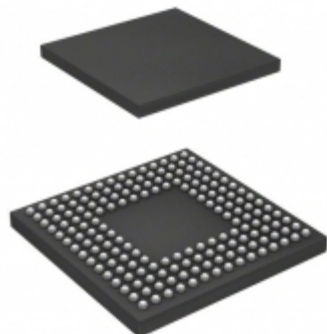


R5F571MGCDBG#20



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [R5F571MGCDBG#20](#)

**Manufacturer:** [Renesas Electronics America](#)

**Description:** IC MCU 32BIT 2.5MB FLASH 176BGA

**Data sheet:**  [RX71M Group Datasheet](#)  
 [RX71M Group Hardware Manual](#)

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

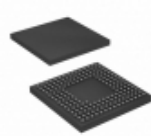
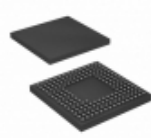
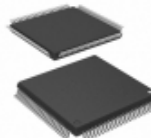
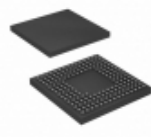
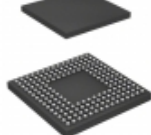
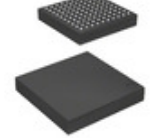
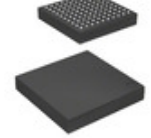
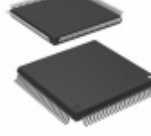
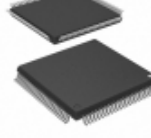
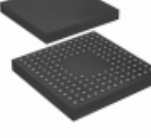
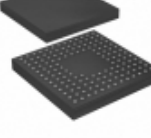
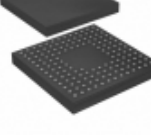
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| PRODUCT PARAMETER                |                                           |                                |                                                                                      |
|----------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Part Number                      | R5F571MGCDBG#20                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                          |
| Description                      | IC MCU 32BIT 2.5MB FLASH 176BGA           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                           |
| Quantity Available               | 8446 pcs                                  | Data sheet                     | <a href="#">RX71M Group Datasheet</a><br><a href="#">RX71M Group Hardware Manual</a> |
| Category                         | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 3.6 V                                                                        |
| Supplier Device Package          | 176-LFBGA (13x13)                         | Speed                          | 240MHz                                                                               |
| Series                           | RX71M                                     | RAM Size                       | 512K x 8                                                                             |
| Program Memory Type              | FLASH                                     | Program Memory Size            | 2.5MB (2.5M 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 RX71M Microcontroller IC 32-Bit 240MHz 2.5MB (2.5M x 8) FLASH 176-LFBGA (13x13) |
| Data Converters                  | A/D 8x12b, 21x12b, D/A 2x12               | Core Size                      | 32-Bit                                                                               |
| Core Processor                   | RXv2                                      | Connectivity                   | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, MMC/SD, QSPI, SCI, SPI, SSI, USB OTG    |

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| RELATED PRODUCTS                                                                   |                                                                                        |                                                            |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">R5F571MGCDLC#20</a><br>Description: IC MCU 32BIT 2.5MB FLASH 177LGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFGDLC#20</a><br>Description: IC MCU 32BIT 2MB FLASH 177TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGCDFP#30</a><br>Description: IC MCU 32BIT 2.5MB FLASH 100QFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFHDFC#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 176LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFGDLJ#20</a><br>Description: IC MCU 32BIT 2MB FLASH 100TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFHDLK#20</a><br>Description: IC MCU 32BIT 2MB FLASH 177TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFHDBG#20</a><br>Description: IC MCU 32BIT 2MB FLASH 176LFBGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGDDFB#V0</a><br>Description: IC MCU 32BIT 2.5MB FLASH 144QFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGCDLJ#20</a><br>Description: IC MCU 32BIT 2.5MB FLASH 100LGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFHDLJ#20</a><br>Description: IC MCU 32BIT 2MB FLASH 100TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGCDFP#V0</a><br>Description: IC MCU 32BIT 2.5MB FLASH 100QFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFHDFP#30</a><br>Description: IC MCU 32BIT 2MB FLASH 100LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGCDFB#V0</a><br>Description: IC MCU 32BIT 2.5MB FLASH 144QFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGDDFC#V0</a><br>Description: IC MCU 32BIT 2.5MB FLASH 176QFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFGDLK#20</a><br>Description: IC MCU 32BIT 2MB FLASH 145TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFHDLK#20</a><br>Description: IC MCU 32BIT 2MB FLASH 145TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGCDFC#V0</a><br>Description: IC MCU 32BIT 2.5MB FLASH 176QFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MFHDFB#V0</a><br>Description: IC MCU 32BIT 2MB FLASH 144LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGCDLK#20</a><br>Description: IC MCU 32BIT 2.5MB FLASH 145LGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F571MGDDBG#20</a><br>Description: IC MCU 32BIT 2.5MB FLASH 176BGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |

| Related keywords for R5F571MGCDBG#20        |                                         |                          |                       |
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