

MB90427GAPF-G-188



Part Number: [MB90427GAPF-G-188](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 64KB MROM 100QFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

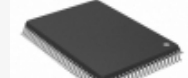
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                |                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MB90427GAPF-G-188                         | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 16BIT 64KB MROM 100QFP             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6119 pcs                                  | Data sheet                     |                                                                                                           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4.5 V ~ 5.5 V                                                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100-PQFP (20x14)                          | Speed                          | 16MHz                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | F*MC-16LX MB90425G (A)                    | RAM Size                       | 4K x 8                                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Mask ROM                                  | Program Memory Size            | 64KB (64K x 8)                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LCD, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100-BQFP                                  | Oscillator Type                | External                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 105°C (TA)                        | Number of I/O                  | 58                                                                                                        |
| 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 MB90425G (A) Microcontroller IC 16-Bit 16MHz 64KB (64K x 8) Mask ROM 100-PQFP (20x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 8x8/10b                               | Core Size                      | 16-Bit                                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                           | F*MC-16LX                                 | Connectivity                   | CANbus, UART/USART                                                                                        |
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|  | Part#: <a href="#">MB90423GAZPFV-GS-329E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-209E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-230E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAZPFV-GS-343E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAZPFV-GS-291E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-346E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAZPFV-GS-292E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAZPFV-GS-316E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-306E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-296E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-217E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAZPFV-GS-315E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAZPFV-GS-328E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAZPFV-GS-290E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-341E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAZPFV-GS-314E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-269E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-242E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GAPF-GS-192E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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