

CYPRESS  
EMBEDDED IN TOMORROW

Cypress Semiconductor



Image may be representation. See specifications for product details.

### MB90427GCPFV-GS-524E1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB90427GCPFV-GS-524E1                                                                                        |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 16BIT 64KB MROM 100LQFP                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 18760 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

#### Specifications of MB90427GCPFV-GS-524E1

|                                  |                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB90427GCPFV-GS-524E1                                                                                                               |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                               |
| DESCRIPTION                      | IC MCU 16BIT 64KB MROM 100LQFP                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                          |
| QUANTITY AVAILABLE               | 18760 pcs                                                                                                                           |
| DATA SHEET                       |                                                                                                                                     |
| 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, POR, PWM, WDT                                                                                                                  |
| PACKAGING                        | Tray                                                                                                                                |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                            |
| OTHER NAMES                      | CY90427GCPFV-GS-524E1                                                                                                               |
| OSCILLATOR TYPE                  | External                                                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                  |
| NUMBER OF I/O                    | 58                                                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                       |
| 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                                                                                                                  |

#### Related Tags

|                                             |                                                  |                                                 |
|---------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| Cypress Semiconductor MB90427GCPFV-GS-524E1 | MB90427GCPFV-GS-524E1 Distributor                | MB90427GCPFV-GS-524E1 Supplier                  |
| MB90427GCPFV-GS-524E1 Price                 | MB90427GCPFV-GS-524E1 Pictures                   | MB90427GCPFV-GS-524E1 Image                     |
| MB90427GCPFV-GS-524E1 PDF Datasheet         | MB90427GCPFV-GS-524E1 Download Datasheet         | MB90427GCPFV-GS-524E1 Datasheet                 |
| MB90427GCPFV-GS-524E1 Stock                 | Buy MB90427GCPFV-GS-524E1                        | Buy Cypress Semiconductor MB90427GCPFV-GS-524E1 |
| Cypress Semiconductor MB90427GCPFV-GS-524E1 | Cypress Semiconductor Supplier                   | Cypress Semiconductor Distributor               |
| Cypress Semiconductor MB90427GCPFV-GS-524E1 | Cypress Semiconductor Corp MB90427GCPFV-GS-524E1 |                                                 |

#### Related Products

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| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPPMC-GS-196E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 10856 pcs<br/>RFQ</div> | <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90428GAEPMC-GS-176E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100LQFP<br/>In stock: 3013 pcs<br/>RFQ</div>  |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPMC-GS-540E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 14662 pcs<br/>RFQ</div>  | <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPFV-GS-509</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 7289 pcs<br/>RFQ</div>      |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPFV-GS-520E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 18770 pcs<br/>RFQ</div>  | <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90428GAPMC-GS-153-BND</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 128KB MROM 100LQFP<br/>In stock: 5856 pcs<br/>RFQ</div> |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPFV-GS-515E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 6936 pcs<br/>RFQ</div>   | <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPFV-GS-522E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 15845 pcs<br/>RFQ</div>   |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPMC-GS-527E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 20032 pcs<br/>RFQ</div>  | <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPFV-GS-513E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 17693 pcs<br/>RFQ</div>   |
| <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPMC-GS-531E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 21693 pcs<br/>RFQ</div>  | <div>CYPRESS<br/>EMBEDDED IN TOMORROW</div> <div><b>MB90427GCPFV-GS-512E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 100LQFP<br/>In stock: 18420 pcs<br/>RFQ</div>   |

