

R5F212H1SNSP#U0



**Part Number:** [R5F212H1SNSP#U0](#)

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

**Description:** IC MCU 16BIT 4KB FLASH 20LSSOP

**Data sheet:**  [R8C/2H,2J Datasheet](#)  
 [R8C/2H,2J Hardware Manual](#)

**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                                                                                                                                                                                                                                                                                                                                                                                                                          | R5F212H1SNSP#U0                                                          | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 16BIT 4KB FLASH 20LSSOP                                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                   | 79460 pcs                                                                | Data sheet                       | <a href="#">R8C/2H,2J Datasheet</a><br><a href="#">R8C/2H,2J Hardware Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a>                                | Voltage - Supply (Vcc/Vdd)       | 2.2 V ~ 5.5 V                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                              | 20-LSSOP                                                                 | Speed                            | 8MHz                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                               | R8C/2x/2H                                                                | RAM Size                         | 256 x 8                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                  | FLASH                                                                    | Program Memory Size              | 4KB (4K x 8)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                          | POR, PWM, Voltage Detect, WDT                                            | Packaging                        | Tube                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                       | 20-LSSOP (0.173", 4.40mm Width)                                          | Other Names                      | R5F212H1SNSP#V0<br>R5F212H1SNSP#V0-ND                                            |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                      | Internal                                                                 | Operating Temperature            | -20°C ~ 85°C (TA)                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                        | 15                                                                       | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                       | Lead free / RoHS Compliant                                               | EEPROM Size                      | -                                                                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                 | R8C R8C/2x/2H Microcontroller IC 16-Bit 8MHz 4KB (4K x 8) FLASH 20-LSSOP | Data Converters                  | -                                                                                |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                            | 16-Bit                                                                   | Core Processor                   | R8C                                                                              |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                         | LINbus, SIO, UART/USART                                                  | Base Part Number                 | R5F212H                                                                          |
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