



Cypress Semiconductor



Image may be representation. See specifications for product details.

MB90F591APF-GE1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MB90F591APF-GE1                                                                                              |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 16BIT 384KB FLASH 100QFP                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

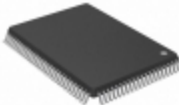
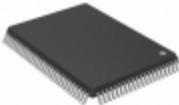
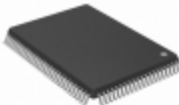
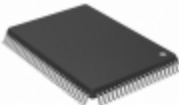
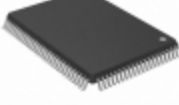
Specifications of MB90F591APF-GE1

|                                  |                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MB90F591APF-GE1                                                                                                               |
| MANUFACTURER                     | Cypress Semiconductor                                                                                                         |
| DESCRIPTION                      | IC MCU 16BIT 384KB FLASH 100QFP                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                    |
| DATA SHEET                       |                                                                                                                               |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 5.25 V                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 100-PQFP (20x14)                                                                                                              |
| SPEED                            | 16MHz                                                                                                                         |
| SERIES                           | F <sup>2</sup> MC-16LX MB90590                                                                                                |
| RAM SIZE                         | 8K x 8                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                         |
| PROGRAM MEMORY SIZE              | 384KB (384K 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 <sup>2</sup> MC-16LX F <sup>2</sup> MC-16LX MB90590 Microcontroller IC 16-Bit 16MHz 384KB (384K x 8) FLASH 100-PQFP (20x14) |
| DATA CONVERTERS                  | A/D 8x8/10b                                                                                                                   |
| CORE SIZE                        | 16-Bit                                                                                                                        |
| CORE PROCESSOR                   | F <sup>2</sup> MC-16LX                                                                                                        |
| CONNECTIVITY                     | CANbus, EBI/EMI, SCI, Serial I/O, UART/USART                                                                                  |

Related Tags

|                                       |                                            |                                           |
|---------------------------------------|--------------------------------------------|-------------------------------------------|
| Cypress Semiconductor MB90F591APF-GE1 | MB90F591APF-GE1 Distributor                | MB90F591APF-GE1 Supplier                  |
| MB90F591APF-GE1 Price                 | MB90F591APF-GE1 Pictures                   | MB90F591APF-GE1 Image                     |
| MB90F591APF-GE1 PDF Datasheet         | MB90F591APF-GE1 Download Datasheet         | MB90F591APF-GE1 Datasheet                 |
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| Cypress Semiconductor MB90F591APF-GE1 | Cypress Semiconductor Supplier             | Cypress Semiconductor Distributor         |
| Cypress Semiconductor MB90F591APF-GE1 | Cypress Semiconductor Corp MB90F591APF-GE1 |                                           |

Related Products

|                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MB90F591APF-G</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 384KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>MB90F591GHZPFR-GS</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 384KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MB90F574APFV-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 256KB FLASH 120QFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MB90F583CPF-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MICROCONTROLLER<br/>In stock: Out stock<br/><div>RFQ</div></div>                  |
|  <div><b>MB90F591GHPFR-G</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 384KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>MB90F591APFR-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 384KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>MB90F583BPFR-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: MM MCU<br/>In stock: Out stock<br/><div>RFQ</div></div>                          |  <div><b>MB90F591GHZPFR-GSE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 384KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MB90F591APFR-G</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 384KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>MB90F591GHPFR-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 16BIT 384KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MB90F583BPMC-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: MM MCU<br/>In stock: Out stock<br/><div>RFQ</div></div>                          |  <div><b>MB90F583BPF-GE1</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MICROCONTROLLER<br/>In stock: Out stock<br/><div>RFQ</div></div>                  |