

R5F21194SP#U0



Part Number: [R5F21194SP#U0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 16KB FLASH 20LSSOP

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

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                             |                                  |                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | R5F21194SP#U0                                                               | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IC MCU 16BIT 16KB FLASH 20LSSOP                                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5792 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/19                                                                   | RAM Size                         | 1K x 8                                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FLASH                                                                       | Program Memory Size              | 16KB (16K x 8)                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LED, POR, Voltage Detect, WDT                                               | Packaging                        | Tube                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20-LSSOP (0.173", 4.40mm Width)                                             | Other Names                      | R5F21194SP#V0<br>R5F21194SP#V0-ND                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Internal                                                                    | Operating Temperature            | -20°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/19 Microcontroller IC 16-Bit 20MHz 16KB (16K x 8) FLASH 20-LSSOP | Data Converters                  | A/D 4x1b                                                                                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16-Bit                                                                      | Core Processor                   | R8C                                                                                              |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SIO, UART/USART                                                             | Base Part Number                 | R5F21194                                                                                         |
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