

MB90F962SPMCR-GSE1





Part Number:

MB90F962SPMCR-GSE1

Manufacturer:

Cypress Semiconductor

Description:

IC MCU 16BIT 64KB FLASH 48LQFP

Data sheet:

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

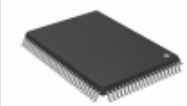
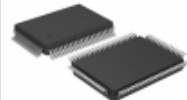
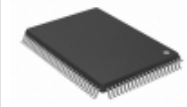
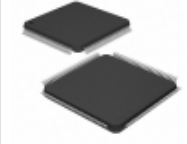
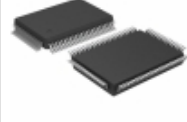
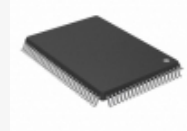
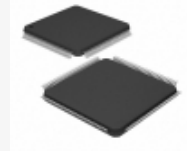
Shipment Way:

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                |                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                | MB90F962SPMCR-GSE1             | Manufacturer                   | Cypress Semiconductor                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 16BIT 64KB FLASH 48LQFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                         | 4923 pcs                       | Data sheet                     |                                                                                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                   | Integrated Circuits (ICs)      | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                    | 48-LQFP (7x7)                  | Speed                          | 24MHz                                                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                     | F <sup>2</sup> MC-16LX MB90960 | RAM Size                       | 3K x 8                                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                          | Program Memory Size            | 64KB (64K x 8)                                                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                | POR, WDT                       | Packaging                      | Tray                                                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                             | 48-LQFP                        | Oscillator Type                | External                                                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 105°C (TA)             | Number of I/O                  | 36                                                                                                                       |
| 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 MB90960 Microcontroller IC 16-Bit 24MHz 64KB (64K x 8) FLASH 48-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 16x8/10b                   | Core Size                      | 16-Bit                                                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                             | F <sup>2</sup> MC-16LX         | Connectivity                   | LINbus, UART/USART                                                                                                       |
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|  | Part#: <a href="#">MB90P214BPF-GT-5034E1</a><br>Description: IC MCU 16BIT 64KB OTP 80QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F952MDSPMC-GSE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F962PMCR-GE1</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F962SPMCR-GE1</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F949APQC-GS-SPERE2</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F962SPMCR-GS-ERE1</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90P224BPF-G</a><br>Description: IC MCU 16BIT 96KB OTP 120QFP             | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F997MASPMC-GSE1</a><br>Description: IC MCU 16BIT 160KB FLASH 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90P214BPF-G</a><br>Description: IC MCU 16BIT 64KB OTP 80QFP              | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F949APFR-GS-SPE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F997JBSPMC-GSE1</a><br>Description: IC MCU 16BIT 160KB FLASH 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F952JDSPMC-GSE1</a><br>Description: IC MCU 16BIT 256KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F962SPMT-GS-ERE1</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90P224BPF-GT-5150</a><br>Description: IC MCU 16BIT 96KB OTP 120QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90P224BPF-GT-5178</a><br>Description: IC MCU 16BIT 96KB OTP 120QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F997JASPMC-GSE1</a><br>Description: IC MCU 16BIT 160KB FLASH 48LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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