

MC9S12DB128BCPV



Part Number: [MC9S12DB128BCPV](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 128KB FLASH 112LQFP

Data sheet:  [MC9S12DT128B Guide](#)

RoHs Status: Contains lead / RoHS non-compliant

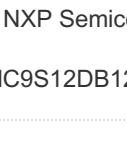
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | MC9S12DB128BCPV                           | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 16BIT 128KB FLASH 112LQFP          | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 5522 pcs                                  | Data sheet                     | <a href="#">MC9S12DT128B Guide</a>                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.35 V ~ 5.25 V                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 112-LQFP (20x20)                          | Speed                          | 25MHz                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | HCS12                                     | RAM Size                       | 8K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                     | Program Memory Size            | 128KB (128K x 8)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | PWM, WDT                                  | Packaging                      | Tray                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 112-LQFP                                  | Oscillator Type                | Internal                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C (TA)                         | Number of I/O                  | 91                                                                                  |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                          | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                  |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                               | 2K x 8                                    | Detailed Description           | HCS12 HCS12 Microcontroller IC 16-Bit 25MHz 128KB (128K x 8) FLASH 112-LQFP (20x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 16x10b                                | Core Size                      | 16-Bit                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                            | HCS12                                     | Connectivity                   | CANbus, I <sup>2</sup> C, SCI, SPI                                                  |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                          | MC9S12DB128                               |                                |                                                                                     |
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| RELATED PRODUCTS                                                                   |                                               |                                                               |     |
|------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|-----|
|  | Part#: <a href="#">MC9S12D64MPV</a>           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 112LQFP  |                                                               |     |
|  | Part#: <a href="#">MC9S12D64MPVE</a>          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 112LQFP  |                                                               |     |
|  | Part#: <a href="#">MC9S12DG128CFUER</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 80QFP   |                                                               |     |
|  | Part#: <a href="#">MC9S12D64VFU</a>           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 80QFP    |                                                               |     |
|  | Part#: <a href="#">MC9S12D64MFUE</a>          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 80QFP    |                                                               |     |
|  | Part#: <a href="#">MC9S12DB128CPVE</a>        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 112LQFP |                                                               |     |
|  | Part#: <a href="#">MC9S12D64CFUER</a>         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 80QFP    |                                                               |     |
|  | Part#: <a href="#">MC9S12DG128BCFU</a>        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 80QFP   |                                                               |     |
|  | Part#: <a href="#">MC9S12DG128CFUE</a>        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 80QFP   |                                                               |     |
|  | Part#: <a href="#">MC9S12DB128CFUE</a>        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 80QFP   |                                                               |     |
|  | Part#: <a href="#">MC9S12DB128VPVE</a>        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 112LQFP |                                                               |     |
|  | Part#: <a href="#">MC9S12DB128CPVER</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 112LQFP |                                                               |     |
|  | Part#: <a href="#">MC9S12D64VPVE</a>          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 112LQFP  |                                                               |     |
|  | Part#: <a href="#">MC9S12D64MFU</a>           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 80QFP    |                                                               |     |
|  | Part#: <a href="#">MC9S12DB128CPV</a>         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 112LQFP |                                                               |     |
|  | Part#: <a href="#">MC9S12D64CPVE</a>          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 112LQFP  |                                                               |     |
|  | Part#: <a href="#">MC9S12D64VFUE</a>          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 80QFP    |                                                               |     |
|  | Part#: <a href="#">MC9S12D64VPVER</a>         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 64KB FLASH 112LQFP  |                                                               |     |
|  | Part#: <a href="#">MC9S12DG128BCPV</a>        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 112LQFP |                                                               |     |
|  | Part#: <a href="#">MC9S12DB128MPVE</a>        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|                                                                                    | Description: IC MCU 16BIT 128KB FLASH 112LQFP |                                                               |     |

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|                                      |                                    | MC9S12DB128BCPV                    |                              |