

R5F212A8SNFP#X6



Part Number: [R5F212A8SNFP#X6](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 64KB FLASH 64LFQFP

Data sheet:  [R8C/2A/2B Datasheet](#)  
 [R8C/2A/2B Hardware Manual](#)

RoHs Status: Lead free / RoHS Compliant

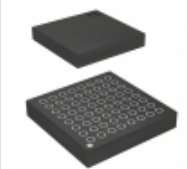
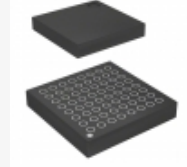
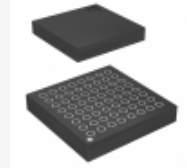
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F212A8SNFP#X6                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 64KB FLASH 64LFQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4525 pcs                                  | Data sheet                     | <a href="#">R8C/2A/2B Datasheet</a><br><a href="#">R8C/2A/2B Hardware Manual</a>    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.2 V ~ 5.5 V                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 64-LFQFP (10x10)                          | Speed                          | 20MHz                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | R8C/2x/2A                                 | RAM Size                       | 3K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 64KB (64K x 8)                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | POR, PWM, Voltage Detect, WDT             | Packaging                      | Tray                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-LQFP                                   | Oscillator Type                | Internal                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -20°C ~ 85°C (TA)                         | Number of I/O                  | 55                                                                                  |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description           | R8C R8C/2x/2A Microcontroller IC 16-Bit 20MHz 64KB (64K x 8) FLASH 64-LFQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 12x10b; D/A 2x8b                      | Core Size                      | 16-Bit                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | R8C                                       | Connectivity                   | I <sup>2</sup> C, LINbus, SIO, SSU, UART/USART                                      |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F212A8                                  |                                |                                                                                     |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Renesas Electronics America series electronic components. We have 4525 pieces of Renesas Electronics America R5F212A8SNFP#X6 in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                |                                                                                     |

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|  | Part#: <a href="#">R5F212ACSDFP#X6</a><br>Description: IC MCU 16BIT 128KB FLASH 64LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F212A7SNLG#W4</a><br>Description: IC MCU 16BIT 48KB FLASH 64TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F212AASDFA#V2</a><br>Description: IC MCU 16BIT 96KB FLASH 64LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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