

NXP Semiconductors / Freescale

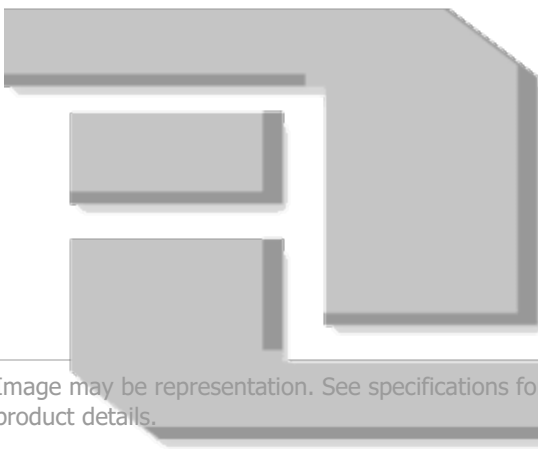


Image may be representation. See specifications for product details.

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S12XD128MAL                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 16BIT 128KB FLASH 112LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 8954 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

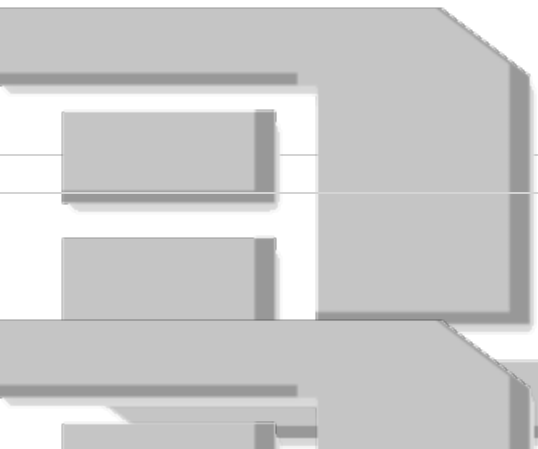
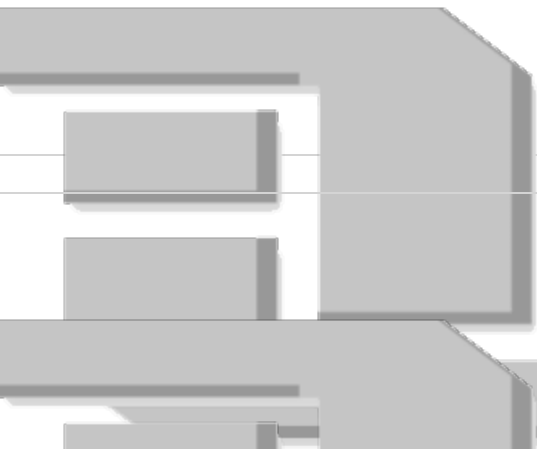
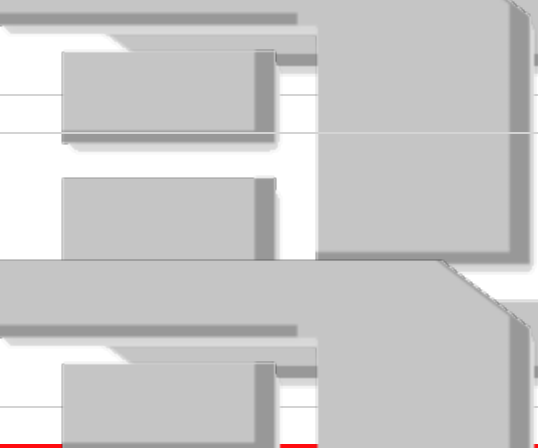
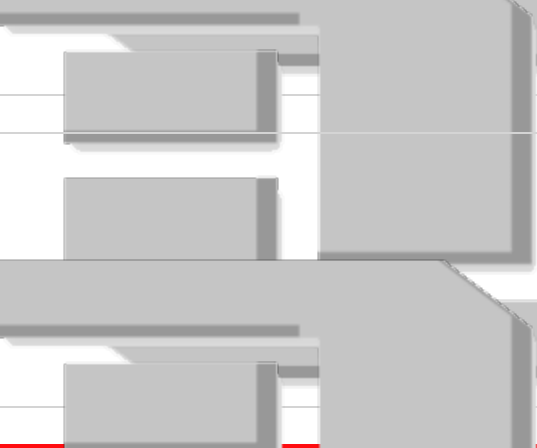
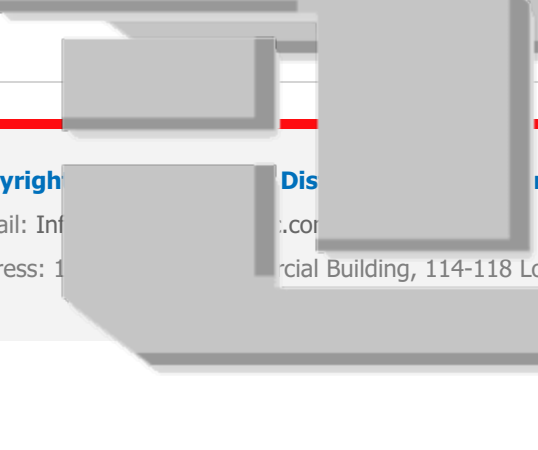
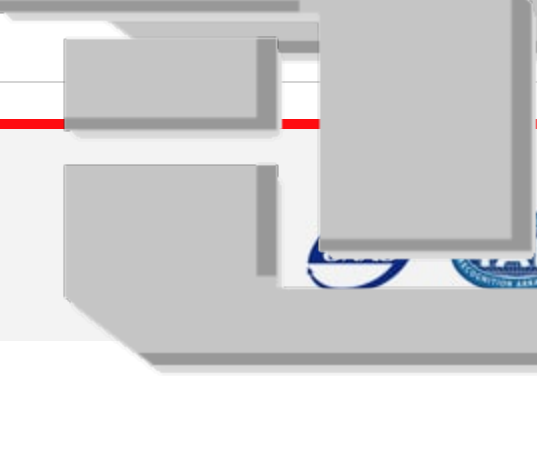
Specifications of MC9S12XD128MAL

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12XD128MAL                                                                        |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | IC MCU 16BIT 128KB FLASH 112LQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 8954 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                         | 8K 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                      | 935325431557                                                                          |
| 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                 | MC9S12XD128                                                                           |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| MC9S12XD128MAL               | MC9S12XD128MAL Distributor        | MC9S12XD128MAL Supplier  |
| MC9S12XD128MAL Price         | MC9S12XD128MAL Pictures           | MC9S12XD128MAL Image     |
| MC9S12XD128MAL PDF Datasheet | MC9S12XD128MAL Download Datasheet | MC9S12XD128MAL Datasheet |
| MC9S12XD128MAL Stock         | Buy MC9S12XD128MAL                | Buy MC9S12XD128MAL       |
| MC9S12XD128MAL               | Supplier                          | Distributor              |

Related Products

|                                                                                    |                                                                                                                                                               |                                                                                      |                                                                                                                                                               |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <div>MC9S12XD128CAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 128KB FLASH 80QFP</div> <div>In stock: 6346 pcs</div> <div>RFQ</div>   |  | <div>MC9S12XD256MAG</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 256KB FLASH 144LQFP</div> <div>In stock: 2900 pcs</div> <div>RFQ</div> |
|  | <div>MC9S12XD256MAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 256KB FLASH 80QFP</div> <div>In stock: 4510 pcs</div> <div>RFQ</div>   |  | <div>MC9S12XD256CAG</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 256KB FLASH 144LQFP</div> <div>In stock: 3802 pcs</div> <div>RFQ</div> |
|  | <div>MC9S12XA512VAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 80QFP</div> <div>In stock: 3486 pcs</div> <div>RFQ</div>   |  | <div>MC9S12XD256CAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 256KB FLASH 80QFP</div> <div>In stock: 4400 pcs</div> <div>RFQ</div>   |
|  | <div>MC9S12XD256CAL</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 256KB FLASH 112LQFP</div> <div>In stock: 4511 pcs</div> <div>RFQ</div> |  | <div>MC9S12XA512VAL</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 112LQFP</div> <div>In stock: 2989 pcs</div> <div>RFQ</div> |
|  | <div>MC9S12XB128MAA</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 128KB FLASH 80QFP</div> <div>In stock: 9422 pcs</div> <div>RFQ</div>   |  | <div>MC9S12XA512VAG</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 144LQFP</div> <div>In stock: 4140 pcs</div> <div>RFQ</div> |
|  | <div>MC9S12XA512CAL</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 512KB FLASH 112LQFP</div> <div>In stock: 5403 pcs</div> <div>RFQ</div> |  | <div>MC9S12XD256MAL</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 16BIT 256KB FLASH 112LQFP</div> <div>In stock: 6528 pcs</div> <div>RFQ</div> |

