

MB96F336USAPMC-GK5E1



Part Number: [MB96F336USAPMC-GK5E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 288KB FLASH 144LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

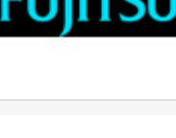
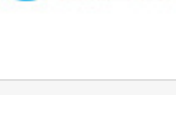
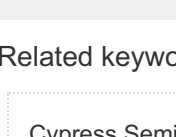
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                               |                                  |                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MB96F336USAPMC-GK5E1                                                                                                          | Manufacturer                     | <a href="#">Cypress Semiconductor</a>       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 288KB FLASH 144LQFP                                                                                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5904 pcs                                                                                                                      | Data sheet                       |                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                                                     | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 5.5 V                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 144-LQFP (20x20)                                                                                                              | Speed                            | 48MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | F <sup>®</sup> MC-16FX MB96330                                                                                                | RAM Size                         | 24K x 8                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                                                                                         | Program Memory Size              | 288KB (288K x 8)                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DMA, LVD, LVR, POR, PWM, WDT                                                                                                  | Packaging                        | Tray                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 144-LQFP                                                                                                                      | Other Names                      | MB96F336USAPMC-GE1<br>MB96F336USAPMC-GE1-ND |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                                                                                                      | Operating Temperature            | -40°C ~ 105°C (TA)                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 120                                                                                                                           | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lead free / RoHS Compliant                                                                                                    | EEPROM Size                      | -                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                        | F <sup>®</sup> MC-16FX F <sup>®</sup> MC-16FX MB96330 Microcontroller IC 16-Bit 48MHz 288KB (288K x 8) FLASH 144-LQFP (20x20) | Data Converters                  | A/D 36x10b                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16-Bit                                                                                                                        | Core Processor                   | F <sup>®</sup> MC-16FX                      |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, SCI, UART/USART, USB                                                               |                                  |                                             |
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| RELATED PRODUCTS                                                                   |                                                                                                  |                                                                  |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB96F315RWBPMC-GSE2</a><br>Description: IC MCU 16BIT 160KB FLASH 48LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F326YSBPMC-GE2</a><br>Description: IC MCU 16BIT 288KB FLASH 80LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F336UWAPMC-GK5E2</a><br>Description: IC MCU 16BIT 288KB FLASH 144LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F338RSAPMC-GS-N2K5E2</a><br>Description: IC MCU 16BIT 544KB FLASH 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F326ASBPMC-GS-F4E1</a><br>Description: IC MCU 16BIT 288KB FLASH 80LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F336UWAPMC-GSK5E2</a><br>Description: IC MCU 16BIT 288KB FLASH 144LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F326RSBPMC-GSE2</a><br>Description: IC MCU 16BIT 288KB FLASH 80LQFP       | Manufacturers: <a href="#">Fujitsu Electronics America, Inc.</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F336UWAPMC-GK5E1</a><br>Description: IC MCU 16BIT 288KB FLASH 144LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F326YWBPMC-GE2</a><br>Description: IC MCU 16BIT 288KB FLASH 80LQFP        | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F336USAPMC-GSE2</a><br>Description: IC MCU 16BIT 288KB FLASH 144LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F326RWBPMC-GSE2</a><br>Description: IC MCU 16BIT 288KB FLASH 80LQFP       | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F338RSAPMCR-G-N2K5E2</a><br>Description: IC MCU 16BIT 544KB FLASH 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F336UWAPMC-GS-N2K5E2</a><br>Description: IC MCU 16BIT 288KB FLASH 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
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|--------------------------------------------------|--------------------------------------------|-------------------------------------------------|----------------------------|
| Related keywords for <b>MB96F336USAPMC-GK5E1</b> |                                            |                                                 |                            |
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