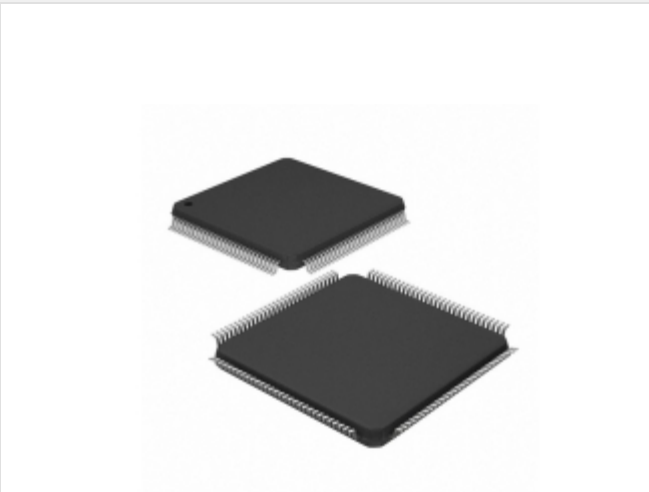


MB90922NCSPMC-GS-224E1





Part Number:

MB90922NCSPMC-GS-224E1

Manufacturer:

Cypress Semiconductor

Description:

IC MCU 16BIT 256KB MROM 120LQFP

Data sheet:

 [MB90920 Series](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

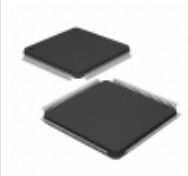
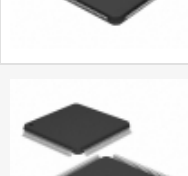
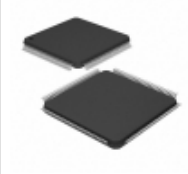
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                |                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MB90922NCSPMC-GS-224E1                    | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 256KB MROM 120LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5047 pcs                                  | Data sheet                     | <a href="#">MB90920 Series</a>                                                                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4 V ~ 5.5 V                                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 120-LQFP (16x16)                          | Speed                          | 32MHz                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | F*MC-16LX MB90920                         | RAM Size                       | 10K x 8                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Mask ROM                                  | Program Memory Size            | 256KB (256K x 8)                                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LCD, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 120-LQFP                                  | Oscillator Type                | External                                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 105°C (TA)                        | Number of I/O                  | 93                                                                                                     |
| 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 MB90920 Microcontroller IC 16-Bit 32MHz 256KB (256K x 8) Mask ROM 120-LQFP (16x16) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 8x8/10b                               | Core Size                      | 16-Bit                                                                                                 |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                | F*MC-16LX                                 | Connectivity                   | CANbus, LINbus, UART/USART                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                      |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB90922NCSPMC-GS-235E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-218E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-214E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-227E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-233E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-230E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-215E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-222E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-232E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-229E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-216E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-220E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-219E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-221E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-231E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-228E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-225E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90922NCSPMC-GS-217E1</a><br>Description: IC MCU 16BIT 256KB MROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|                                              |                                              |                                                   |                              |
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