

S9S12G128F0CLLR



Part Number: [S9S12G128F0CLLR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 128KB FLASH 100LQFP

Data sheet:  [S12G Family Fact Sheet](#)  
 [MC9S12G Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                    |                                  |                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | S9S12G128F0CLLR                                                                    | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 16BIT 128KB FLASH 100LQFP                                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                         | 30240 pcs                                                                          | Data sheet                       | <a href="#">S12G Family Fact Sheet</a><br><a href="#">MC9S12G Family Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                                          | Voltage - Supply (Vcc/Vdd)       | 3.13 V ~ 5.5 V                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                    | 100-LQFP (14x14)                                                                   | Speed                            | 25MHz                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                     | HCS12                                                                              | RAM Size                         | 8K x 8                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                                                              | Program Memory Size              | 128KB (128K x 8)                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                | LVD, POR, PWM, WDT                                                                 | Packaging                        | Tape & Reel (TR)                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                             | 100-LQFP                                                                           | Other Names                      | 935322126528                                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                                                           | Operating Temperature            | -40°C ~ 85°C (TA)                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                              | 86                                                                                 | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                                                         | EEPROM Size                      | 4K x 8                                                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                       | 12V1 HCS12 Microcontroller IC 16-Bit 25MHz 128KB (128K x 8) FLASH 100-LQFP (14x14) | Data Converters                  | A/D 12x10b                                                                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16-Bit                                                                             | Core Processor                   | 12V1                                                                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                               | CANbus, IrDA, LINbus, SCI, SPI                                                     | Base Part Number                 | S9S12G128                                                                          |
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