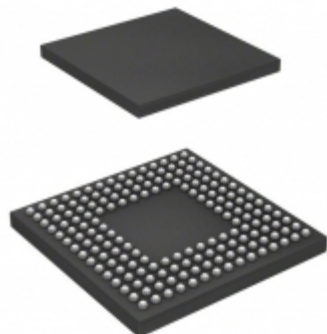


R5F563NEDDBG#U0



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [R5F563NEDDBG#U0](#)

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

**Description:** IC MCU 32BIT 2MB FLASH 176LFBGA

**Data sheet:**  [RX63N, RX631 Group Datasheet](#)

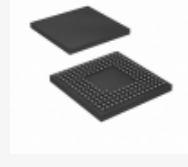
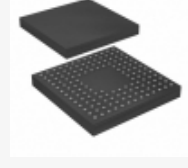
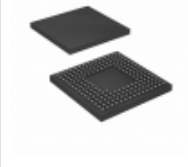
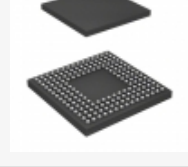
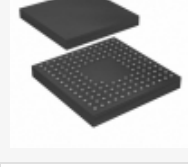
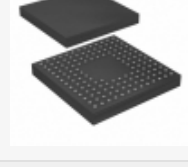
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                  |                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F563NEDDBG#U0                           | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 32BIT 2MB FLASH 176LFBGA           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8384 pcs                                  | Data sheet                       | <a href="#">RX63N, RX631 Group Datasheet</a>                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 3.6 V                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 176-LFBGA (13x13)                         | Speed                            | 100MHz                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RX600                                     | RAM Size                         | 128K x 8                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size              | 2MB (2M x 8)                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                   | Packaging                        | Tray                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 176-LFBGA                                 | Other Names                      | R5F563NEDDBGU0                                                                 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 133                                       | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 24 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                     |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 32K x 8                                   | Detailed Description             | RX RX600 Microcontroller IC 32-Bit 100MHz 2MB (2M x 8) FLASH 176-LFBGA (13x13) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 8x10b, 21x12b, D/A 2x10b              | Core Size                        | 32-Bit                                                                         |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RX                                        | Connectivity                     | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, LINbus, SCI, SPI, USB             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F563NE                                  |                                  |                                                                                |
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|  | Part#: <a href="#">R5F563NFDDFP#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 100LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NEDDFB#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 144LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NECDFB#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 144LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NFDGFB#V0</a><br>Description: IC MCU 32BIT 2MB FLASH          | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NDDDLK#U0</a><br>Description: IC MCU 32BIT 1.5MB FLASH 177LGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NEDDLJ#U0</a><br>Description: IC MCU 32BIT 2MB FLASH 100TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NECDFP#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 100LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NECDLJ#U0</a><br>Description: IC MCU 32BIT 2MB FLASH 100TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NEDDFC#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 176LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NFDDFB#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 144LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NECDFC#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 176LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NEDDFP#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 100LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NDDDLK#U0</a><br>Description: IC MCU 32BIT 1.5MB FLASH 145LGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NECDLK#U0</a><br>Description: IC MCU 32BIT 2MB FLASH 177TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NECDBG#U0</a><br>Description: IC MCU 32BIT 2MB FLASH 176LFBGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NDDDLJ#U0</a><br>Description: IC MCU 32BIT 1.5MB FLASH 100LGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NECDLK#U0</a><br>Description: IC MCU 32BIT 2MB FLASH 145TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F563NEDDLK#U0</a><br>Description: IC MCU 32BIT 2MB FLASH 177TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|                                             |                                         |                          |                       |
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