



### R5F564MFHDBG#21

|                     |                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F564MFHDBG#21                                                                                                                                                                                                    |
| Manufacturer/Brand: | Renesas Electronics America                                                                                                                                                                                        |
| Product description | IC MCU 32BIT 2MB FLASH 176LFBGA                                                                                                                                                                                    |
| Datasheets:         |  1.R5F564MFHDBG#21.pdf<br> 2.R5F564MFHDBG#21.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                       |
| Stock Condition     | 5254 pcs stock                                                                                                                                                                                                     |
| Ship From           | Hong Kong                                                                                                                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                              |

REQUEST FOR QUOTATION

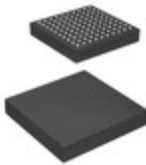
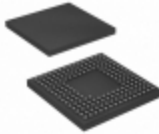
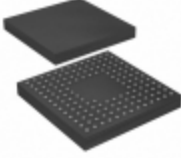
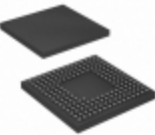
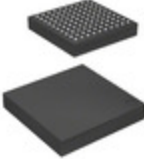
#### Specifications of R5F564MFHDBG#21

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | R5F564MFHDBG#21                                                                                                                                                                                                        |
| MANUFACTURER                     | Renesas Electronics America                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 176LFBGA                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 5254 pcs                                                                                                                                                                                                               |
| DATA SHEET                       |  1.R5F564MFHDBG#21.pdf<br> 2.R5F564MFHDBG#21.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.6 V                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 176-LFBGA (13x13)                                                                                                                                                                                                      |
| SPEED                            | 120MHz                                                                                                                                                                                                                 |
| SERIES                           | RX600                                                                                                                                                                                                                  |
| RAM SIZE                         | 552K 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                                                                                                                                                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 127                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| EEPROM SIZE                      | 64K x 8                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | RXv2 RX600 Microcontroller IC 32-Bit 120MHz 2MB (2M x 8) FLASH 176-LFBGA (13x13)                                                                                                                                       |
| DATA CONVERTERS                  | A/D 29x12b, D/A 2x12b                                                                                                                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | RXv2                                                                                                                                                                                                                   |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I²C, LINbus, MMC/SD, SCI, SPI, SSI, UART/USART, USB                                                                                                                                         |

#### Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| Renesas Electronics America R5F564MFHDBG#21 | R5F564MFHDBG#21 Distributor             | R5F564MFHDBG#21 Supplier                        |
| R5F564MFHDBG#21 Price                       | R5F564MFHDBG#21 Pictures                | R5F564MFHDBG#21 Image                           |
| R5F564MFHDBG#21 PDF Datasheet               | R5F564MFHDBG#21 Download Datasheet      | R5F564MFHDBG#21 Datasheet                       |
| R5F564MFHDBG#21 Stock                       | Buy R5F564MFHDBG#21                     | Buy Renesas Electronics America R5F564MFHDBG#21 |
| Renesas Electronics America R5F564MFHDBG#21 | Renesas Electronics America Supplier    | Renesas Electronics America Distributor         |
| Renesas Electronics America R5F564MFHDBG#21 | Renesas Technology Corp R5F564MFHDBG#21 | Renesas R5F564MFHDBG#21                         |

#### Related Products

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><b>R5F564MFHDFC#31</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 176LFQFP<br/>In stock: 3245 pcs</div><div>RFQ</div></div> | <div><div><b>R5F564MFHDLJ#21</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 100TFLGA<br/>In stock: 4546 pcs</div><div>RFQ</div></div> |
| <div><div><b>R5F564MFGDLC#21</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 177TFLGA<br/>In stock: 6305 pcs</div><div>RFQ</div></div> | <div><div><b>R5F564MFHDFC#V1</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 176LFQFP<br/>In stock: 4637 pcs</div><div>RFQ</div></div> |
| <div><div><b>R5F564MFGDFC#31</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 176LFQFP<br/>In stock: 7043 pcs</div><div>RFQ</div></div> | <div><div><b>R5F564MFGDFP#V1</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 100LFQFP<br/>In stock: 4769 pcs</div><div>RFQ</div></div> |
| <div><div><b>R5F564MFGDLK#21</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 145TFLGA<br/>In stock: 3826 pcs</div><div>RFQ</div></div> | <div><div><b>R5F564MFHDLK#21</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 177TFLGA<br/>In stock: 5526 pcs</div><div>RFQ</div></div> |
| <div><div><b>R5F564MFHDVB#V1</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 144LFQFP<br/>In stock: 5523 pcs</div><div>RFQ</div></div> | <div><div><b>R5F564MFGDFC#V1</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 176LFQFP<br/>In stock: 5981 pcs</div><div>RFQ</div></div> |
| <div><div><b>R5F564MFGDLJ#21</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 100TFLGA<br/>In stock: 5096 pcs</div><div>RFQ</div></div> | <div><div><b>R5F564MFHDFP#V1</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 2MB FLASH 100LFQFP<br/>In stock: 3327 pcs</div><div>RFQ</div></div> |