

R5F21276SNFP#X6



**Part Number:** [R5F21276SNFP#X6](#)

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

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

**Data sheet:**  [R8C/26,27 Hardware Manual](#)  
 [R8C/26,27 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F21276SNFP#X6                                                                  | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 16BIT 32KB FLASH 32LQFP                                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 26421 pcs                                                                        | Data sheet                       | <a href="#">R8C/26,27 Hardware Manual</a><br><a href="#">R8C/26,27 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                            | 20MHz                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R8C/2x/27                                                                        | RAM Size                         | 1.5K x 8                                                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                                                            | Program Memory Size              | 32KB (32K x 8)                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LED, POR, Voltage Detect, WDT                                                    | Packaging                        | Cut Tape (CT)                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 32-LQFP                                                                          | Other Names                      | R5F21276SNFP#X6CT                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Internal                                                                         | Operating Temperature            | -20°C ~ 85°C (TA)                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 25                                                                               | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                                                       | EEPROM Size                      | 2K x 8                                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R8C R8C/2x/27 Microcontroller IC 16-Bit 20MHz 32KB (32K x 8) FLASH 32-LQFP (7x7) | Data Converters                  | A/D 12x10b                                                                       |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16-Bit                                                                           | Core Processor                   | R8C                                                                              |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IPC, LINbus, SIO, SSU, UART/USART                                                | Base Part Number                 | R5F2127                                                                          |
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|  | Part#: <a href="#">R5F21284JSP#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 20LSSOP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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