

R5F564MLHDFB#V1



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**Part Number:** R5F564MLHDFB#V1

**Manufacturer:** Renesas Electronics America

**Description:** IC MCU 32BIT 4MB FLASH 144LQFP

**Data sheet:**  [RX64M Datasheet](#)  
 [RX64M Hardware Manual](#)

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

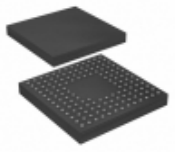
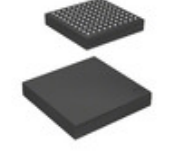
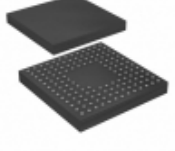
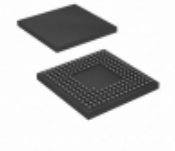
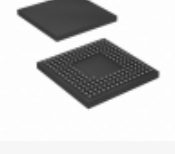
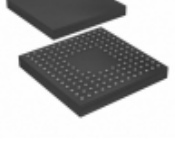
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| PRODUCT PARAMETER                |                                           |                                |                                                                                             |
|----------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------|
| Part Number                      | R5F564MLHDFB#V1                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                 |
| Description                      | IC MCU 32BIT 4MB FLASH 144LQFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                  |
| Quantity Available               | 7531 pcs                                  | Data sheet                     | <a href="#">RX64M Datasheet</a><br><a href="#">RX64M Hardware 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                          | 120MHz                                                                                      |
| Series                           | RX600                                     | RAM Size                       | 552K x 8                                                                                    |
| Program Memory Type              | FLASH                                     | Program Memory Size            | 4MB (4M 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)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                  |
| EEPROM Size                      | 64K x 8                                   | Detailed Description           | RXv2 RX600 Microcontroller IC 32-Bit 120MHz 4MB (4M x 8) FLASH 144-LQFP (20x20)             |
| Data Converters                  | A/D 29x12b, D/A 2x12b                     | Core Size                      | 32-Bit                                                                                      |
| Core Processor                   | RXv2                                      | Connectivity                   | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, LINbus, MMC/SD, SCI, SPI, SSI, UART/USART, USB |

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