



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

MC9S12GC96MFAE

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S12GC96MFAE                                                                                                       |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                       |
| Product description | IC MCU 16BIT 96KB FLASH 48LQFP                                                                                       |
| Datasheets:         |  <a href="#">MC9S12GC96MFAE.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant         |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Specifications of MC9S12GC96MFAE

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12GC96MFAE                                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                         |
| DESCRIPTION                      | IC MCU 16BIT 96KB FLASH 48LQFP                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                             |
| DATA SHEET                       |  <a href="#">MC9S12GC96MFAE.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.35 V ~ 5.5 V                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (7x7)                                                                                                          |
| SPEED                            | 25MHz                                                                                                                  |
| SERIES                           | HCS12                                                                                                                  |
| RAM SIZE                         | 4K x 8                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                  |
| PROGRAM MEMORY SIZE              | 96KB (96K x 8)                                                                                                         |
| PERIPHERALS                      | POR, PWM, WDT                                                                                                          |
| PACKAGING                        | Tray                                                                                                                   |
| PACKAGE / CASE                   | 48-LQFP                                                                                                                |
| OTHER NAMES                      | 935313572557                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                     |
| NUMBER OF I/O                    | 31                                                                                                                     |
| 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 96KB (96K x 8) FLASH 48-LQFP (7x7)                                         |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                              |
| CORE SIZE                        | 16-Bit                                                                                                                 |
| CORE PROCESSOR                   | HCS12                                                                                                                  |
| CONNECTIVITY                     | EBI/EMI, SCI, SPI                                                                                                      |
| BASE PART NUMBER                 | MC9S12GC96                                                                                                             |

Related Tags

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| NXP Semiconductors / Freescale MC9S12GC96MFAE | MC9S12GC96MFAE Distributor              | MC9S12GC96MFAE Supplier                           |
| MC9S12GC96MFAE Price                          | MC9S12GC96MFAE Pictures                 | MC9S12GC96MFAE Image                              |
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| Freescale Semiconductor - NXP MC9S12GC96MFAE  | NXP USA Inc. MC9S12GC96MFAE             |                                                   |

Related Products

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>MC9S12GC96CFAE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 48LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MC9S12GC96MPBER</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 52LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>MC9S12GC96MFUE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 80QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   | <div></div> <div><b>MC9S12GC96VPBE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 52LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>MC9S12GC96VPBER</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 52LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>MC9S12GC96CPBER</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 52LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>MC9S12GC96CFUE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 80QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   | <div></div> <div><b>MC9S12GC96CPBE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 52LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>MC9S12GC96MPBE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 52LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MC9S12GC64VFUE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 64KB FLASH 80QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MC9S12GC64MPBE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 64KB FLASH 52LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MC9S12GC96VFUE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 96KB FLASH 80QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |