

R5F2138CWJFP#U0



Part Number: [R5F2138CWJFP#U0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 128KB FLASH 80LQFP

Data sheet:  [R8C/38\(W,X,Y,Z\) Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

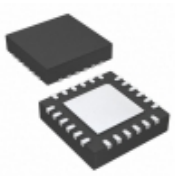
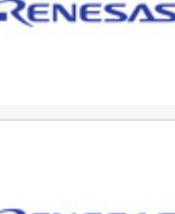
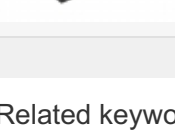
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                |                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F2138CWJFP#U0                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 16BIT 128KB FLASH 80LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 14618 pcs                                 | Data sheet                     | <a href="#">R8C/38(W,X,Y,Z) Datasheet</a>                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 80-LQFP (12x12)                           | Speed                          | 20MHz                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R8C/38W                                   | RAM Size                       | 10K x 8                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                     | Program Memory Size            | 128KB (128K x 8)                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | POR, PWM, Voltage Detect, WDT             | Packaging                      | Tray                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 80-LQFP                                   | Oscillator Type                | Internal                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 85°C (TA)                         | Number of I/O                  | 75                                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Detailed Description           | R8C R8C/38W Microcontroller IC 16-Bit 20MHz 128KB (128K x 8) FLASH 80-LQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A/D 20x10b                                | Core Size                      | 16-Bit                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | R8C                                       | Connectivity                   | CANbus, I <sup>2</sup> C, LINbus, SIO, SSU, UART/USART                             |
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|  | Part#: <a href="#">R5F2138CCNFP#U0</a><br>Description: IC MCU 16BIT 128KB FLASH 80LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
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