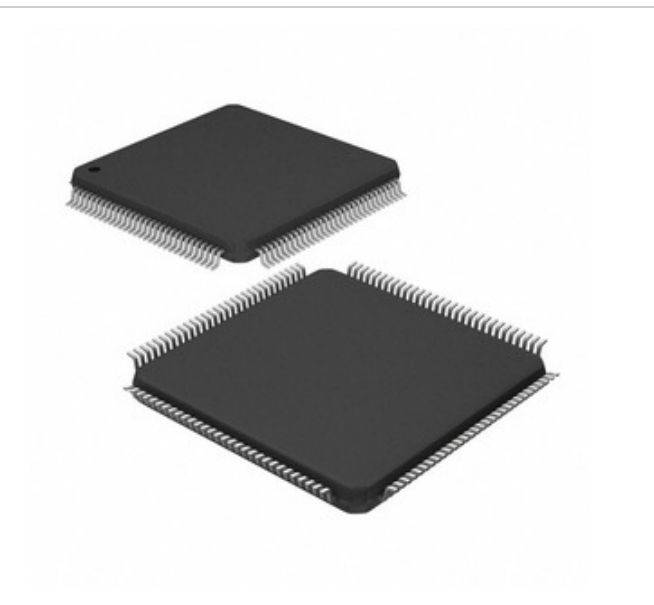


Cypress Semiconductor



### MB90P224BPF-GT-5302

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB90P224BPF-GT-5302                                                                                          |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 16BIT 96KB OTP 120QFP                                                                                 |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3410 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

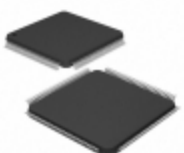
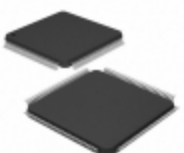
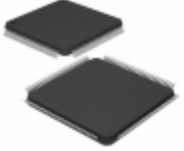
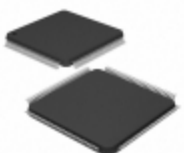
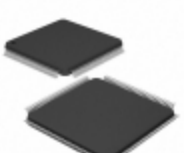
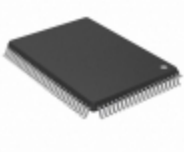
#### Specifications of MB90P224BPF-GT-5302

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB90P224BPF-GT-5302                                                                                                     |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                   |
| DESCRIPTION                      | IC MCU 16BIT 96KB OTP 120QFP                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| QUANTITY AVAILABLE               | 3410 pcs                                                                                                                |
| DATA SHEET                       |                                                                                                                         |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 5.5 V                                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 120-PQFP (28x28)                                                                                                        |
| SPEED                            | 16MHz                                                                                                                   |
| SERIES                           | F <sup>2</sup> MC-16F MB90220                                                                                           |
| RAM SIZE                         | 4.5K x 8                                                                                                                |
| PROGRAM MEMORY TYPE              | OTP                                                                                                                     |
| PROGRAM MEMORY SIZE              | 96KB (96K x 8)                                                                                                          |
| PERIPHERALS                      | POR, PWM, WDT                                                                                                           |
| PACKAGING                        | Tray                                                                                                                    |
| PACKAGE / CASE                   | 120-BQFP                                                                                                                |
| OSCILLATOR TYPE                  | External                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                      |
| NUMBER OF I/O                    | 102                                                                                                                     |
| 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-16F F <sup>2</sup> MC-16F MB90220 Microcontroller IC 16-Bit 16MHz 96KB (96K x 8) OTP 120-PQFP (28x28) |
| DATA CONVERTERS                  | A/D 16x10b                                                                                                              |
| CORE SIZE                        | 16-Bit                                                                                                                  |
| CORE PROCESSOR                   | F <sup>2</sup> MC-16F                                                                                                   |
| CONNECTIVITY                     | EBI/EMI, UART/USART                                                                                                     |

#### Related Tags

|                                           |                                                |                                               |
|-------------------------------------------|------------------------------------------------|-----------------------------------------------|
| Cypress Semiconductor MB90P224BPF-GT-5302 | MB90P224BPF-GT-5302 Distributor                | MB90P224BPF-GT-5302 Supplier                  |
| MB90P224BPF-GT-5302 Price                 | MB90P224BPF-GT-5302 Pictures                   | MB90P224BPF-GT-5302 Image                     |
| MB90P224BPF-GT-5302 PDF Datasheet         | MB90P224BPF-GT-5302 Download Datasheet         | MB90P224BPF-GT-5302 Datasheet                 |
| MB90P224BPF-GT-5302 Stock                 | Buy MB90P224BPF-GT-5302                        | Buy Cypress Semiconductor MB90P224BPF-GT-5302 |
| Cypress Semiconductor MB90P224BPF-GT-5302 | Cypress Semiconductor Supplier                 | Cypress Semiconductor Distributor             |
| Cypress Semiconductor MB90P224BPF-GT-5302 | Cypress Semiconductor Corp MB90P224BPF-GT-5302 |                                               |

#### Related Products

|                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>MB90P224BPF-GT-5303</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB OTP 120QFP<br/>In stock: 4126 pcs<br/><b>RFQ</b></div> | <div></div> <div><b>MB91008PMC1-GS-107-BNDE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT FR-0.18 120LQFP<br/>In stock: 5747 pcs<br/><b>RFQ</b></div> |
| <div></div> <div><b>MB90P224BPF-GT-5292</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB OTP 120QFP<br/>In stock: 3713 pcs<br/><b>RFQ</b></div> | <div></div> <div><b>MB90P224BPF-GT-5298</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB OTP 120QFP<br/>In stock: 3594 pcs<br/><b>RFQ</b></div>      |
| <div></div> <div><b>MB90P224BPF-GT-5307</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB OTP 120QFP<br/>In stock: 3780 pcs<br/><b>RFQ</b></div> | <div></div> <div><b>MB90P224BPF-GT-5296</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB OTP 120QFP<br/>In stock: 4551 pcs<br/><b>RFQ</b></div>      |
| <div></div> <div><b>MB90P224BPF-GT-5286</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB OTP 120QFP<br/>In stock: 4014 pcs<br/><b>RFQ</b></div> | <div></div> <div><b>MB90P263PF-G-5016-A-TK2</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT MICOM<br/>In stock: 6707 pcs<br/><b>RFQ</b></div>            |
| <div></div> <div><b>MB90P224BPF-GT-5284</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB OTP 120QFP<br/>In stock: 3633 pcs<br/><b>RFQ</b></div> | <div></div> <div><b>MB90P224BPF-GT-5294</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 96KB OTP 120QFP<br/>In stock: 3410 pcs<br/><b>RFQ</b></div>      |
| <div></div> <div><b>MB90P678PF-G-5037E1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB OTP 100QFP<br/>In stock: 3824 pcs<br/><b>RFQ</b></div> | <div></div> <div><b>MB90P678PF-G-5037</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 64KB OTP 100QFP<br/>In stock: 3929 pcs<br/><b>RFQ</b></div>        |