

MC9S08GT16CFBER



Part Number: [MC9S08GT16CFBER](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 16KB FLASH 44QFP

Data sheet:  [MC9S08GB,GT60,32,16](#)

RoHs Status: Lead free / RoHS Compliant

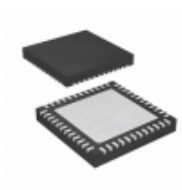
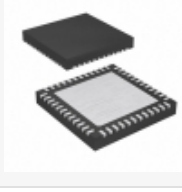
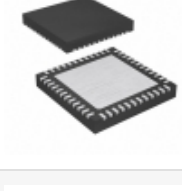
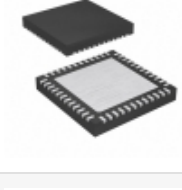
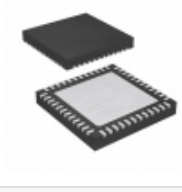
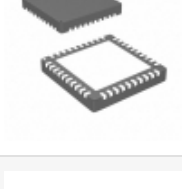
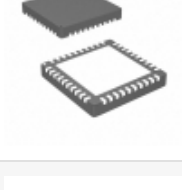
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                |                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MC9S08GT16CFBER                           | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 16KB FLASH 44QFP              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 24294 pcs                                 | Data sheet                     | <a href="#">MC9S08GB,GT60,32,16</a>                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.8 V ~ 3.6 V                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 44-QFP (10x10)                            | Speed                          | 40MHz                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | S08                                       | RAM Size                       | 1K x 8                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                     | Program Memory Size            | 16KB (16K x 8)                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LVD, POR, PWM, WDT                        | Packaging                      | Tape & Reel (TR)                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 44-QFP                                    | Oscillator Type                | Internal                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C (TA)                         | Number of I/O                  | 36                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                 |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                         | Detailed Description           | S08 S08 Microcontroller IC 8-Bit 40MHz 16KB (16K x 8) FLASH 44-QFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 8x10b                                 | Core Size                      | 8-Bit                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | S08                                       | Connectivity                   | I <sup>2</sup> C, SCI, SPI                                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MC9S08GT16                                |                                |                                                                            |
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|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">MC9S08GT16ACFBE</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08GT16CFDE</a><br>Description: IC MCU 8BIT 16KB FLASH 48QFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08GT16AMFBE</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08GT16ACFBER</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08GT16AMFCE</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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