

MB90F428GCPFR-G



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**Part Number:** [MB90F428GCPFR-G](#)

**Manufacturer:** [Cypress Semiconductor](#)

**Description:** IC MCU 16BIT 128KB FLASH 100QFP

**Data sheet:**

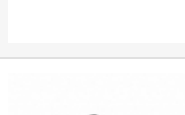
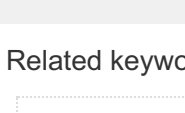
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MB90F428GCPFR-G                           | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 16BIT 128KB FLASH 100QFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3836 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                       | 6K x 8                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size            | 128KB (128K x 8)                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LCD, 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 128KB (128K x 8) FLASH 100-PQFP (20x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x8/10b                               | Core Size                      | 16-Bit                                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                         | F*MC-16LX                                 | Connectivity                   | CANbus, UART/USART                                                                                       |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Cypress Semiconductor series electronic components. We have 3836 pieces of Cypress Semiconductor MB90F428GCPFR-G in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                |                                                                                                          |

| RELATED PRODUCTS                                                                   |                                                                                              |                                                      |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MB90F428GBPF-GE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F438LPMC-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F428GCPMC3-GSE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F428GCPMC-GSE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MB90F428GCPMC-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F428GAPFV3-GSE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MB90F428GCZPFV-GSE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F428GAPMC-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MB90F428GAVPMC3-GSE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <a href="#">RFQ</a> |
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|---------------------------------------------|--------------------------------------------|--------------------------|-----------------------|
| Related keywords for <b>MB90F428GCPFR-G</b> |                                            |                          |                       |
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| Cypress Semiconductor MB90F428GCPFR-G       | Cypress Semiconductor Corp MB90F428GCPFR-G |                          |                       |