

S9S12GN32BCLCR



Part Number: [S9S12GN32BCLCR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: 16-BIT32K FLASH2K RAM

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

RoHs Status:

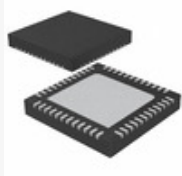
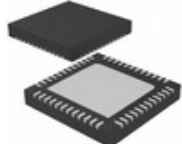
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                               |                                |                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | S9S12GN32BCLCR                                                                | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16-BIT32K FLASH2K RAM                                                         | Lead Free Status / RoHS Status |                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 51333 pcs                                                                     | Data sheet                     | <a href="#">S12G Family Fact Sheet</a>         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                     | Voltage - Supply (Vcc/Vdd)     | 3.13 V ~ 5.5 V                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32-LQFP (7x7)                                                                 | Speed                          | 25MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | HCS12                                                                         | RAM Size                       | 2K x 8                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                         | Program Memory Size            | 32KB (32K x 8)                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LVD, POR, PWM, WDT                                                            | Packaging                      | Tape & Reel (TR)                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32-LQFP                                                                       | Other Names                    | 935363181528                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                                      | Operating Temperature          | -40°C ~ 85°C (TA)                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 26                                                                            | EEPROM Size                    | 1K x 8                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12V1 HCS12 Microcontroller IC 16-Bit 25MHz 32KB (32K x 8) FLASH 32-LQFP (7x7) | Data Converters                | A/D 8x10b                                      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 16-Bit                                                                        | Core Processor                 | 12V1                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IrDA, LINbus, SCI, SPI                                                        |                                |                                                |
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|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">S9S12GN32BMTJ</a><br>Description: 16-BIT32K FLASH2K RAM           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32ACLF</a><br>Description: 16-BIT32K FLASH2K RAM           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32AVLFR</a><br>Description: 16-BIT32K FLASH2K RAM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32BVTJR</a><br>Description: 16-BIT32K FLASH2K RAM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32BVLC</a><br>Description: 16-BIT32K FLASH2K RAM           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32AVFTR</a><br>Description: 16-BIT32K FLASH2K RAM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32AVLF</a><br>Description: 16-BIT32K FLASH2K RAM           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32BMLC</a><br>Description: 16-BIT32K FLASH2K RAM           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32F0CFTR</a><br>Description: IC MCU 16BIT 32KB FLASH 48QFN | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32BMLCR</a><br>Description: 16-BIT32K FLASH2K RAM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32AMLF</a><br>Description: 16-BIT32K FLASH2K RAM           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32F0CLF</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32BVLCR</a><br>Description: 16-BIT32K FLASH2K RAM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32F0CFT</a><br>Description: IC MCU 16BIT 32KB FLASH 48QFN  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32ACLFR</a><br>Description: 16-BIT32K FLASH2K RAM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32AMFT</a><br>Description: 16-BIT32K FLASH2K RAM           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32AMLFR</a><br>Description: 16-BIT32K FLASH2K RAM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S9S12GN32BVTJ</a><br>Description: 16-BIT32K FLASH2K RAM           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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