

R5F212G4SNFP#W4



**Part Number:** [R5F212G4SNFP#W4](#)

**Manufacturer:** [Renesas Electronics America](#)

**Description:** IC MCU 16BIT 16KB FLASH 32LQFP

**Data sheet:**  [R8C/2G Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                |                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F212G4SNFP#W4                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 16BIT 16KB FLASH 32LQFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                  | 4552 pcs                                  | Data sheet                     | <a href="#">R8C/2G Datasheet</a>                                                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.2 V ~ 5.5 V                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                             | 32-LQFP (7x7)                             | Speed                          | 8MHz                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                              | R8C/2x/2G                                 | RAM Size                       | 512 x 8                                                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                     | Program Memory Size            | 16KB (16K x 8)                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                         | POR, PWM, Voltage Detect, WDT             | Packaging                      | Tape & Reel (TR)                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                      | 32-LQFP                                   | Oscillator Type                | Internal                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                               | -20°C ~ 85°C (TA)                         | Number of I/O                  | 27                                                                              |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                      |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Detailed Description           | R8C R8C/2x/2G Microcontroller IC 16-Bit 8MHz 16KB (16K x 8) FLASH 32-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | Core Size                      | 16-Bit                                                                          |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                      | R8C                                       | Connectivity                   | LINbus, SIO, UART/USART                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                    | R5F212G                                   |                                |                                                                                 |
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