

MB96F636RBPMC-GS-N2E2



Part Number: [MB96F636RBPMC-GS-N2E2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 160KB FLASH 80LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                    |                                 |                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MB96F636RBPMC-GS-N2E2                                                                              | Manufacturer                    | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 160KB FLASH 80LQFP                                                                    | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14014 pcs                                                                                          | Data sheet                      |                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                          | Voltage - Supply (Vcc/Vdd)      | 2.7 V ~ 5.5 V                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 80-LQFP (12x12)                                                                                    | Speed                           | 32MHz                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | F*MC-16FX MB96630                                                                                  | RAM Size                        | 24K x 8                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                              | Program Memory Size             | 288KB (288K x 8)                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DMA, LVD, POR, PWM, WDT                                                                            | Packaging                       | Tray                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 80-LQFP                                                                                            | Oscillator Type                 | Internal                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 125°C (TA)                                                                                 | Number of I/O                   | 64                                    |
| 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*MC-16FX F*MC-16FX MB96630 Microcontroller IC 16-Bit 32MHz 288KB (288K x 8) FLASH 80-LQFP (12x12) | Data Converters                 | A/D 21x8/10b                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16-Bit                                                                                             | Core Processor                  | F*MC-16FX                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CANbus, I <sup>2</sup> C, LINbus, SCI, UART/USART                                                  |                                 |                                       |
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