | CANbus, I <sup>2</sup> C, LINbus, SCI, Serial I/O, UART/USART                                       |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Cypress Semiconductor series electronic components. We have 4226 pieces of Cypress Semiconductor MB90F949APFR-GS in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                |                                                                                                     |

| RELATED PRODUCTS                                                                   |                                                                                               |                                                      |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MB90F949PFR-GS</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP         | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F949APFR-GS-SPE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947APQCR-C0054ER</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F949APQC-GS-SPERE2</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947PFR-GS</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP         | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947PFR-GSE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947PQC-GSE2</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947APFR-GS-ER</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F962PMCR-GE1</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947APFR-GS-SP</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F952JDSPMC-GSE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F952MDSPMC-GE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F949APQC-GS-SPE2</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F952MDSPMC-GSE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F949APF-GS-ER</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947APQCR-GS-SPE2</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947APQCR-C0048ER</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F949APFR-GS-SP</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F949APFR-GS-ER</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F947APQCR-C0024ER</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |

|                                             |                                            |                          |                       |
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| Related keywords for <b>MB90F949APFR-GS</b> |                                            |                          |                       |
| Cypress Semiconductor MB90F949APFR-GS       | MB90F949APFR-GS distributor                | MB90F949APFR-GS supplier | MB90F949APFR-GS price |
| MB90F949APFR-GS download datasheet          | MB90F949APFR-GS datasheet                  | MB90F949APFR-GS stock    | buy MB90F949APFR-GS   |
| Cypress Semiconductor MB90F949APFR-GS       | Cypress Semiconductor Corp MB90F949APFR-GS |                          |                       |