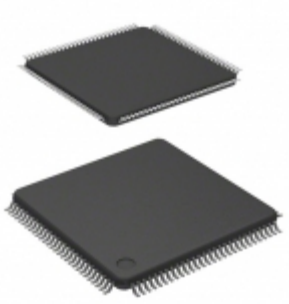


S912XEG128BCALR



Part Number: [S912XEG128BCALR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: 16-BIT MCU S12X CORE 128KB FLA

Data sheet:

RoHs Status:

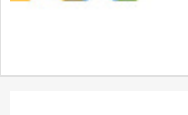
Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                  |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | S912XEG128BCALR                           | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16-BIT MCU S12X CORE 128KB FLA            | Lead Free Status / RoHS Status   |                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12912 pcs                                 | Data sheet                       |                                                                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.72 V ~ 5.5 V                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 112-LQFP (20x20)                          | Speed                            | 50MHz                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HCS12X                                    | RAM Size                         | 12K x 8                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                     | Program Memory Size              | 128KB (128K x 8)                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LVD, POR, PWM, WDT                        | Packaging                        | Tape & Reel (TR)                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 112-LQFP                                  | Other Names                      | 935320417528                                                                          |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | External                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 91                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2K x 8                                    | Detailed Description             | HCS12X HCS12X Microcontroller IC 16-Bit 50MHz 128KB (128K x 8) FLASH 112-LQFP (20x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 16x12b                                | Core Size                        | 16-Bit                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HCS12X                                    | Connectivity                     | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, SCI, SPI                                     |
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|  | Part#: <a href="#">S912XEG128J2CAAR</a><br>Description: 16-BIT MCU S12X CORE 128KB FLA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912XEA128J2CAA</a><br>Description: IC MCU 16BIT 128KB FLASH 80QFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912XDT512J1VAAR</a><br>Description: 16-BIT MCU S12X CORE 512KB FLA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S912XEA128J2MAA</a><br>Description: IC MCU 16BIT 128KB FLASH 80QFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912XEA128BCAA</a><br>Description: 16-BIT MCU S12X CORE 128KB FLA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S912XEG128J1MAA</a><br>Description: 16-BIT MCU S12X CORE 128KB FLA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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