



Cypress Semiconductor



Image may be representation. See specifications for product details.

### MB96F386RWBPMCR-GSE2

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB96F386RWBPMCR-GSE2                                                                                         |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 16BIT 288KB FLASH 120LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6185 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

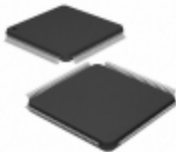
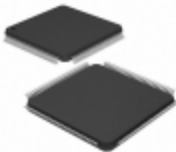
#### Specifications of MB96F386RWBPMCR-GSE2

|                                  |                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB96F386RWBPMCR-GSE2                                                                                                          |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                         |
| DESCRIPTION                      | IC MCU 16BIT 288KB FLASH 120LQFP                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                    |
| QUANTITY AVAILABLE               | 6185 pcs                                                                                                                      |
| DATA SHEET                       |                                                                                                                               |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 5.5 V                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 120-LQFP (16x16)                                                                                                              |
| SPEED                            | 56MHz                                                                                                                         |
| SERIES                           | F <sup>2</sup> MC-16FX MB96380                                                                                                |
| RAM SIZE                         | 16K x 8                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                         |
| PROGRAM MEMORY SIZE              | 288KB (288K x 8)                                                                                                              |
| PERIPHERALS                      | DMA, LCD, LVD, LVR, POR, PWM, WDT                                                                                             |
| PACKAGING                        | Tray                                                                                                                          |
| PACKAGE / CASE                   | 120-LQFP                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                            |
| NUMBER OF I/O                    | 94                                                                                                                            |
| 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 MB96380 Microcontroller IC 16-Bit 56MHz 288KB (288K x 8) FLASH 120-LQFP (16x16) |
| DATA CONVERTERS                  | A/D 16x10b                                                                                                                    |
| CORE SIZE                        | 16-Bit                                                                                                                        |
| CORE PROCESSOR                   | F <sup>2</sup> MC-16FX                                                                                                        |
| CONNECTIVITY                     | CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, SCI, UART/USART                                                                    |

#### Related Tags

|                                            |                                                 |                                                |
|--------------------------------------------|-------------------------------------------------|------------------------------------------------|
| Cypress Semiconductor MB96F386RWBPMCR-GSE2 | MB96F386RWBPMCR-GSE2 Distributor                | MB96F386RWBPMCR-GSE2 Supplier                  |
| MB96F386RWBPMCR-GSE2 Price                 | MB96F386RWBPMCR-GSE2 Pictures                   | MB96F386RWBPMCR-GSE2 Image                     |
| MB96F386RWBPMCR-GSE2 PDF Datasheet         | MB96F386RWBPMCR-GSE2 Download Datasheet         | MB96F386RWBPMCR-GSE2 Datasheet                 |
| MB96F386RWBPMCR-GSE2 Stock                 | Buy MB96F386RWBPMCR-GSE2                        | Buy Cypress Semiconductor MB96F386RWBPMCR-GSE2 |
| Cypress Semiconductor MB96F386RWBPMCR-GSE2 | Cypress Semiconductor Supplier                  | Cypress Semiconductor Distributor              |
| Cypress Semiconductor MB96F386RWBPMCR-GSE2 | Cypress Semiconductor Corp MB96F386RWBPMCR-GSE2 |                                                |

#### Related Products

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| <div></div> <div><b>MB96F387RSAPMCR-GSE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 120LQFP<br/>In stock: 6187 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>MB96F386RWBPMC-GSE2-J036</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 5396 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>MB96F386RWCPMC-GSE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 6044 pcs<br/><div>RFQ</div></div>      | <div></div> <div><b>MB96F386RWBPMC-GSE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 9798 pcs<br/><div>RFQ</div></div>      |
| <div></div> <div><b>MB96F387RSBPMC-GE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 120LQFP<br/>In stock: 7212 pcs<br/><div>RFQ</div></div>       | <div></div> <div><b>MB96F387RSAPMC-GSE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 416KB FLASH 120LQFP<br/>In stock: 4998 pcs<br/><div>RFQ</div></div>      |
| <div></div> <div><b>MB96F386RWBPMC-GSE2-J038</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 5263 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>MB96F386RWBPMC-GS-N2E2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 11100 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>MB96F386RWBPMC-GSE2-J034</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 5065 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>MB96F386YWBPMC-GE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 4298 pcs<br/><div>RFQ</div></div>       |
| <div></div> <div><b>MB96F386YSBPMC-GE2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 3970 pcs<br/><div>RFQ</div></div>       | <div></div> <div><b>MB96F386RWBPMC-GSE2-J039</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 288KB FLASH 120LQFP<br/>In stock: 6064 pcs<br/><div>RFQ</div></div> |