

NXP Semiconductors / Freescale

MC9S12XDP512CAL

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S12XDP512CAL                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 16BIT 512KB FLASH 112LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3413 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

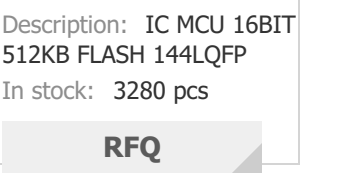
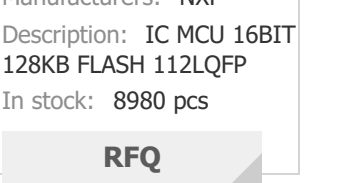
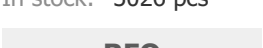
Specifications of MC9S12XDP512CAL

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12XDP512CAL                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | IC MCU 16BIT 512KB FLASH 112LQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 3413 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                      | 935313587557                                                                          |
| OSCILLATOR TYPE                  | External                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°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                 | MC9S12XDP512                                                                          |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MC9S12XDP512CAL               | MC9S12XDP512CAL Distributor        | MC9S12XDP512CAL Supplier  |
| MC9S12XDP512CAL Price         | MC9S12XDP512CAL Pictures           | MC9S12XDP512CAL Image     |
| MC9S12XDP512CAL PDF Datasheet | MC9S12XDP512CAL Download Datasheet | MC9S12XDP512CAL Datasheet |
| MC9S12XDP512CAL Stock         | Buy MC9S12XDP512CAL                | Buy MC9S12XDP512CAL       |
| MC9S12XDP512CAL               | Supplier                           | Distributor               |

Related Products

|                                                                                    |                                                                                                                                                                                                            |                                                                                      |                                                                                                                                                                                                            |                                                                                       |                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>MC9S12XDP512VAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br>In stock: 2994 pcs<br> |  | <b>MC9S12XDT256CAAR</b><br>Manufacturers: NXP Semiconductors / Freescale<br>Description: IC MCU 16BIT 256KB FLASH 80QFP<br>In stock: 3840 pcs                                                              |  | <b>MC9S12XDP512MAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br>In stock: 3280 pcs<br> |
|  | <b>MC9S12XDP512MAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br>In stock: 2916 pcs<br> |  | <b>MC9S12XDG128MAA</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 128KB FLASH 80QFP<br>In stock: 8712 pcs<br>   |  | <b>MC9S12XDG128CAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 128KB FLASH 112LQFP<br>In stock: 8980 pcs<br> |
|  | <b>MC9S12XDT256CAA</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 256KB FLASH 80QFP<br>In stock: 4077 pcs<br>   |  | <b>MC9S12XD64MAA</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 64KB FLASH 80QFP<br>In stock: 10999 pcs<br>   |  | <b>MC9S12XDP512VAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br>In stock: 3026 pcs<br> |
|  | <b>MC9S12XDG128MAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 128KB FLASH 112LQFP<br>In stock: 8847 pcs<br> |  | <b>MC9S12XDP512CAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br>In stock: 3319 pcs<br> |  | <b>MC9S12XDG128CAA</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 128KB FLASH 80QFP<br>In stock: 7139 pcs<br>   |