

R5F21182DSP#U0



**Part Number:** [R5F21182DSP#U0](#)

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

**Description:** IC MCU 16BIT 8KB FLASH 20LSSOP

**Data sheet:**  [R8C/18, R8C/19 Group Datasheet](#)  
 [R8C/18, R8C/19 Hardware Manual](#)

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

**Ship From:** Hong Kong

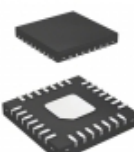
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| PRODUCT PARAMETER              |                                                                           |                                  |                                                                                                  |
|--------------------------------|---------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                    | R5F21182DSP#U0                                                            | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                                      |
| Description                    | IC MCU 16BIT 8KB FLASH 20LSSOP                                            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                       |
| Quantity Available             | 4816 pcs                                                                  | Data sheet                       | <a href="#">R8C/18, R8C/19 Group Datasheet</a><br><a href="#">R8C/18, R8C/19 Hardware Manual</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/18                                                                 | RAM Size                         | 512 x 8                                                                                          |
| Program Memory Type            | FLASH                                                                     | Program Memory Size              | 8KB (8K x 8)                                                                                     |
| Peripherals                    | LED, POR, Voltage Detect, WDT                                             | Packaging                        | Tube                                                                                             |
| Package / Case                 | 20-LSSOP (0.173", 4.40mm Width)                                           | Other Names                      | R5F21182DSP#V0<br>R5F21182DSP#V0-ND                                                              |
| Oscillator Type                | Internal                                                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                |
| Number of I/O                  | 13                                                                        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                    |
| Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                | EEPROM Size                      | -                                                                                                |
| Detailed Description           | R8C R8C/1x/18 Microcontroller IC 16-Bit 20MHz 8KB (8K x 8) FLASH 20-LSSOP | Data Converters                  | A/D 4x1b                                                                                         |
| Core Size                      | 16-Bit                                                                    | Core Processor                   | R8C                                                                                              |
| Connectivity                   | SIO, UART/USART                                                           | Base Part Number                 | R5F21182                                                                                         |

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|  | Part#: <a href="#">R5F21172SP#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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