

CYPRESS  
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Cypress Semiconductor



Image may be representation. See specifications for product details.

### MB90457SPMT-GS-194E1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB90457SPMT-GS-194E1                                                                                         |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 16BIT 64KB MROM 48LQFP                                                                                |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 5790 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

#### Specifications of MB90457SPMT-GS-194E1

|                                  |                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB90457SPMT-GS-194E1                                                                                                        |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                       |
| DESCRIPTION                      | IC MCU 16BIT 64KB MROM 48LQFP                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                  |
| QUANTITY AVAILABLE               | 5790 pcs                                                                                                                    |
| DATA SHEET                       |                                                                                                                             |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3.5 V ~ 5.5 V                                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (7x7)                                                                                                               |
| SPEED                            | 16MHz                                                                                                                       |
| SERIES                           | F <sup>2</sup> MC-16LX MB90455                                                                                              |
| RAM SIZE                         | 2K x 8                                                                                                                      |
| PROGRAM MEMORY TYPE              | Mask ROM                                                                                                                    |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                              |
| PERIPHERALS                      | POR, WDT                                                                                                                    |
| PACKAGING                        | Tray                                                                                                                        |
| PACKAGE / CASE                   | 48-LQFP                                                                                                                     |
| OSCILLATOR TYPE                  | External                                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                          |
| NUMBER OF I/O                    | 34                                                                                                                          |
| 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 MB90455 Microcontroller IC 16-Bit 16MHz 64KB (64K x 8) Mask ROM 48-LQFP (7x7) |
| DATA CONVERTERS                  | A/D 8x8/10b                                                                                                                 |
| CORE SIZE                        | 16-Bit                                                                                                                      |
| CORE PROCESSOR                   | F <sup>2</sup> MC-16LX                                                                                                      |
| CONNECTIVITY                     | UART/USART                                                                                                                  |

#### Related Tags

|                                            |                                                 |                                                |
|--------------------------------------------|-------------------------------------------------|------------------------------------------------|
| Cypress Semiconductor MB90457SPMT-GS-194E1 | MB90457SPMT-GS-194E1 Distributor                | MB90457SPMT-GS-194E1 Supplier                  |
| MB90457SPMT-GS-194E1 Price                 | MB90457SPMT-GS-194E1 Pictures                   | MB90457SPMT-GS-194E1 Image                     |
| MB90457SPMT-GS-194E1 PDF Datasheet         | MB90457SPMT-GS-194E1 Download Datasheet         | MB90457SPMT-GS-194E1 Datasheet                 |
| MB90457SPMT-GS-194E1 Stock                 | Buy MB90457SPMT-GS-194E1                        | Buy Cypress Semiconductor MB90457SPMT-GS-194E1 |
| Cypress Semiconductor MB90457SPMT-GS-194E1 | Cypress Semiconductor Supplier                  | Cypress Semiconductor Distributor              |
| Cypress Semiconductor MB90457SPMT-GS-194E1 | Cypress Semiconductor Corp MB90457SPMT-GS-194E1 |                                                |

#### Related Products

|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MB90457SPMT-GS-163</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 8448 pcs<br/><b>RFQ</b></div>   |  <div><b>MB90457SPMT-GS-202E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 6430 pcs<br/><b>RFQ</b></div> |
|  <div><b>MB90457SPMT-GS-201E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 2966 pcs<br/><b>RFQ</b></div> |  <div><b>MB90457SPMT-GS-168</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 8343 pcs<br/><b>RFQ</b></div>   |
|  <div><b>MB90457SPMT-GS-201</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 7893 pcs<br/><b>RFQ</b></div>   |  <div><b>MB90457SPMT-GS-168E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 4080 pcs<br/><b>RFQ</b></div> |
|  <div><b>MB90457SPMT-GS-163E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 6741 pcs<br/><b>RFQ</b></div> |  <div><b>MB90457SPMT-GS-189E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 2931 pcs<br/><b>RFQ</b></div> |
|  <div><b>MB90457SPMT-GS-241</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 7321 pcs<br/><b>RFQ</b></div>   |  <div><b>MB90457SPMT-GS-194</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 6906 pcs<br/><b>RFQ</b></div>   |
|  <div><b>MB90457SPMT-GS-202</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 7708 pcs<br/><b>RFQ</b></div>   |  <div><b>MB90457SPMT-GS-241E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB MROM 48LQFP<br/>In stock: 6613 pcs<br/><b>RFQ</b></div> |