

MB90594GHPFR-G-132-BND



Part Number: [MB90594GHPFR-G-132-BND](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 256KB MROM 100QFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

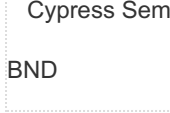
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                |                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MB90594GHPFR-G-132-BND                    | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 256KB MROM 100QFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7097 pcs                                  | Data sheet                     |                                                                                                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 5.5 V                                                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100-PQFP (20x14)                          | Speed                          | 16MHz                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | F*MC-16LX MB90590G                        | RAM Size                       | 6K x 8                                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Mask ROM                                  | Program Memory Size            | 256KB (256K x 8)                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | POR, PWM, WDT                             | Packaging                      | Tray                                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100-BQFP                                  | Oscillator Type                | External                                                                                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                         | Number of I/O                  | 78                                                                                                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                              |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Detailed Description           | F*MC-16LX F*MC-16LX MB90590G Microcontroller IC 16-Bit 16MHz 256KB (256K x 8) Mask ROM 100-PQFP (20x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 8x8/10b                               | Core Size                      | 16-Bit                                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                | F*MC-16LX                                 | Connectivity                   | CANbus, EBI/EMI, SCI, Serial I/O, UART/USART                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                      |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB90591GPFR-G-137-BND</a><br>Description: IC MCU 16BIT 384KB MROM 100QFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90591GPFR-G-164</a><br>Description: IC MCU 16BIT 384KB MROM 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPF-GS-179E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-G-146-BND</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-G-157E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-GS-179E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPF-GS-186E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90591GPFR-G-183-JNE1</a><br>Description: IC MCU 16BIT 384KB MROM 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-G-166</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-GS-186E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-G-145-BND</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-G-157</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-G-182</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP      | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPF-GS-169E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-G-151-BND</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPFR-G-182-JNE1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPF-GS-171E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90591GPFR-G-183</a><br>Description: IC MCU 16BIT 384KB MROM 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90591GPFR-G-172</a><br>Description: IC MCU 16BIT 384KB MROM 100QFP       | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90594GHPF-GS-192E1</a><br>Description: IC MCU 16BIT 256KB MROM 100QFP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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|----------------------------------------------|----------------------------------------------|---------------------------------------------------|------------------------------|
| Related keywords for MB90594GHPFR-G-132-BND  |                                              |                                                   |                              |
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