



Image may be representation. See specifications for product details.

### MB90583CPF-G-144-BND

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB90583CPF-G-144-BND                                                                                         |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 16BIT 128KB MROM 100QFP                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6799 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

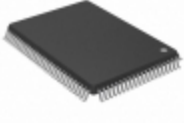
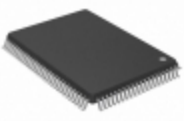
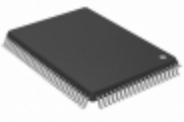
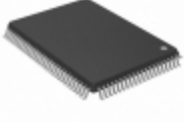
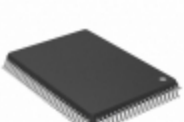
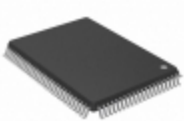
#### Specifications of MB90583CPF-G-144-BND

|                                  |                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB90583CPF-G-144-BND                                                                                                              |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                             |
| DESCRIPTION                      | IC MCU 16BIT 128KB MROM 100QFP                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                        |
| QUANTITY AVAILABLE               | 6799 pcs                                                                                                                          |
| DATA SHEET                       |                                                                                                                                   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 5.5 V                                                                                                                       |
| SUPPLIER DEVICE PACKAGE          | 100-PQFP (20x14)                                                                                                                  |
| SPEED                            | 16MHz                                                                                                                             |
| SERIES                           | F <sup>2</sup> MC-16LX MB90580C                                                                                                   |
| RAM SIZE                         | 6K x 8                                                                                                                            |
| PROGRAM MEMORY TYPE              | Mask ROM                                                                                                                          |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                                  |
| PERIPHERALS                      | POR, WDT                                                                                                                          |
| PACKAGING                        | Tray                                                                                                                              |
| PACKAGE / CASE                   | 100-BQFP                                                                                                                          |
| OSCILLATOR TYPE                  | External                                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                 |
| NUMBER OF I/O                    | 77                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                     |
| 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 MB90580C Microcontroller IC 16-Bit 16MHz 128KB (128K x 8) Mask ROM 100-PQFP (20x14) |
| DATA CONVERTERS                  | A/D 8x8/10b, D/A 2x8b                                                                                                             |
| CORE SIZE                        | 16-Bit                                                                                                                            |
| CORE PROCESSOR                   | F <sup>2</sup> MC-16LX                                                                                                            |
| CONNECTIVITY                     | SCI, UART/USART                                                                                                                   |

#### Related Tags

|                                            |                                                 |                                                |
|--------------------------------------------|-------------------------------------------------|------------------------------------------------|
| Cypress Semiconductor MB90583CPF-G-144-BND | MB90583CPF-G-144-BND Distributor                | MB90583CPF-G-144-BND Supplier                  |
| MB90583CPF-G-144-BND Price                 | MB90583CPF-G-144-BND Pictures                   | MB90583CPF-G-144-BND Image                     |
| MB90583CPF-G-144-BND PDF Datasheet         | MB90583CPF-G-144-BND Download Datasheet         | MB90583CPF-G-144-BND Datasheet                 |
| MB90583CPF-G-144-BND Stock                 | Buy MB90583CPF-G-144-BND                        | Buy Cypress Semiconductor MB90583CPF-G-144-BND |
| Cypress Semiconductor MB90583CPF-G-144-BND | Cypress Semiconductor Supplier                  | Cypress Semiconductor Distributor              |
| Cypress Semiconductor MB90583CPF-G-144-BND | Cypress Semiconductor Corp MB90583CPF-G-144-BND |                                                |

#### Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MB90583CPF-GS-148</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100QFP<br/>In stock: 6915 pcs<br/>RFQ</div>      |  <div><b>MB90583CPMC-G-120-BND</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100LQFP<br/>In stock: 7368 pcs<br/>RFQ</div>    |
|  <div><b>MB90583CAPMC-G-146</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100LQFP<br/>In stock: 7047 pcs<br/>RFQ</div>    |  <div><b>MB90583CPF-GS-149E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100QFP<br/>In stock: 8707 pcs<br/>RFQ</div>       |
|  <div><b>MB90583CPMC-G-128-BND</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100LQFP<br/>In stock: 5999 pcs<br/>RFQ</div> |  <div><b>MB90583CPF-G-142-BND</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100QFP<br/>In stock: 8706 pcs<br/>RFQ</div>      |
|  <div><b>MB90583CPF-GS-149</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100QFP<br/>In stock: 6422 pcs<br/>RFQ</div>      |  <div><b>MB90583CPF-G-142-BNDE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100QFP<br/>In stock: 4954 pcs<br/>RFQ</div>    |
|  <div><b>MB90583CAPMC-G-146E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100LQFP<br/>In stock: 3657 pcs<br/>RFQ</div>  |  <div><b>MB90583CAPMC-G-140-BNDE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100LQFP<br/>In stock: 4308 pcs<br/>RFQ</div> |
|  <div><b>MB90583CPF-G-138-BND</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100QFP<br/>In stock: 6695 pcs<br/>RFQ</div>   |  <div><b>MB90583CPF-G-145-BND</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100QFP<br/>In stock: 6039 pcs<br/>RFQ</div>      |