

MB96F346RWAPMCR-GS-N2E2



Part Number: [MB96F346RWAPMCR-GS-N2E2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 288KB FLASH 100LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

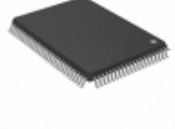
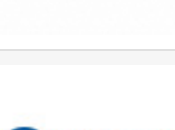
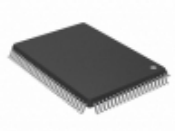
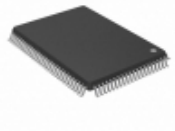
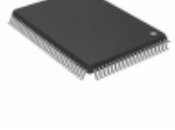
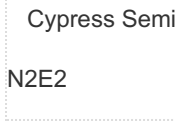
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                               |                                 |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MB96F346RWAPMCR-GS-N2E2                                                                                                       | Manufacturer                    | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 288KB FLASH 100LQFP                                                                                              | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6908 pcs                                                                                                                      | Data sheet                      |                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                                                     | Voltage - Supply (Vcc/Vdd)      | 3 V ~ 5.5 V                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100-LQFP (14x14)                                                                                                              | Speed                           | 56MHz                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | F <sup>2</sup> MC-16FX MB96340                                                                                                | RAM Size                        | 16K x 8                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                                                                         | Program Memory Size             | 288KB (288K x 8)                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DMA, LVD, LVR, POR, PWM, WDT                                                                                                  | Packaging                       | Tray                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100-LQFP                                                                                                                      | Oscillator Type                 | Internal                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 105°C (TA)                                                                                                            | Number of I/O                   | 80                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 (168 Hours)                                                                                                                 | Manufacturer Standard Lead Time | 27 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 MB96340 Microcontroller IC 16-Bit 56MHz 288KB (288K x 8) FLASH 100-LQFP (14x14) | Data Converters                 | A/D 24x10b                            |
| 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                                                                    |                                 |                                       |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                      |                |
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|  | Part#: <a href="#">MB96F346RSCPMC-GS-F4E1</a><br>Description: IC MCU 16BIT 288KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB96F346RSBPMC-GS-N2E2</a><br>Description: IC MCU 16BIT 288KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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|-------------------------------------------------------|--------------------------------------------|-----------------------------------|-----------------------------------------------|
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