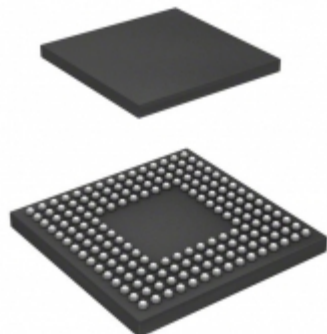


R5F56217BDBG#U0



**Part Number:** [R5F56217BDBG#U0](#)

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

**Description:** IC MCU 32BIT 384KB FLASH 176BGA

**Data sheet:**  [RX62N,621 Group](#)  
 [RX62N, RX621 User's Manual](#)

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

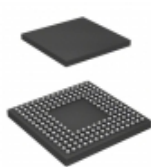
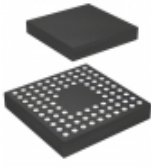
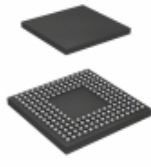
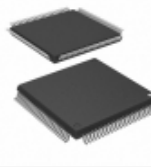
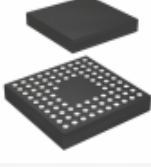
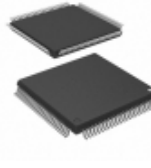
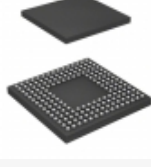
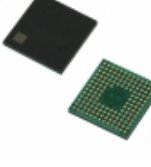
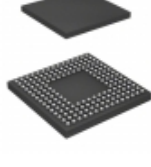
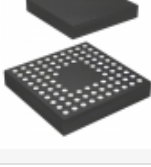
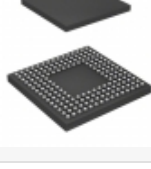
**Ship From:** Hong Kong

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F56217BDBG#U0                                                                    | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 32BIT 384KB FLASH 176BGA                                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13341 pcs                                                                          | Data sheet                       | <a href="#">RX62N,621 Group</a><br><a href="#">RX62N, RX621 User's Manual</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                         | 64K x 8                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                                                              | Program Memory Size              | 384KB (384K x 8)                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DMA, LVD, POR, PWM, WDT                                                            | Packaging                        | Tray                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 176-LFBGA                                                                          | Other Names                      | R5F56217BDBGU0                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Internal                                                                           | Operating Temperature            | -40°C ~ 85°C (TA)                                                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 126                                                                                | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                 |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                                                         | EEPROM Size                      | -                                                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RX RX600 Microcontroller IC 32-Bit 100MHz 384KB (384K x 8) FLASH 176-LFBGA (13x13) | Data Converters                  | A/D 8x10/12b, D/A 2x10b                                                       |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32-Bit                                                                             | Core Processor                   | RX                                                                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CANbus, EBI/EMI, I <sup>2</sup> C, SCI, SPI, USB                                   | Base Part Number                 | R5F5621                                                                       |
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| RELATED PRODUCTS                                                                   |                                               |                                                            |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">R5F56216BDBG#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 256KB FLASH 176BGA  |                                                            |                     |
|  | Part#: <a href="#">R5F56218BDFP#V0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 512KB FLASH 100LQFP |                                                            |                     |
|  | Part#: <a href="#">R5F56217BDLD#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 384KB FLASH 85TFLGA |                                                            |                     |
|  | Part#: <a href="#">R5F56108WDBG#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 2MB FLASH 176LFBGA  |                                                            |                     |
|  | Part#: <a href="#">R5F56218BDFB#V0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 512KB FLASH 144QFP  |                                                            |                     |
|  | Part#: <a href="#">R5F56108VNFP#V0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 2MB FLASH 100LQFP   |                                                            |                     |
|  | Part#: <a href="#">R5F562G7ADFH#V1</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 128KB FLASH 112LQFP |                                                            |                     |
|  | Part#: <a href="#">R5F56218BDLD#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 512KB FLASH 85TFLGA |                                                            |                     |
|  | Part#: <a href="#">R5F56217BDFP#V0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 384KB FLASH 100LQFP |                                                            |                     |
|  | Part#: <a href="#">R5F56107WNBG#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 1.5MB FLASH 176BGA  |                                                            |                     |
|  | Part#: <a href="#">R5F56216BDLE#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 256KB FLASH 145LGA  |                                                            |                     |
|  | Part#: <a href="#">R5F56217BDFB#V0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 384KB FLASH 144QFP  |                                                            |                     |
|  | Part#: <a href="#">R5F56108WNBG#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 2MB FLASH 176LFBGA  |                                                            |                     |
|  | Part#: <a href="#">R5F56216BDFB#V0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 256KB FLASH 144QFP  |                                                            |                     |
|  | Part#: <a href="#">R5F56217BDLE#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 384KB FLASH 145LGA  |                                                            |                     |
|  | Part#: <a href="#">R5F56216BDLD#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 256KB FLASH 85TFLGA |                                                            |                     |
|  | Part#: <a href="#">R5F56216BDFP#V0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 256KB FLASH 100LQFP |                                                            |                     |
|  | Part#: <a href="#">R5F56218DBG#U0</a>         | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 512KB FLASH 176BGA  |                                                            |                     |
|  | Part#: <a href="#">R5F56218BDLE#U0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 512KB FLASH 145LGA  |                                                            |                     |
|  | Part#: <a href="#">R5F56108VDFP#V0</a>        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 32BIT 2MB FLASH 100LQFP   |                                                            |                     |

Related keywords for **R5F56217BDBG#U0**

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