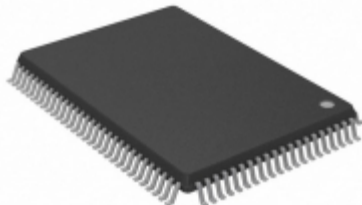


MB90F543GPF-GE1



Part Number: [MB90F543GPF-GE1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT

Data sheet:  [MB90540G,545G Series](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

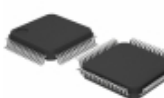
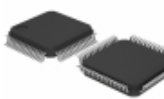
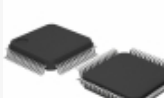
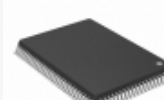
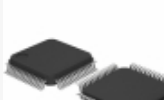
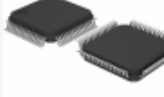
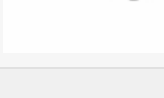
Shipment Way: DHL/Fedex/TNT/UPS/EMS

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

| PRODUCT PARAMETER               |                                           |                                  |                                                                                                                                |
|---------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Part Number                     | MB90F543GPF-GE1                           | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                                                          |
| Description                     | IC MCU 16BIT                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                     |
| Quantity Available              | 6037 pcs                                  | Data sheet                       | <a href="#">MB90540G,545G Series</a>                                                                                           |
| 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 <sup>2</sup> MC-16LX<br>MB90540G        | RAM Size                         | 6K x 8                                                                                                                         |
| Program Memory Type             | FLASH                                     | Program Memory Size              | 128KB (128K x 8)                                                                                                               |
| Peripherals                     | POR, WDT                                  | Packaging                        | Tray                                                                                                                           |
| Package / Case                  | 100-BQFP                                  | Other Names                      | 428-4330<br>CY90F543GPF-GE1                                                                                                    |
| Oscillator Type                 | External                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                                             |
| Number of I/O                   | 81                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                  |
| Manufacturer Standard Lead Time | 25 Weeks                                  | 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 MB90540G 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 <sup>2</sup> MC-16LX                    | Connectivity                     | CANbus, EBI/EMI, SCI, Serial I/O, UART/USART                                                                                   |

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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
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|  | Part#: <a href="#">MB90F543GPMC-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F498GPMC-G-TE2</a><br>Description: IC MCU 16BIT 128KB FLASH 64LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F498GPMC-G-T</a><br>Description: IC MCU 16BIT 128KB FLASH 64LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPFR-GE1</a><br>Description: IC MCU 16BIT                         | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPFV-G-FLE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPMC-GSE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GSPF-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPFR-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F498GPMC-G-FLE1</a><br>Description: IC MCU 16BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPF-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP         | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPMC-G-FLE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPFV-G</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F498GPFM-GE1</a><br>Description: IC MCU 16BIT 128KB FLASH 64LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90F498GPMC-G</a><br>Description: IC MCU 16BIT 128KB FLASH 64LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F498GZPF-G</a><br>Description: IC MCU 16BIT 128KB FLASH 64PQFN        | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPMC-GE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90F543GPF-G-FLE1</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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