

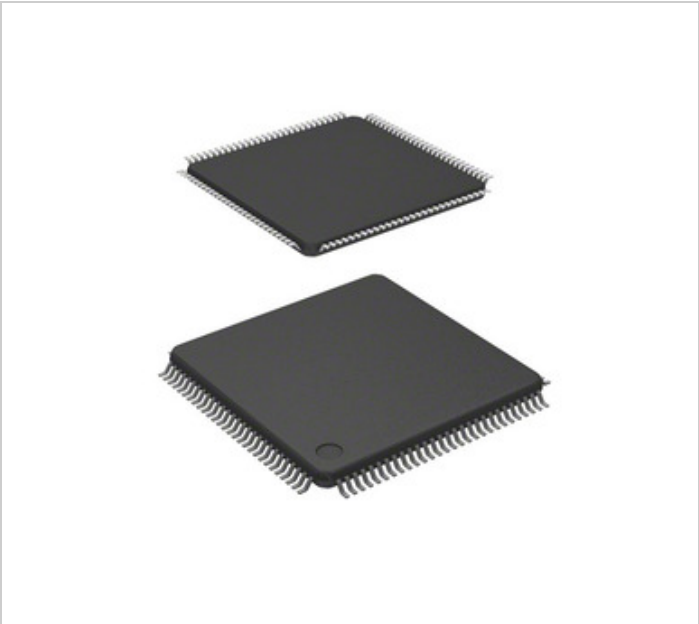


Image may be representation. See specifications for product details.

### MC9S12XDG128MAL

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S12XDG128MAL                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 16BIT 128KB FLASH 112LQFP                                                                             |
| Datasheets:         |  MC9S12XDG128MAL.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

#### Specifications of MC9S12XDG128MAL

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12XDG128MAL                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                          |
| DESCRIPTION                      | IC MCU 16BIT 128KB FLASH 112LQFP                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| DATA SHEET                       |  MC9S12XDG128MAL.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.35 V ~ 5.5 V                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 112-LQFP (20x20)                                                                                        |
| SPEED                            | 80MHz                                                                                                   |
| SERIES                           | HCS12X                                                                                                  |
| RAM SIZE                         | 12K x 8                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                   |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                        |
| PERIPHERALS                      | LVD, POR, PWM, WDT                                                                                      |
| PACKAGING                        | Tray                                                                                                    |
| PACKAGE / CASE                   | 112-LQFP                                                                                                |
| OTHER NAMES                      | 935325227557                                                                                            |
| OSCILLATOR TYPE                  | External                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                      |
| NUMBER OF I/O                    | 91                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| EEPROM SIZE                      | 2K x 8                                                                                                  |
| DETAILED DESCRIPTION             | HCS12X HCS12X Microcontroller IC 16-Bit 80MHz 128KB (128K x 8) FLASH 112-LQFP (20x20)                   |
| DATA CONVERTERS                  | A/D 16x10b                                                                                              |
| CORE SIZE                        | 16-Bit                                                                                                  |
| CORE PROCESSOR                   | HCS12X                                                                                                  |
| CONNECTIVITY                     | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, SCI, SPI                                               |
| BASE PART NUMBER                 | MC9S12XDG128                                                                                            |

#### Related Tags

|                                                |                                         |                                                    |
|------------------------------------------------|-----------------------------------------|----------------------------------------------------|
| NXP Semiconductors / Freescale MC9S12XDG128MAL | MC9S12XDG128MAL Distributor             | MC9S12XDG128MAL Supplier                           |
| MC9S12XDG128MAL Price                          | MC9S12XDG128MAL Pictures                | MC9S12XDG128MAL Image                              |
| MC9S12XDG128MAL PDF Datasheet                  | MC9S12XDG128MAL Download Datasheet      | MC9S12XDG128MAL Datasheet                          |
| MC9S12XDG128MAL Stock                          | Buy MC9S12XDG128MAL                     | Buy NXP Semiconductors / Freescale MC9S12XDG128MAL |
| NXP Semiconductors / Freescale MC9S12XDG128MAL | NXP Semiconductors / Freescale Supplier | NXP Semiconductors / Freescale Distributor         |
| NXP Semiconductors / Freescale MC9S12XDG128MAL | NXP Semiconductors MC9S12XDG128MAL      | Freescale MC9S12XDG128MAL                          |
| Freescale Semiconductor - NXP MC9S12XDG128MAL  | NXP USA Inc. MC9S12XDG128MAL            |                                                    |

#### Related Products

|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MC9S12XDG128MAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 128KB FLASH 80QFP<br/>In stock: Out stock<br/>RFQ</div>   |  <div><b>MC9S12XD64MAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 64KB FLASH 80QFP<br/>In stock: Out stock<br/>RFQ</div>     |
|  <div><b>MC9S12XD64CAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 64KB FLASH 80QFP<br/>In stock: Out stock<br/>RFQ</div>      |  <div><b>MC9S12XDP512VAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br/>In stock: 250 pcs<br/>RFQ</div>  |
|  <div><b>MC9S12XDG128CAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 128KB FLASH 80QFP<br/>In stock: Out stock<br/>RFQ</div>   |  <div><b>MC9S12XDP512MAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br/>In stock: 240 pcs<br/>RFQ</div>  |
|  <div><b>MC9S12XDP512CAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>MC9S12XD256VAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 112LQFP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>MC9S12XDG128CAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 128KB FLASH 112LQFP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>MC9S12XDP512CAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br/>In stock: 32 pcs<br/>RFQ</div>   |
|  <div><b>MC9S12XDP512MAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br/>In stock: 109 pcs<br/>RFQ</div>   |  <div><b>MC9S12XDP512VAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br/>In stock: 300 pcs<br/>RFQ</div>  |