

R5F211B1DSP#U0



**Part Number:** [R5F211B1DSP#U0](#)

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

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

**Data sheet:**  [R8C/1A,B Hardware Manual](#)  
 [R8C/1A, R8C/1B Group 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F211B1DSP#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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 37386 pcs                                 | Data sheet                     | <a href="#">R8C/1A,B Hardware Manual</a><br><a href="#">R8C/1A, R8C/1B Group Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20-LSSOP                                  | Speed                          | 20MHz                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | R8C/1x/1B                                 | RAM Size                       | 384 x 8                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 4KB (4K x 8)                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LED, POR, Voltage Detect, WDT             | Packaging                      | Tube                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20-LSSOP (0.173", 4.40mm Width)           | Oscillator Type                | Internal                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 13                                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                 |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description           | R8C R8C/1x/1B Microcontroller IC 16-Bit 20MHz 4KB (4K x 8) FLASH 20-LSSOP                  |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 4x10b                                 | Core Size                      | 16-Bit                                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | R8C                                       | Connectivity                   | PC, SIO, SSU, UART/USART                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F211B                                   |                                |                                                                                            |
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|  | Part#: <a href="#">R5F211A2NP#U0</a><br>Description: IC MCU 16BIT 8KB FLASH 28HWQFN   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F211A2SP#U0</a><br>Description: IC MCU 16BIT 8KB FLASH 20LSSOP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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