



NXP Semiconductors / Freescale



MC9S12XDT256VAA

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S12XDT256VAA                                                                                                       |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                        |
| Product description | IC MCU 16BIT 256KB FLASH 80QFP                                                                                        |
| Datasheets:         |  <a href="#">MC9S12XDT256VAA.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant          |
| Ship From           | Hong Kong                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                 |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

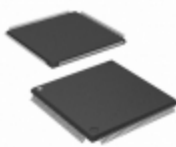
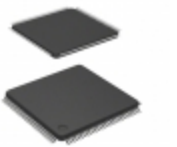
Specifications of MC9S12XDT256VAA

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12XDT256VAA                                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                          |
| DESCRIPTION                      | IC MCU 16BIT 256KB FLASH 80QFP                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| DATA SHEET                       |  <a href="#">MC9S12XDT256VAA.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.35 V ~ 5.5 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 80-QFP (14x14)                                                                                                          |
| SPEED                            | 80MHz                                                                                                                   |
| SERIES                           | HCS12X                                                                                                                  |
| RAM SIZE                         | 16K x 8                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                   |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                        |
| PERIPHERALS                      | LVD, POR, PWM, WDT                                                                                                      |
| PACKAGING                        | Tray                                                                                                                    |
| PACKAGE / CASE                   | 80-QFP                                                                                                                  |
| OTHER NAMES                      | 935322673557                                                                                                            |
| OSCILLATOR TYPE                  | External                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                      |
| NUMBER OF I/O                    | 59                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                           |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| EEPROM SIZE                      | 4K x 8                                                                                                                  |
| DETAILED DESCRIPTION             | HCS12X HCS12X Microcontroller IC 16-Bit 80MHz 256KB (256K x 8) FLASH 80-QFP (14x14)                                     |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                               |
| CORE SIZE                        | 16-Bit                                                                                                                  |
| CORE PROCESSOR                   | HCS12X                                                                                                                  |
| CONNECTIVITY                     | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, SCI, SPI                                                               |
| BASE PART NUMBER                 | MC9S12XDT256                                                                                                            |

Related Tags

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| Freescale Semiconductor - NXP MC9S12XDT256VAA  | NXP USA Inc. MC9S12XDT256VAA            |                                                    |

Related Products

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                      |
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|  <div><b>MC9S12XDT256VAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MC9S12XDT256CAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 112LQFP<br/>In stock: 870 pcs<br/><div>RFQ</div></div>   |
|  <div><b>MC9S12XDT512CAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 80QFP<br/>In stock: 413 pcs<br/><div>RFQ</div></div>     |  <div><b>MC9S12XDT256VAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 112LQFP<br/>In stock: 692 pcs<br/><div>RFQ</div></div>   |
|  <div><b>MC9S12XDT512CAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br/>In stock: 466 pcs<br/><div>RFQ</div></div>   |  <div><b>MC9S12XDT256MAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 80QFP<br/>In stock: 4 pcs<br/><div>RFQ</div></div>       |
|  <div><b>MC9S12XDT512CAAR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 80QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>MC9S12XDT256CAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MC9S12XDT256CAAR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 80QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>MC9S12XDT256MAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 112LQFP<br/>In stock: 97 pcs<br/><div>RFQ</div></div>    |
|  <div><b>MC9S12XDT512CAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br/>In stock: 287 pcs<br/><div>RFQ</div></div>   |  <div><b>MC9S12XDT256MAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |