

NXP Semiconductors / Freescale

S912XDP512F0MAL

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | S912XDP512F0MAL                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 16BIT 512KB FLASH 112LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 4317 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

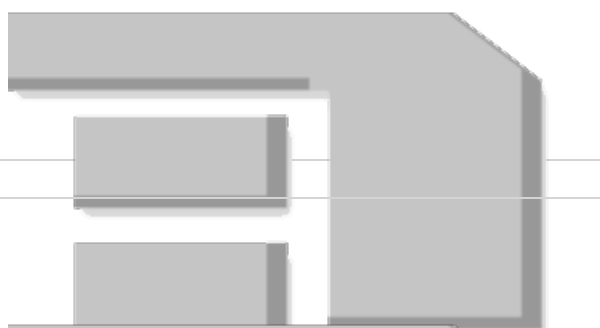
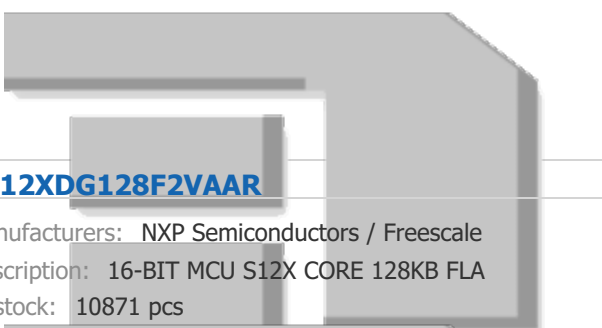
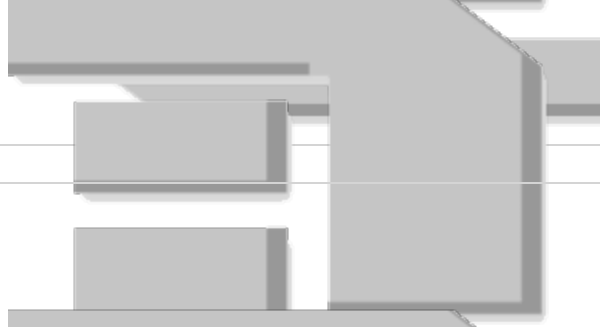
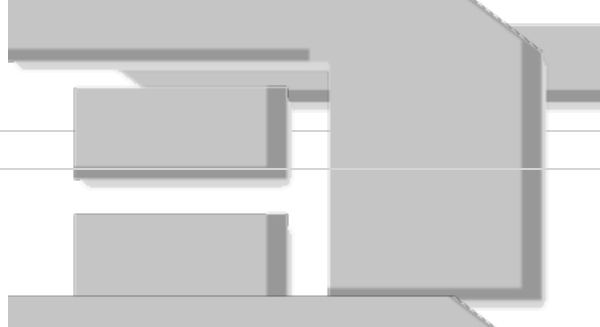
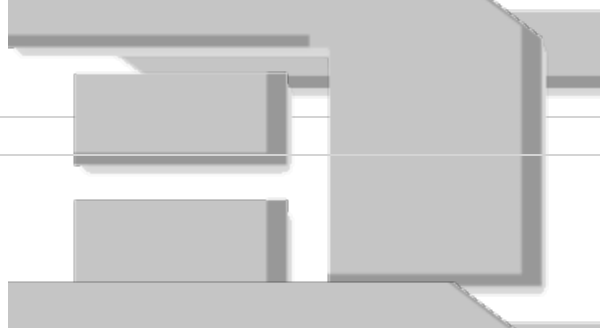
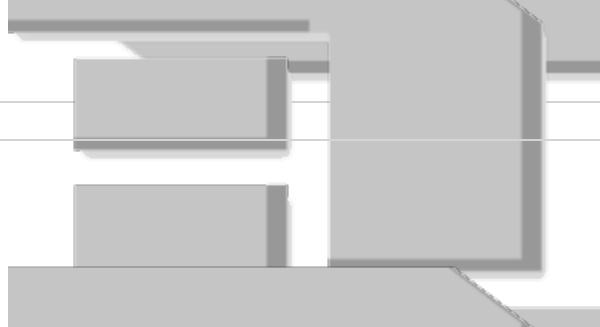
Specifications of S912XDP512F0MAL

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | S912XDP512F0MAL                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | IC MCU 16BIT 512KB FLASH 112LQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 4317 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                         | 32K 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                      | 935325496557                                                                          |
| 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 8x10b, 16x10b                                                                     |
| CORE SIZE                        | 16-Bit                                                                                |
| CORE PROCESSOR                   | HCS12X                                                                                |
| CONNECTIVITY                     | CANbus, I²C, SCI, SPI                                                                 |
| BASE PART NUMBER                 | S912XDP512                                                                            |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| S912XDP512F0MAL               | S912XDP512F0MAL Distributor        | S912XDP512F0MAL Supplier  |
| S912XDP512F0MAL Price         | S912XDP512F0MAL Pictures           | S912XDP512F0MAL Image     |
| S912XDP512F0MAL PDF Datasheet | S912XDP512F0MAL Download Datasheet | S912XDP512F0MAL Datasheet |
| S912XDP512F0MAL Stock         | Buy S912XDP512F0MAL                | Buy S912XDP512F0MAL       |
| S912XDP512F0MAL               | Supplier                           | Distributor               |

Related Products

|                                                                                      |                                                                                                                                                  |                                                                                                                                                                              |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>S912XDG256F1MAA</b></p> <p>Manufacturers: NXP</p> <p>Description: 16-BIT MCU S12X CORE 256KB FLA</p> <p>In stock: 6600 pcs</p> <p>RFQ</p>  |                                                                                          |
|    | <p><b>S912XDP512J1CAA</b></p> <p>Manufacturers: NXP</p> <p>Description: 3 CAN 512 FLASH 32K RAM</p> <p>In stock: 5371 pcs</p> <p>RFQ</p>         | <p><b>S912XDG128F2VAAR</b></p> <p>Manufacturers: NXP Semiconductors / Freescale</p> <p>Description: 16-BIT MCU S12X CORE 128KB FLA</p> <p>In stock: 10871 pcs</p> <p>RFQ</p> |
|    | <p><b>S912XDP512J0MAG</b></p> <p>Manufacturers: NXP</p> <p>Description: 16-BIT MCU S12X CORE 512KB FLA</p> <p>In stock: 4237 pcs</p> <p>RFQ</p>  | <p><b>S912XDG256F1MAAR</b></p> <p>Manufacturers: NXP Semiconductors / Freescale</p> <p>Description: 16-BIT MCU S12X CORE 256KB FLA</p> <p>In stock: 7704 pcs</p> <p>RFQ</p>  |
|    | <p><b>S912XDG128F2VAA</b></p> <p>Manufacturers: NXP</p> <p>Description: 16-BIT MCU S12X CORE 128KB FLA</p> <p>In stock: 8788 pcs</p> <p>RFQ</p>  | <p><b>S912XDP512J1CAL</b></p> <p>Manufacturers: NXP</p> <p>Description: 16-BIT MCU S12X CORE 512KB FLA</p> <p>In stock: 5801 pcs</p> <p>RFQ</p>                              |
|    | <p><b>S912XDP512J1CAG</b></p> <p>Manufacturers: NXP</p> <p>Description: 16-BIT MCU S12X CORE 512KB FLA</p> <p>In stock: 5002 pcs</p> <p>RFQ</p>  | <p><b>S912XDP512F0MAG</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 16BIT 512KB FLASH 144LQFP</p> <p>In stock: 4384 pcs</p> <p>RFQ</p>                            |
|    | <p><b>S912XDP512J1CAGR</b></p> <p>Manufacturers: NXP</p> <p>Description: 16-BIT MCU S12X CORE 512KB FLA</p> <p>In stock: 4801 pcs</p> <p>RFQ</p> | <p><b>S912XDG128F2VAL</b></p> <p>Manufacturers: NXP</p> <p>Description: 16-BIT MCU S12X CORE 128KB FLA</p> <p>In stock: 9668 pcs</p> <p>RFQ</p>                              |
|  | <p><b>S912XDP512J1CAAR</b></p> <p>Manufacturers: NXP</p> <p>Description: 3 CAN 512 FLASH 32K RAM</p> <p>In stock: 6395 pcs</p> <p>RFQ</p>        |                                                                                                                                                                              |