

MC9S12GC32CFUE



Part Number: [MC9S12GC32CFUE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 32KB FLASH 80QFP

Data sheet:  [MC9S12C,GC Family](#)

RoHs Status: Lead free / RoHS Compliant

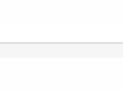
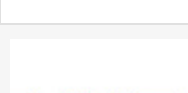
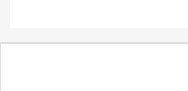
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MC9S12GC32CFUE                            | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 16BIT 32KB FLASH 80QFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 14804 pcs                                 | Data sheet                       | <a href="#">MC9S12C,GC Family</a>                                               |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.35 V ~ 5.5 V                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80-QFP (14x14)                            | Speed                            | 25MHz                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | HCS12                                     | RAM Size                         | 2K x 8                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size              | 32KB (32K x 8)                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | POR, PWM, WDT                             | Packaging                        | Tray                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 80-QFP                                    | Other Names                      | 568-13553<br>935322722557<br>MC9S12GC32CFUE-ND                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 60                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                   |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                      |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description             | HCS12 HCS12 Microcontroller IC 16-Bit 25MHz 32KB (32K x 8) FLASH 80-QFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 8x10b                                 | Core Size                        | 16-Bit                                                                          |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | HCS12                                     | Connectivity                     | EBI/EMI, SCI, SPI                                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MC9S12GC32                                |                                  |                                                                                 |
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|  | Part#: <a href="#">MC9S12GC16VFAE</a><br>Description: IC MCU 16BIT 16KB FLASH 48LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S12GC32MFAE</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S12GC128VPBE</a><br>Description: IC MCU 16BIT 128KB FLASH 52LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S12GC64MFUE</a><br>Description: IC MCU 16BIT 64KB FLASH 80QFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S12GC16CFAE</a><br>Description: IC MCU 16BIT 16KB FLASH 48LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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