

MB96F6A5ABPMC-GSAE1



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**Part Number:** [MB96F6A5ABPMC-GSAE1](#)

**Manufacturer:** [Cypress Semiconductor](#)

**Description:** IC MCU 16BIT 160KB FLASH 120LQFP

**Data sheet:**

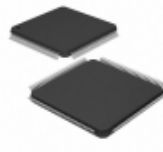
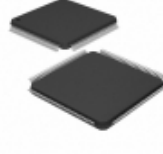
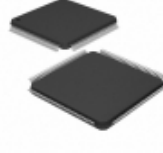
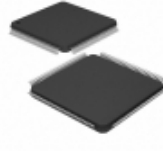
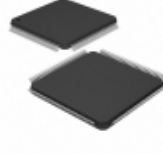
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                |                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MB96F6A5ABPMC-GSAE1                       | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 160KB FLASH 120LQFP          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14248 pcs                                 | Data sheet                     |                                                                                                                               |
| 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 <sup>2</sup> MC-16FX MB966A0            | RAM Size                       | 8K x 8                                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                     | Program Memory Size            | 160KB (160K x 8)                                                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DMA, LCD, LVD, POR, PWM, WDT              | Packaging                      | Tray                                                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 120-LQFP                                  | Oscillator Type                | Internal                                                                                                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 105°C (TA)                        | Number of I/O                  | 97                                                                                                                            |
| 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 MB966A0 Microcontroller IC 16-Bit 32MHz 160KB (160K x 8) FLASH 120-LQFP (16x16) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 32x8/10b                              | Core Size                      | 16-Bit                                                                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                              | F <sup>2</sup> MC-16FX                    | Connectivity                   | I <sup>2</sup> C, LINbus, SCI, UART/USART                                                                                     |
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|  | Part#: <a href="#">MB96F696RBPMC-GSE2</a><br>Description: IC MCU 16BIT 288KB FLASH 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F696RBPMC-GSAE1</a><br>Description: IC MCU 16BIT 288KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F6A5ABPMC-GSE2</a><br>Description: IC MCU 16BIT 160KB FLASH 120LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F695RBPMC-GSE2</a><br>Description: IC MCU 16BIT 160KB FLASH 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB96F695ABPMC-GSE2</a><br>Description: IC MCU 16BIT 160KB FLASH 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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