

MB90427GAVPMC-GS-534E1



Part Number: [MB90427GAVPMC-GS-534E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 64KB MROM 100LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

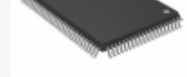
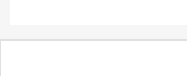
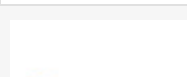
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                  |                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                     | MB90427GAVPMC-GS-534E1                    | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                     | IC MCU 16BIT 64KB MROM 100LQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                              | 23180 pcs                                 | Data sheet                       |                                                                                                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 4.5 V ~ 5.5 V                                                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                         | 100-LQFP (14x14)                          | Speed                            | 16MHz                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                          | F <sup>2</sup> MC-16LX MB90425G (A)       | RAM Size                         | 4K x 8                                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                             | Mask ROM                                  | Program Memory Size              | 64KB (64K x 8)                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                     | LCD, LVD, POR, PWM, WDT                   | Packaging                        | Tray                                                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                  | 100-LQFP                                  | Other Names                      | CY90427GAVPMC-GS-534E1                                                                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                 | External                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                   | 58                                        | 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-16LX F <sup>2</sup> MC-16LX MB90425G (A) Microcontroller IC 16-Bit 16MHz 64KB (64K x 8) Mask ROM 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                 | A/D 8x8/10b                               | Core Size                        | 16-Bit                                                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                  | F <sup>2</sup> MC-16LX                    | Connectivity                     | CANbus, UART/USART                                                                                                                  |
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|  | Part#: <a href="#">MB90427GAVPFV-GS-514E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |
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|  | Part#: <a href="#">MB90427GAVPMC-GS-530E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |
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|  | Part#: <a href="#">MB90427GCPFV-G-137-BND</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |
|  | Part#: <a href="#">MB90427GAVPF-GS-363E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |
|  | Part#: <a href="#">MB90427GCPF-GS-207E1</a><br>Description: IC MCU 16BIT 64KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |
|  | Part#: <a href="#">MB90427GCPFV-GS-508E1</a><br>Description: IC MCU 16BIT 64KB MROM 100LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |

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