

R5F21321CDSP#U0



**Part Number:** [R5F21321CDSP#U0](#)

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

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

**Data sheet:**  [R8C/32C Group Datasheet](#)  
 [R8C/32C Hardware Manual](#)

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F21321CDSP#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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 53577 pcs                                                                  | Data sheet                       | <a href="#">R8C/32C Group Datasheet</a><br><a href="#">R8C/32C Hardware Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a>                                  | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 5.5 V                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20-LSSOP                                                                   | Speed                            | 20MHz                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R8C/3x/32C                                                                 | RAM Size                         | 512 x 8                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                                                      | Program Memory Size              | 4KB (4K x 8)                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | POR, PWM, Voltage Detect, WDT                                              | Packaging                        | Tube                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20-LSSOP (0.173", 4.40mm Width)                                            | Other Names                      | R5F21321CDSP#V0<br>R5F21321CDSP#V0-ND<br>R5F21321CDSPU0                            |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Internal                                                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15                                                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                                                 | EEPROM Size                      | -                                                                                  |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R8C R8C/3x/32C 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | I <sup>2</sup> C, LINbus, SIO, SSU, UART/USART                             | Base Part Number                 | R5F21321                                                                           |
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