

MB96F673ABPMC1-GSE2



Part Number: [MB96F673ABPMC1-GSE2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 96KB FLASH 64LQFP

Data sheet:  [MB96670 Series](#)

RoHs Status: Lead free / RoHS Compliant

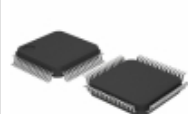
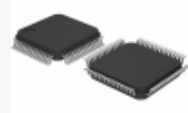
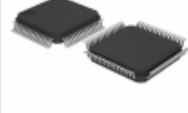
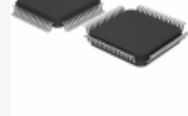
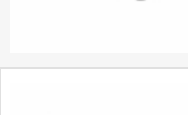
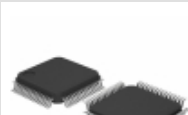
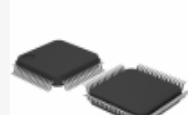
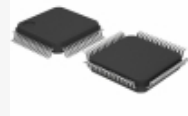
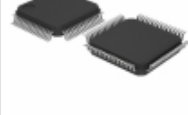
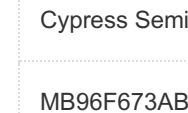
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                  |                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MB96F673ABPMC1-GSE2                       | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 96KB FLASH 64LQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 19089 pcs                                 | Data sheet                       | <a href="#">MB96670 Series</a>                                                                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-LQFP (10x10)                           | Speed                            | 32MHz                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | F <sup>2</sup> MC-16FX MB96670            | RAM Size                         | 4K x 8                                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                     | Program Memory Size              | 96KB (96K x 8)                                                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DMA, LCD, LVD, POR, PWM, WDT              | Packaging                        | Tray                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64-LQFP                                   | Other Names                      | CY96F673ABPMC1-GS-UJE2<br>MB96F673ABPMC1-GS-JAE2<br>MB96F673ABPMC1-GS-JAE2-ND                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                                         |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 50                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                             | 17 Weeks                                  | 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 MB96670 Microcontroller IC 16-Bit 32MHz 96KB (96K x 8) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 12x8/10b                              | 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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| RELATED PRODUCTS                                                                   |                                                                                                |                                                      |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB96F673RBPMP-GSAE1</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GS109JAE2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673RBPMP-GSE1</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GS-115E2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GSE1</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F675ABPMC-GE1</a><br>Description: IC MCU 16BIT 160KB FLASH 64LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GS103JAE2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673RBPMP-GSE2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GS101JAE1</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673RBPMP1-GSE1</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GS-120E2</a><br>Description: IC MICROCONTROLLER              | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GS102JAE1</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F675ABPMC-GS-JKE2</a><br>Description: IC MCU 16BIT 160KB FLASH 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GS-N2E2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673RBPMP1-GSAE1</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673RAPMP-GSE2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673ABPMC1-GS-112E2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F673RBPMP1-GSE2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB96F673ABPMC1-GSAE1</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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