



Renesas Electronics America

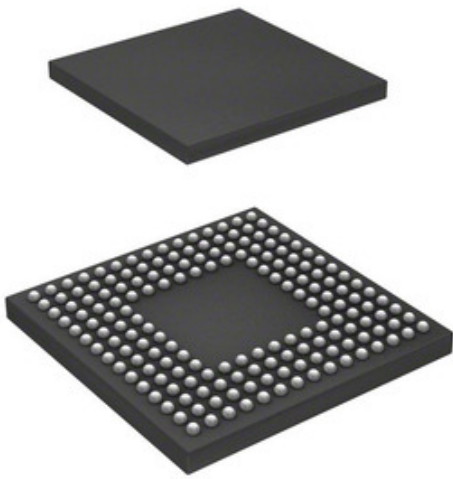


Image may be representation. See specifications for product details.

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F562N8BDBG#U0                                                                                              |
| Manufacturer/Brand: | Renesas Electronics America                                                                                  |
| Product description | IC MCU 32BIT 512KB FLASH 176BGA                                                                              |
| Datasheets:         |  1.R5F562N8BDBG#U0.pdf      |
|                     |  2.R5F562N8BDBG#U0.pdf      |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6888 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

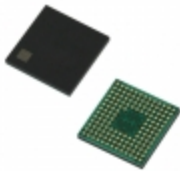
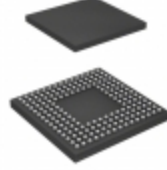
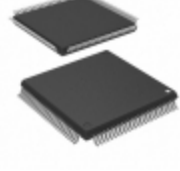
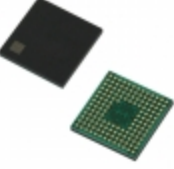
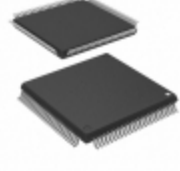
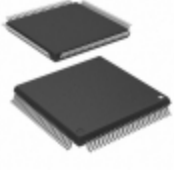
Specifications of R5F562N8BDBG#U0

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | R5F562N8BDBG#U0                                                                                           |
| MANUFACTURER                     | Renesas Electronics America                                                                               |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 176BGA                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                |
| QUANTITY AVAILABLE               | 6888 pcs                                                                                                  |
| DATA SHEET                       |  1.R5F562N8BDBG#U0.pdf |
|                                  |  2.R5F562N8BDBG#U0.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.6 V                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 176-LFBGA (13x13)                                                                                         |
| SPEED                            | 100MHz                                                                                                    |
| SERIES                           | RX600                                                                                                     |
| RAM SIZE                         | 96K x 8                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                     |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                          |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                   |
| PACKAGING                        | Tray                                                                                                      |
| PACKAGE / CASE                   | 176-LFBGA                                                                                                 |
| OTHER NAMES                      | R5F562N8BDBGU0                                                                                            |
| 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 512KB (512K 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, Ethernet, I²C, SCI, SPI, USB                                                             |
| BASE PART NUMBER                 | R5F562                                                                                                    |

Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| Renesas Electronics America R5F562N8BDBG#U0 | R5F562N8BDBG#U0 Distributor             | R5F562N8BDBG#U0 Supplier                        |
| R5F562N8BDBG#U0 Price                       | R5F562N8BDBG#U0 Pictures                | R5F562N8BDBG#U0 Image                           |
| R5F562N8BDBG#U0 PDF Datasheet               | R5F562N8BDBG#U0 Download Datasheet      | R5F562N8BDBG#U0 Datasheet                       |
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| Renesas Electronics America R5F562N8BDBG#U0 | Renesas Electronics America Supplier    | Renesas Electronics America Distributor         |
| Renesas Electronics America R5F562N8BDBG#U0 | Renesas Technology Corp R5F562N8BDBG#U0 | Renesas R5F562N8BDBG#U0                         |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
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|  <div><b>R5F562N8ADLE#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 145LGA<br/>In stock: 8800 pcs<br/><div>RFQ</div></div>  |  <div><b>R5F562N8ADFB#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 144QFP<br/>In stock: 7465 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F562N8ADB#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 176BGA<br/>In stock: 9052 pcs<br/><div>RFQ</div></div>   |  <div><b>R5F562T6ADFF#V3</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 64KB FLASH 80LQFP<br/>In stock: 17227 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F562T6ADFF#V1</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 64KB FLASH 80LQFP<br/>In stock: 14411 pcs<br/><div>RFQ</div></div>  |  <div><b>R5F562N8BDFB#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 144QFP<br/>In stock: 8327 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F562N8BDFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 100QFP<br/>In stock: 8066 pcs<br/><div>RFQ</div></div>  |  <div><b>R5F562N8BDLE#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 145LGA<br/>In stock: 6854 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F562N7BDFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br/>In stock: 8927 pcs<br/><div>RFQ</div></div> |  <div><b>R5F562N7BDLE#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 384KB FLASH 145LGA<br/>In stock: 11312 pcs<br/><div>RFQ</div></div> |
|  <div><b>R5F562T6ADFK#V1</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 1756 pcs<br/><div>RFQ</div></div>   |  <div><b>R5F562N8ADFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 144QFP<br/>In stock: 8798 pcs<br/><div>RFQ</div></div>  |