

MB96F653RBPMC-GSE1





Part Number:

MB96F653RBPMC-GSE1

Manufacturer:

Cypress Semiconductor

Description:

IC MCU 16BIT 96KB FLASH 120LQFP

Data sheet:

 [MB96650 Series](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

Shipment Way:

DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                |                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MB96F653RBPMC-GSE1                        | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 16BIT 96KB FLASH 120LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16857 pcs                                 | Data sheet                     | <a href="#">MB96650 Series</a>                                                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 120-LQFP (16x16)                          | Speed                          | 32MHz                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | F*MC-16FX MB96650                         | RAM Size                       | 10K x 8                                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                     | Program Memory Size            | 96KB (96K x 8)                                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 120-LQFP                                  | Oscillator Type                | Internal                                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 125°C (TA)                        | Number of I/O                  | 101                                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                         | Detailed Description           | F*MC-16FX F*MC-16FX MB96650 Microcontroller IC 16-Bit 32MHz 96KB (96K x 8) FLASH 120-LQFP (16x16) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 29x8/10b                              | Core Size                      | 16-Bit                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                             | F*MC-16FX                                 | Connectivity                   | CANbus, I <sup>2</sup> C, LINbus, SCI, UART/USART                                                 |
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|  | Part#: <a href="#">MB96F655ABPMC-GSE2</a><br>Description: IC MCU 16BIT 160KB FLASH 120LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F655ABPMC-GSAE1</a><br>Description: IC MCU 16BIT 160KB FLASH 120LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F647RBPMC-GSAE1</a><br>Description: IC MCU 16BIT 416KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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