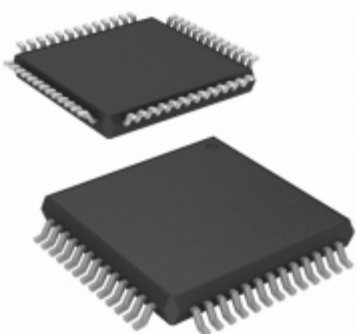


R5F2135AMNFP#30



**Part Number:** [R5F2135AMNFP#30](#)

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

**Description:** IC MCU 16BIT 96KB FLASH 52LQFP

**Data sheet:**  [R8C/35M Hardware Manual](#)  
 [R8C/35M Datasheet](#)

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

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F2135AMNFP#30                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 96KB FLASH 52LQFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5488 pcs                                  | Data sheet                     | <a href="#">R8C/35M Hardware Manual</a><br><a href="#">R8C/35M Datasheet</a>        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.8 V ~ 5.5 V                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 52-LQFP (10x10)                           | Speed                          | 20MHz                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | R8C/3x/35M                                | RAM Size                       | 8K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 96KB (96K x 8)                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | POR, PWM, Voltage Detect, WDT             | Packaging                      | Tray                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 52-LQFP                                   | Oscillator Type                | Internal                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -20°C ~ 85°C (TA)                         | Number of I/O                  | 47                                                                                  |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4K x 8                                    | Detailed Description           | R8C R8C/3x/35M Microcontroller IC 16-Bit 20MHz 96KB (96K x 8) FLASH 52-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 12x10b; D/A 2x8b                      | Core Size                      | 16-Bit                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | R8C                                       | Connectivity                   | I <sup>2</sup> C, LINbus, SIO, SSU, UART/USART                                      |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F2135A                                  |                                |                                                                                     |
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|  | Part#: <a href="#">R5F2135CCNFP#30</a><br>Description: IC MCU 16BIT 128KB FLASH 52LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F2135AMNFP#50</a><br>Description: IC MCU 16BIT 96KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F2135CCDFP#50</a><br>Description: IC MCU 16BIT 128KB FLASH 52LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F2135CMNFP#30</a><br>Description: IC MCU 16BIT 128KB FLASH 52LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F2135CCNFP#V0</a><br>Description: IC MCU 16BIT 128KB FLASH 52LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21357MNFP#30</a><br>Description: IC MCU 16BIT 48KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21357CNFP#30</a><br>Description: IC MCU 16BIT 48KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F2135ACNFP#50</a><br>Description: IC MCU 16BIT 96KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21357CNFP#50</a><br>Description: IC MCU 16BIT 48KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21357CNFP#V0</a><br>Description: IC MCU 16BIT 48KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21357CDFP#X4</a><br>Description: IC MCU 16BIT 48KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21357MNFP#50</a><br>Description: IC MCU 16BIT 48KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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