

MB90F455SPMT-GS-BI24



Part Number:

MB90F455SPMT-GS-BI24

Manufacturer:

Cypress Semiconductor

Description:

IC MCU 16BIT 24KB FLASH 48LQFP

Data sheet:

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

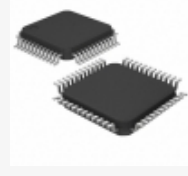
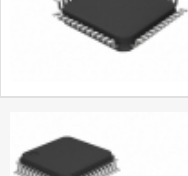
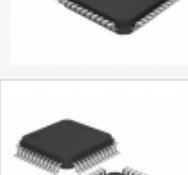
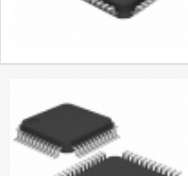
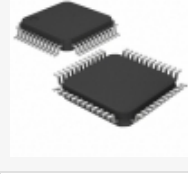
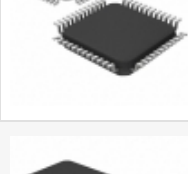
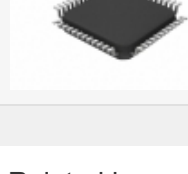
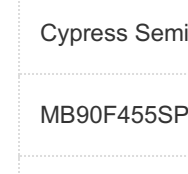
Shipment Way:

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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                |                                |                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MB90F455SPMT-GS-BI24           | Manufacturer                   | Cypress Semiconductor                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 24KB FLASH 48LQFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 4757 pcs                       | Data sheet                     |                                                                                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | Integrated Circuits (ICs)      | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 48-LQFP (7x7)                  | Speed                          | 16MHz                                                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | F <sup>2</sup> MC-16LX MB90455 | RAM Size                       | 2K x 8                                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                          | Program Memory Size            | 24KB (24K 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                  | 34                                                                                                                       |
| 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 MB90455 Microcontroller IC 16-Bit 16MHz 24KB (24K x 8) FLASH 48-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 8x8/10b                    | Core Size                      | 16-Bit                                                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | F <sup>2</sup> MC-16LX         | Connectivity                   | UART/USART                                                                                                               |
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|  | Part#: <a href="#">MB90F455PMCR-G</a><br>Description: IC MCU 16BIT 24KB FLASH 48LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456SPMT-GS-BIE1</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456PMCR-GE2</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456PMCR-G-JNE2</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456PMCR-G-JNE1</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F443GPF-GE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456PMT-GE1</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456PMT-G</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP         | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F455SPMT-GS</a><br>Description: IC MCU 16BIT 24KB FLASH 48LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456SPMT-GE1</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F455SPMT-G-JNE1</a><br>Description: IC MCU 16BIT 24KB FLASH 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F455SPMT-G-JN-YE1</a><br>Description: IC MCU 16BIT 24KB FLASH 48LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F443GPFR-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F455PMCR-GE1</a><br>Description: IC MCU 16BIT 24KB FLASH 48LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F443GPF-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456SPMCR-GE1</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F455PMCR-G-JNE1</a><br>Description: IC MCU 16BIT 24KB FLASH 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F443GPF-GS</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F456SPMCR-G</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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