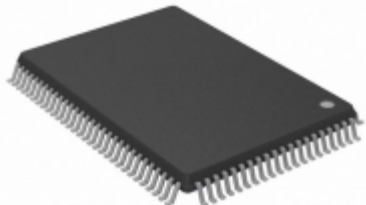


MB90947APFR-GS-102



Images are for reference only.  
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Part Number: MB90947APFR-GS-102

Manufacturer: Cypress Semiconductor

Description: IC MCU 16BIT 128KB MROM 100QFP

Data sheet:

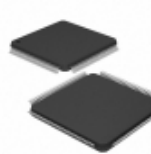
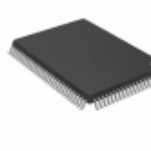
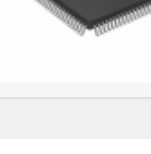
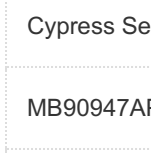
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                |                                |                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MB90947APFR-GS-102             | Manufacturer                   | Cypress Semiconductor                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 128KB MROM 100QFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 11820 pcs                      | Data sheet                     |                                                                                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | Integrated Circuits (ICs)      | 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                       | 6K x 8                                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | Mask ROM                       | Program Memory Size            | 128KB (128K 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 128KB (128K x 8) Mask ROM 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                                          |
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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------|----------------|
|  | Part#: MB90931PMC-GS-131E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90947APFR-GS-102E1<br>Description: IC MCU 16BIT 128KB MROM 100QFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90F020CPMT-GS<br>Description: IC MCU MICOM FLASH 120LQFP             | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90931PMC-GS-132E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90F020CPMT-GE1<br>Description: IC MCU MICOM FLASH 120LQFP            | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90F020CPMT-GS-9006<br>Description: IC MCU MICOM FLASH 120LQFP        | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90F020CPMT-GS-9010<br>Description: IC MCU MICOM FLASH 120LQFP        | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90931PMC-GS-122E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90931PMC-GS-112E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90931PMC-GS-134E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90931PMC-GS-123E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90931PMC-GS-126E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90931PMC-GS-128E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90931PMC-GS-133E1<br>Description: IC MCU 16BIT 128KB MROM 120LQFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90F020CPMT-G<br>Description: IC MCU MICOM FLASH 120LQFP              | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90947APQC-GS-107-ERE2<br>Description: IC MCU 16BIT 128KB MROM 100QFP | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90947APF-GS-110-ERE1<br>Description: IC MCU 16BIT 128KB MROM 100QFP  | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90947APQCR-GS-105E2<br>Description: IC MCU 16BIT 128KB MROM 100QFP   | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90F020CPMT-GS-9011<br>Description: IC MCU MICOM FLASH 120LQFP        | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |
|  | Part#: MB90947APQC-GS-109E2<br>Description: IC MCU 16BIT 128KB MROM 100QFP    | Manufacturers: Cypress Semiconductor | <div>RFQ</div> |

|                                          |                                               |                             |                          |
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