

MB90587CAPF-G-144-BND



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Part Number: MB90587CAPF-G-144-BND

Manufacturer: Cypress Semiconductor

Description: IC MCU 16BIT 64KB MROM 100QFP

Data sheet:

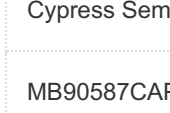
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |                                |                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | MB90587CAPF-G-144-BND           | Manufacturer                   | Cypress Semiconductor                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 64KB MROM 100QFP   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 7027 pcs                        | Data sheet                     |                                                                                                                                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | Integrated Circuits (ICs)       | 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                       | 4K x 8                                                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | Mask ROM                        | Program Memory Size            | 64KB (64K 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 64KB (64K 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                                                                                                                 |
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