

R5F56318CDFB#V0



Part Number: [R5F56318CDFB#V0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 512KB FLASH 144QFP

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

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

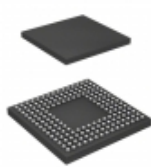
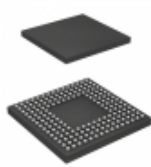
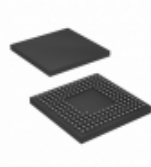
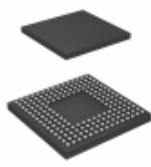
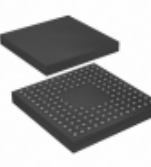
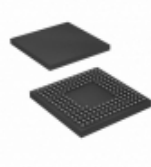
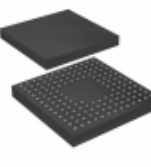
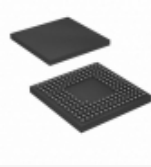
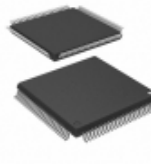
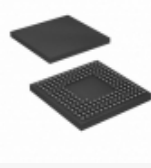
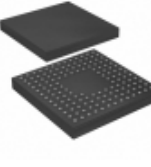
Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                |                                           |                                |                                                                                          |
|----------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------|
| Part Number                      | R5F56318CDFB#V0                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                              |
| Description                      | IC MCU 32BIT 512KB FLASH 144QFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                               |
| Quantity Available               | 15987 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            | 512KB (512K 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                      | 32K x 8                                   | Detailed Description           | RX RX600 Microcontroller IC 32-Bit 100MHz 512KB (512K 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                                 |

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