

MB90394HAPMT-GS-117E2



Part Number: [MB90394HAPMT-GS-117E2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 384KB ROM 120LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

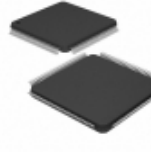
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                |                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MB90394HAPMT-GS-117E2                     | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 384KB ROM 120LQFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5799 pcs                                  | Data sheet                     |                                                                                                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3.5 V ~ 5.5 V                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 120-LQFP (16x16)                          | Speed                          | 24MHz                                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F <sup>2</sup> MC-16LX MB90390            | RAM Size                       | 10K x 8                                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ROM                                       | Program Memory Size            | 384KB (384K x 8)                                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | POR, PWM, WDT                             | Packaging                      | Tray                                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 120-LQFP                                  | Oscillator Type                | External                                                                                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                         | Number of I/O                  | 96                                                                                                                          |
| 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 MB90390 Microcontroller IC 16-Bit 24MHz 384KB (384K x 8) ROM 120-LQFP (16x16) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 15x8/10b                              | Core Size                      | 16-Bit                                                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                               | F <sup>2</sup> MC-16LX                    | Connectivity                   | CANbus, I <sup>2</sup> C, LINbus, SCI, Serial I/O, UART/USART                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                      |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">MB90387SPMT-GT-349E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-119E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMCR-GS-103E1</a><br>Description: IC MCU 16BIT 384KB ROM 299PGA | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-123E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-120E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-109E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90387SPMT-GT-351E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-113E2</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-114E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90423GAPF-G-181</a><br>Description: IC MCU 16BIT 128KB MROM 100QFP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-121E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-124E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-122E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90387SPMT-GT-365E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90387SPMT-GT-355E1</a><br>Description: IC MCU 16BIT 64KB MROM 48LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-125E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-118E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-126E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-116E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MB90394HAPMT-GS-111E1</a><br>Description: IC MCU 16BIT 384KB ROM 120LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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|---------------------------------------------------|---------------------------------------------|--------------------------------------------------|-----------------------------|
| Related keywords for <b>MB90394HAPMT-GS-117E2</b> |                                             |                                                  |                             |
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