

MB96F348HSBPQCR-GSE2





Part Number: [MB96F348HSBPQCR-GSE2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 576KB FLASH 100QFP

Data sheet:  [MB96340 Series](#)

RoHs Status: Lead free / RoHS Compliant

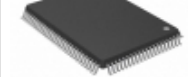
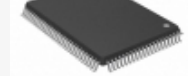
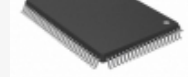
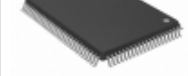
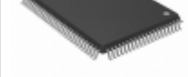
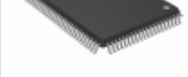
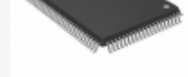
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                  |                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MB96F348HSBPQCR-GSE2                      | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 576KB FLASH 100QFP           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 5934 pcs                                  | Data sheet                       | <a href="#">MB96340 Series</a>                                                                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 5.5 V                                                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 100-PQFP (20x14)                          | Speed                            | 56MHz                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | F*MC-16FX MB96340                         | RAM Size                         | 24K x 8                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                     | Program Memory Size              | 576KB (576K x 8)                                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | DMA, LVD, LVR, POR, PWM, WDT              | Packaging                        | Tray                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 100-BQFP                                  | Other Names                      | CY96F348HSBPQCR-GSE2                                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                | 82                                        | 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*MC-16FX F*MC-16FX MB96340 Microcontroller IC 16-Bit 56MHz 576KB (576K x 8) FLASH 100-PQFP (20x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 24x10b                                | Core Size                        | 16-Bit                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | F*MC-16FX                                 | Connectivity                     | CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, SCI, UART/USART                                          |
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| RELATED PRODUCTS                                                                   |                                                                                                 |                                                                  |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB96F348ASBPMC-GS-N2E2</a><br>Description: IC MCU 16BIT 544KB FLASH 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348RSAPMCR-GS-N2E2</a><br>Description: IC MCU 16BIT 544KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348ASBPMC-GSE2</a><br>Description: IC MCU 16BIT 544KB FLASH 100LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HWCPMC-GE2</a><br>Description: IC MCU 16BIT 576KB FLASH 100LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HSCPMC-GSE2</a><br>Description: IC MCU 16BIT 576KB FLASH 100LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348ASBPMC-GE2</a><br>Description: IC MCU 16BIT 544KB FLASH 100LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348ASBPQC-GE2</a><br>Description: IC MCU 16BIT 544KB FLASH 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HWCPQC-GE2</a><br>Description: IC MCU 16BIT 576KB FLASH 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HSBPMC-GSE2</a><br>Description: IC MCU 16BIT 576KB FLASH 100LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348RSAPQCR-GS-N2E2</a><br>Description: IC MCU 16BIT 544KB FLASH 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348ASBPQC-GSE2</a><br>Description: IC MCU 16BIT 544KB FLASH 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348RSAPMCR-GSE2</a><br>Description: IC MCU 16BIT 544KB FLASH 100LQFP    | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HSCPMC-GS-F4E1</a><br>Description: IC MCU 16BIT 576KB FLASH 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HSBPMC-GSE2</a><br>Description: IC MCU 16BIT 544KB FLASH 100LQFP     | Manufacturers: <a href="#">Fujitsu Electronics America, Inc.</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HSCPQC-GE2</a><br>Description: IC MCU 16BIT 576KB FLASH 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348ASBPMC-GS-YE2</a><br>Description: IC MCU 16BIT 544KB FLASH 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HSBPMC-GSE2</a><br>Description: IC MCU 16BIT 576KB FLASH 100LQFP     | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HSCPMC-GE2</a><br>Description: IC MCU 16BIT 576KB FLASH 100LQFP      | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">MB96F348HSCPQC-GSE2</a><br>Description: IC MCU 16BIT 576KB FLASH 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a>             | <div>RFQ</div> |
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| Related keywords for <b>MB96F348HSBPQCR-GSE2</b> |                                            |                                                 |                            |
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