

MB90349CASPFV-GS-785E1



Part Number: [MB90349CASPFV-GS-785E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 256KB MROM 100LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

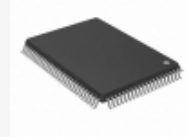
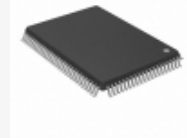
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                  |                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                     | MB90349CASPFV-GS-785E1                    | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                     | IC MCU 16BIT 256KB MROM 100LQFP           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                              | 16182 pcs                                 | Data sheet                       |                                                                                                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 3.5 V ~ 5.5 V                                                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                         | 100-LQFP (14x14)                          | Speed                            | 24MHz                                                                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                          | F <sup>2</sup> MC-16LX MB90340            | RAM Size                         | 16K x 8                                                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                             | Mask ROM                                  | Program Memory Size              | 256KB (256K x 8)                                                                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                     | DMA, POR, WDT                             | Packaging                        | Tray                                                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                  | 100-LQFP                                  | Other Names                      | CY90349CASPFV-GS-785E1                                                                                                           |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                 | External                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                   | 82                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                    |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                 | 20 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                       |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | Detailed Description             | F <sup>2</sup> MC-16LX F <sup>2</sup> MC-16LX MB90340 Microcontroller IC 16-Bit 24MHz 256KB (256K x 8) Mask ROM 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                 | A/D 24x8/10b                              | Core Size                        | 16-Bit                                                                                                                           |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                  | F <sup>2</sup> MC-16LX                    | 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="#">MB90349CASPFV-GS-764E1</a><br>Description: IC MCU 16BIT 256KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90349CASPFV-GS-788E1</a><br>Description: IC MCU 16BIT 256KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB90349CASTPFV-GS-644E1</a><br>Description: IC MICROCONTROLLER             | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90349CEPF-G-284E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90349CASPFV-GS-767E1</a><br>Description: IC MCU 16BIT 256KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90349CASPFV-GS-771E1</a><br>Description: IC MCU 16BIT 256KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90349CASPFV-GS-770E1</a><br>Description: IC MCU 16BIT 256KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90349CASPFV-GS-760E1</a><br>Description: IC MCU 16BIT 256KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90349CASPFV-GS-792E1</a><br>Description: IC MCU 16BIT 256KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90349CASPFV-GS-768E1</a><br>Description: IC MCU 16BIT 256KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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