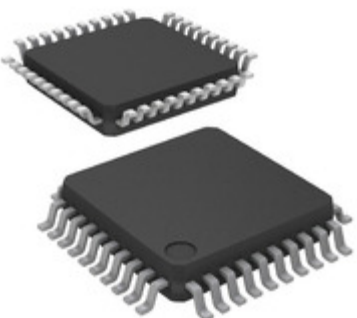


R5F212K4SDFP#X6



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Part Number: [R5F212K4SDFP#X6](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 16KB FLASH 32LQFP

Data sheet:  [R8C/2K,2L Datasheet](#)  
 [R8C/2K,2L Hardware Manual](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F212K4SDFP#X6                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 16KB FLASH 32LQFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5840 pcs                                  | Data sheet                     | <a href="#">R8C/2K,2L Datasheet</a><br><a href="#">R8C/2K,2L Hardware Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.2 V ~ 5.5 V                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-LQFP (7x7)                             | Speed                          | 20MHz                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | R8C/2x/2K                                 | RAM Size                       | 1.5K x 8                                                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 16KB (16K x 8)                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | POR, PWM, Voltage Detect, WDT             | Packaging                      | Tape & Reel (TR)                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-LQFP                                   | Oscillator Type                | Internal                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 25                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                       |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description           | R8C R8C/2x/2K Microcontroller IC 16-Bit 20MHz 16KB (16K x 8) FLASH 32-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 9x10b                                 | Core Size                      | 16-Bit                                                                           |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | R8C                                       | Connectivity                   | LINbus, SIO, UART/USART                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F212K                                   |                                |                                                                                  |
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|  | Part#: <a href="#">R5F212K2SDFP#X6</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F212K4SYFP#X6</a><br>Description: IC MCU 16BIT 16KB FLASH 32LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F212K4SNFP#X6</a><br>Description: IC MCU 16BIT 16KB FLASH 32LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F212K2SDFP#V2</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F212K2SYFP#V2</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F212L2SNFP#V2</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F212L2SYFP#V2</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F212L2SDFP#V2</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F212L2SYFP#X6</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F212L2SDFP#X6</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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