



Cypress Semiconductor



MB96F637RAPMC-GE2

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB96F637RAPMC-GE2                                                                                            |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 16BIT 416KB FLASH 80LQFP                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 11058 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of MB96F637RAPMC-GE2

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB96F637RAPMC-GE2                                                                                                            |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                        |
| DESCRIPTION                      | IC MCU 16BIT 416KB FLASH 80LQFP                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| QUANTITY AVAILABLE               | 11058 pcs                                                                                                                    |
| DATA SHEET                       |                                                                                                                              |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 80-LQFP (12x12)                                                                                                              |
| SPEED                            | 32MHz                                                                                                                        |
| SERIES                           | F <sup>2</sup> MC-16FX MB96630                                                                                               |
| RAM SIZE                         | 28K x 8                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                        |
| PROGRAM MEMORY SIZE              | 416KB (416K 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)                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                            |
| DETAILED DESCRIPTION             | F <sup>2</sup> MC-16FX F <sup>2</sup> MC-16FX MB96630 Microcontroller IC 16-Bit 32MHz 416KB (416K x 8) FLASH 80-LQFP (12x12) |
| DATA CONVERTERS                  | A/D 21x8/10b                                                                                                                 |
| CORE SIZE                        | 16-Bit                                                                                                                       |
| CORE PROCESSOR                   | F <sup>2</sup> MC-16FX                                                                                                       |
| CONNECTIVITY                     | CANbus, I <sup>2</sup> C, LINbus, SCI, UART/USART                                                                            |

Related Tags

|                                         |                                              |                                             |
|-----------------------------------------|----------------------------------------------|---------------------------------------------|
| Cypress Semiconductor MB96F637RAPMC-GE2 | MB96F637RAPMC-GE2 Distributor                | MB96F637RAPMC-GE2 Supplier                  |
| MB96F637RAPMC-GE2 Price                 | MB96F637RAPMC-GE2 Pictures                   | MB96F637RAPMC-GE2 Image                     |
| MB96F637RAPMC-GE2 PDF Datasheet         | MB96F637RAPMC-GE2 Download Datasheet         | MB96F637RAPMC-GE2 Datasheet                 |
| MB96F637RAPMC-GE2 Stock                 | Buy MB96F637RAPMC-GE2                        | Buy Cypress Semiconductor MB96F637RAPMC-GE2 |
| Cypress Semiconductor MB96F637RAPMC-GE2 | Cypress Semiconductor Supplier               | Cypress Semiconductor Distributor           |
| Cypress Semiconductor MB96F637RAPMC-GE2 | Cypress Semiconductor Corp MB96F637RAPMC-GE2 |                                             |

Related Products

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MB96F643ABPMC-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB FLASH 100LQFP<br/>In stock: 22860 pcs<br/><div>RFQ</div></div>    |  <div><b>MB96F637RBPMC-GSAE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 80LQFP<br/>In stock: 19116 pcs<br/><div>RFQ</div></div> |
|  <div><b>MB96F637RBPMC-GS-F4E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 80LQFP<br/>In stock: 8117 pcs<br/><div>RFQ</div></div> |  <div><b>MB96F637RAPMC-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 80LQFP<br/>In stock: 19869 pcs<br/><div>RFQ</div></div>   |
|  <div><b>MB96F636RBPMC-GSAE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 80LQFP<br/>In stock: 5581 pcs<br/><div>RFQ</div></div>   |  <div><b>MB96F637ABPMC-GSAE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 80LQFP<br/>In stock: 16927 pcs<br/><div>RFQ</div></div> |
|  <div><b>MB96F636RBPMC-GSE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 80LQFP<br/>In stock: 12496 pcs<br/><div>RFQ</div></div>   |  <div><b>MB96F637RBPMC-GSE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 80LQFP<br/>In stock: 5983 pcs<br/><div>RFQ</div></div>   |
|  <div><b>MB96F636RBPMC-GSE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 80LQFP<br/>In stock: 13848 pcs<br/><div>RFQ</div></div>   |  <div><b>MB96F637RBPMC-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 80LQFP<br/>In stock: 21657 pcs<br/><div>RFQ</div></div>   |
|  <div><b>MB96F636RBPMC-GS-YE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 80LQFP<br/>In stock: 15434 pcs<br/><div>RFQ</div></div> |  <div><b>MB96F637RBPMC-GSE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 80LQFP<br/>In stock: 19621 pcs<br/><div>RFQ</div></div>  |