

R5F563TBDDFB#V1



Part Number: [R5F563TBDDFB#V1](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 256KB FLASH 144QFP

Data sheet:  [RX63T Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

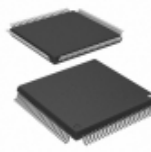
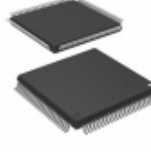
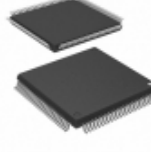
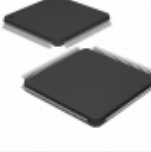
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                |                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F563TBDDFB#V1                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 32BIT 256KB FLASH 144QFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 14514 pcs                                 | Data sheet                     | <a href="#">RX63T Datasheet</a>                                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 144-LQFP (20x20)                          | Speed                          | 100MHz                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RX600                                     | RAM Size                       | 24K x 8                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                     | Program Memory Size            | 256KB (256K 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                  | 81                                                                                |
| 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 256KB (256K x 8) FLASH 144-LQFP (20x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A/D 20x10b, 8x12b, D/A 2x10b              | Core Size                      | 32-Bit                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RX                                        | Connectivity                   | EBI/EMI, I <sup>2</sup> C, LINbus, SCI, SPI                                       |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                            |                |
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|  | Part#: <a href="#">R5F563TBDDFP#V1</a><br>Description: IC MCU 32BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F563TBEDFH#V0</a><br>Description: IC MCU 32BIT 256KB FLASH 112LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F563TBDDFP#V0</a><br>Description: IC MCU 32BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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| Related keywords for <b>R5F563TBDDFB#V1</b> |                                         |                          |                       |
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