

MB90428GAEPMC-GS-176E1



Part Number: [MB90428GAEPMC-GS-176E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 128KB MROM 100LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

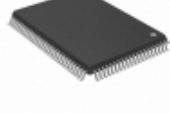
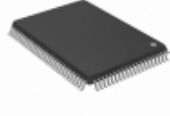
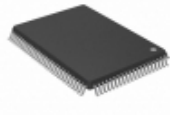
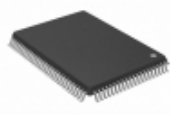
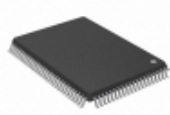
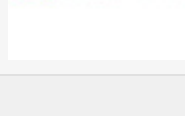
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                |                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MB90428GAEPMC-GS-176E1                    | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 128KB MROM 100LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5159 pcs                                  | Data sheet                     |                                                                                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4.5 V ~ 5.5 V                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100-LQFP (14x14)                          | Speed                          | 16MHz                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | F*MC-16LX MB90425G (A)                    | RAM Size                       | 6K x 8                                                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Mask ROM                                  | Program Memory Size            | 128KB (128K x 8)                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LCD, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100-LQFP                                  | 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 128KB (128K x 8) Mask ROM 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 8x8/10b                               | Core Size                      | 16-Bit                                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                | F*MC-16LX                                 | Connectivity                   | CANbus, UART/USART                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                      |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB90428GAVPF-G-322</a><br>Description: IC MCU 16BIT 128KB MROM 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPFV-GS-513E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPMC-GS-527E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPFV-GS-520E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPFV-GS-522E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAVPF-G-263</a><br>Description: IC MCU 16BIT 128KB MROM 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAPMC-GS-153-BND</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPPMC-GS-196E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPMC-GS-540E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAVPF-G-284</a><br>Description: IC MCU 16BIT 128KB MROM 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAVPF-GS-285</a><br>Description: IC MCU 16BIT 128KB MROM 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAVPF-GS-254</a><br>Description: IC MCU 16BIT 128KB MROM 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAVPF-G-318</a><br>Description: IC MCU 16BIT 128KB MROM 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPFV-GS-524E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAPMC-GS-170E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAPMC-GS-162</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90428GAPMC-GS-199E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPFV-GS-512E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPFV-GS-515E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90427GCPMC-GS-531E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

| Related keywords for MB90428GAEPMC-GS-176E1  |                                              |                                                   |                              |
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