

NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

MC9S12XDT512MAL

Part Number:

MC9S12XDT512MAL

Manufacturer/Brand:

NXP Semiconductors / Freescale

Product description

IC MCU 16BIT 512KB FLASH 112LQFP

Datasheets:

RoHs Status

 Lead free / RoHS Compliant

Stock Condition

3789 pcs stock

Ship From

Hong Kong

Shipment Way

DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

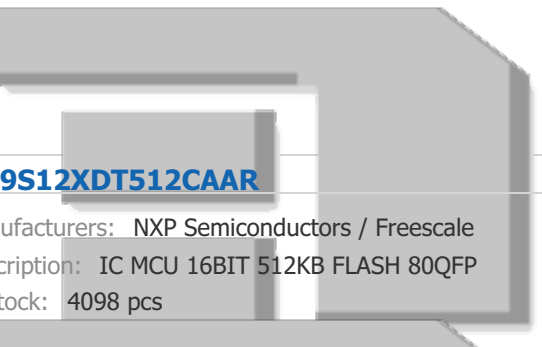
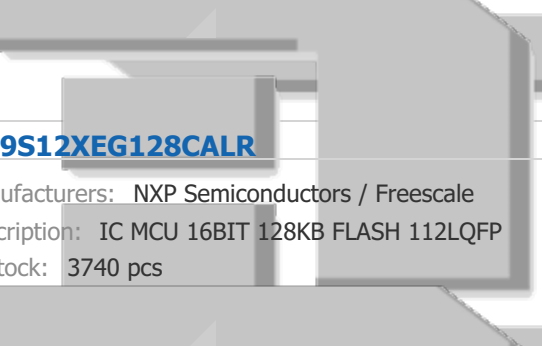
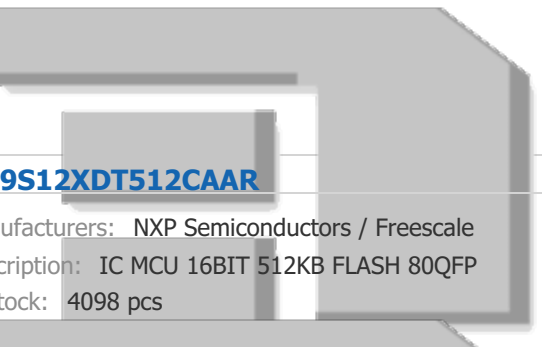
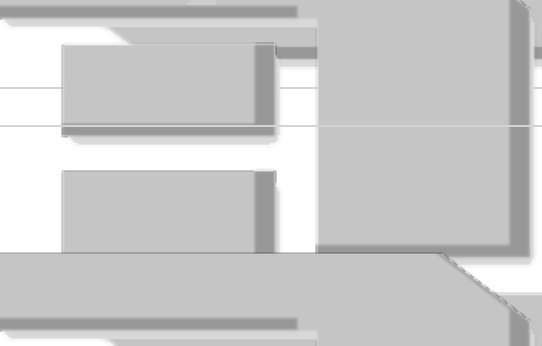
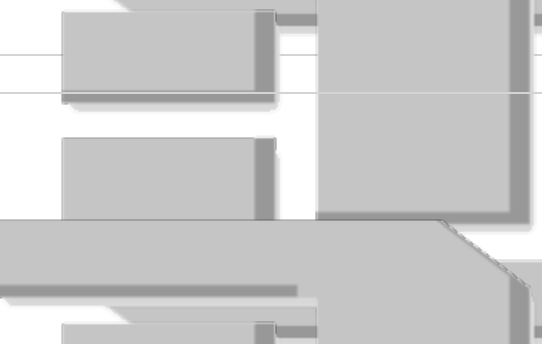
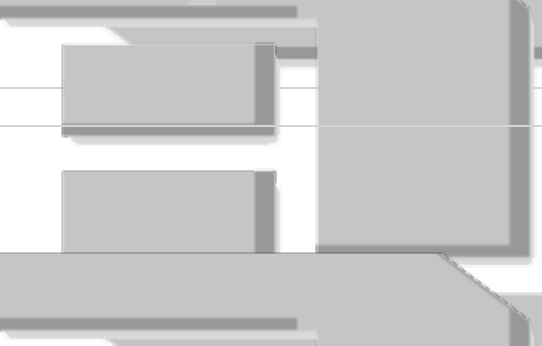
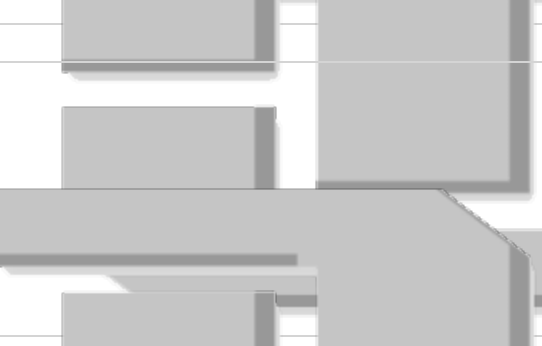
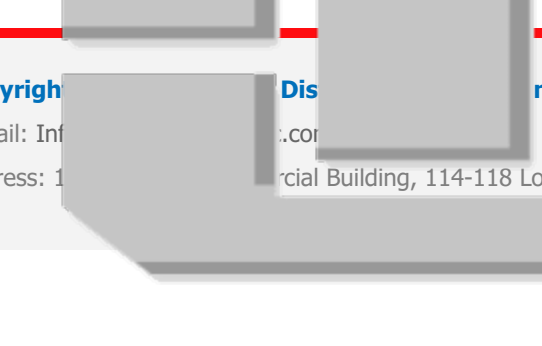
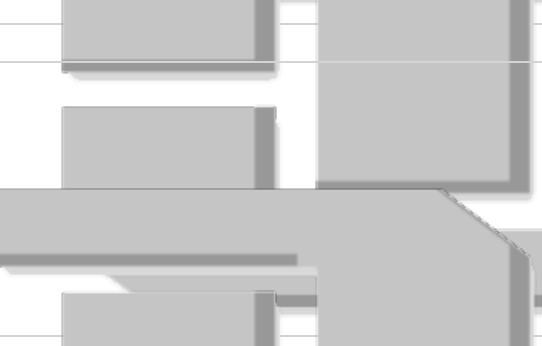
Specifications of MC9S12XDT512MAL

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12XDT512MAL                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | IC MCU 16BIT 512KB FLASH 112LQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 3789 pcs                                                                              |
| DATA SHEET                       |                                                                                       |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.35 V ~ 5.5 V                                                                        |
| SUPPLIER DEVICE PACKAGE          | 112-LQFP (20x20)                                                                      |
| SPEED                            | 80MHz                                                                                 |
| SERIES                           | HCS12X                                                                                |
| RAM SIZE                         | 20K x 8                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                 |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                      |
| PERIPHERALS                      | LVD, POR, PWM, WDT                                                                    |
| PACKAGING                        | Tray                                                                                  |
| PACKAGE / CASE                   | 112-LQFP                                                                              |
| OTHER NAMES                      | 935319104557                                                                          |
| 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                      | 4K x 8                                                                                |
| DETAILED DESCRIPTION             | HCS12X HCS12X Microcontroller IC 16-Bit 80MHz 512KB (512K 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                 | 9S12XDT512                                                                            |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MC9S12XDT512MAL               | MC9S12XDT512MAL Distributor        | MC9S12XDT512MAL Supplier  |
| MC9S12XDT512MAL Price         | MC9S12XDT512MAL Pictures           | MC9S12XDT512MAL Image     |
| MC9S12XDT512MAL PDF Datasheet | MC9S12XDT512MAL Download Datasheet | MC9S12XDT512MAL Datasheet |
| MC9S12XDT512MAL Stock         | Buy MC9S12XDT512MAL                | Buy MC9S12XDT512MAL       |
| MC9S12XDT512MAL               | Supplier                           | Distributor               |

Related Products

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>MC9S12XDT512CAAR</div> <div>Manufacturers: NXP Semiconductors / Freescale</div> <div>Description: IC MCU 16BIT 512KB FLASH 80QFP</div> <div>In stock: 4098 pcs</div>   |  <div>MC9S12XDT512CAL</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 112LQFP</div> <div>In stock: 3657 pcs</div> |  <div>MC9S12XDT512MAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 80QFP</div> <div>In stock: 3819 pcs</div>   |
|  <div>MC9S12XEG128CALR</div> <div>Manufacturers: NXP Semiconductors / Freescale</div> <div>Description: IC MCU 16BIT 128KB FLASH 112LQFP</div> <div>In stock: 3740 pcs</div> |  <div>MC9S12XDT512VAG</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 144LQFP</div> <div>In stock: 6018 pcs</div> |  <div>MC9S12XDT512MAG</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 144LQFP</div> <div>In stock: 4323 pcs</div> |
|  <div>MC9S12XDT512CAG</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 144LQFP</div> <div>In stock: 3183 pcs</div>                             |  <div>MC9S12XDT512CAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 80QFP</div> <div>In stock: 3279 pcs</div>   |  <div>MC9S12XDT512VAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 80QFP</div> <div>In stock: 6883 pcs</div>   |
|  <div>MC9S12XEG128CAL</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 128KB FLASH 112LQFP</div> <div>In stock: 10907 pcs</div>                            |  <div>MC9S12XEG128MAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 128KB FLASH 80QFP</div> <div>In stock: 8738 pcs</div>   |  <div>MC9S12XDT512VAL</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 112LQFP</div> <div>In stock: 3280 pcs</div> |

