

MB89P637PF-GT-5096E1



Part Number: [MB89P637PF-GT-5096E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 8BIT 32KB OTP 64QFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                |                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MB89P637PF-GT-5096E1                      | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 8BIT 32KB OTP 64QFP                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3993 pcs                                  | Data sheet                     |                                                                                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 6 V                                                                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-PQFP (20x14)                           | Speed                          | 10MHz                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | F <sup>2</sup> MC-8L MB89630              | RAM Size                       | 1K x 8                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OTP                                       | Program Memory Size            | 32KB (32K x 8)                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | POR, PWM, WDT                             | Packaging                      | Tray                                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64-BQFP                                   | Oscillator Type                | External                                                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 85°C (TA)                         | Number of I/O                  | 53                                                                                                                  |
| 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-8L F <sup>2</sup> MC-8L MB89630 Microcontroller IC 8-Bit 10MHz 32KB (32K x 8) OTP 64-PQFP (20x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 8x10b                                 | Core Size                      | 8-Bit                                                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                              | F <sup>2</sup> MC-8L                      | Connectivity                   | EBI/EMI, Serial I/O, UART/USART                                                                                     |
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|  | Part#: <a href="#">MB89P637PF-GT-5104</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5100</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MB89P637PF-GT-5083E1</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5095</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5100E1</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5101</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5091</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PFR-GE1</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P665P-GT-5043SH</a><br>Description: IC MCU 8BIT 16KB OTP 64SHDIP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5101E1</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5099</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5092</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5104E1</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5093E1</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5093</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5096</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5086</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB89P637PF-GT-5083</a><br>Description: IC MCU 8BIT 32KB OTP 64QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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