

R5F5631BCDFB#V0



**Part Number:** [R5F5631BCDFB#V0](#)

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

**Description:** IC MCU 32BIT 1MB FLASH 144LQFP

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

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

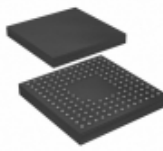
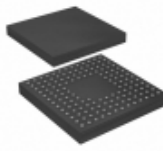
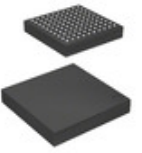
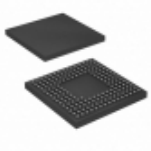
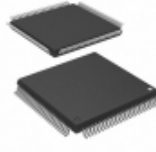
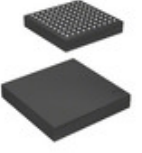
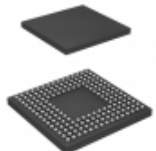
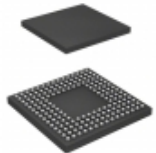
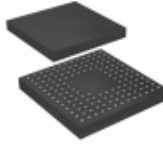
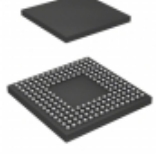
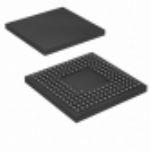
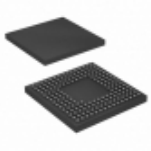
**Ship From:** Hong Kong

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F5631BCDFB#V0                                                               | Manufacturer                    | <a href="#">Renesas Electronics America</a>                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 32BIT 1MB FLASH 144LQFP                                                | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10668 pcs                                                                     | Data sheet                      | <a href="#">RX63N, RX631 Group Datasheet</a><br><a href="#">RX63N, RX631 Hrdw Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a>                                     | Voltage - Supply (Vcc/Vdd)      | 2.7 V ~ 3.6 V                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 144-LQFP (20x20)                                                              | Speed                           | 100MHz                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RX600                                                                         | RAM Size                        | 128K x 8                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                                                         | Program Memory Size             | 1MB (1M x 8)                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DMA, LVD, POR, PWM, WDT                                                       | Packaging                       | Tray                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 144-LQFP                                                                      | Oscillator Type                 | Internal                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 85°C (TA)                                                             | Number of I/O                   | 111                                                                                      |
| 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 1MB (1M x 8) FLASH 144-LQFP (20x20) | Data Converters                 | A/D 8x10b, 21x12b, D/A 2x10b                                                             |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32-Bit                                                                        | Core Processor                  | RX                                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, SCI, SPI, USB                      | Base Part Number                | R5F5631B                                                                                 |
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|  | Part#: <a href="#">R5F5631BCDLK#U0</a><br>Description: IC MCU 32BIT 1MB FLASH 145TFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F5631ACDLK#U0</a><br>Description: IC MCU 32BIT 768KB FLASH 145LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F5631ADDLJ#U0</a><br>Description: IC MCU 32BIT 768KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F5631BDDFP#V0</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F5631BCDLJ#U0</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F5631BDDFC#V0</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F5631ADDBG#U0</a><br>Description: IC MCU 32BIT 768KB FLASH 176BGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F5631BDBG#U0</a><br>Description: IC MCU 32BIT 1MB FLASH 176LFBGA   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F5631BDDLC#U0</a><br>Description: IC MCU 32BIT 1MB FLASH 177TFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F5631ADDFC#V0</a><br>Description: IC MCU 32BIT 768KB FLASH 176QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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Related keywords for R5F5631BCDFB#V0

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