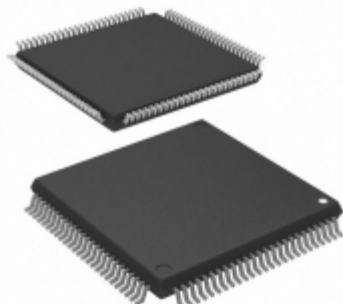


R5F64167DFB#U0



Images are for reference only.  
See Product Specifications for product details.  
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**RENESAS**

**Part Number:** [R5F64167DFB#U0](#)

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

**Description:** IC MCU 32BIT 640KB FLASH 100QFP

**Data sheet:**  [R32C/116 Datasheet](#)

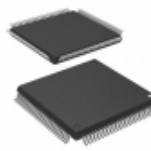
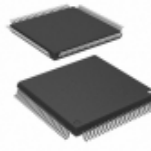
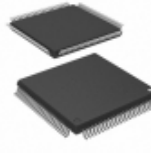
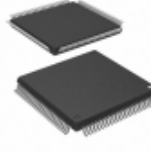
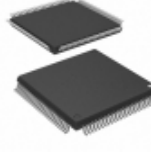
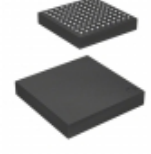
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                        |                                  |                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F64167DFB#U0                                                                                         | Manufacturer                     | <a href="#">Renesas Electronics America</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 32BIT 640KB FLASH 100QFP                                                                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                 | 7334 pcs                                                                                               | Data sheet                       | <a href="#">R32C/116 Datasheet</a>          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>                                                              | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 5.5 V                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                            | 100-LFQFP (14x14)                                                                                      | Speed                            | 50MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                             | M16C/R32C/100/116                                                                                      | RAM Size                         | 48K x 8                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                                                  | Program Memory Size              | 640KB (640K x 8)                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, PWM, WDT                                                                                     | Packaging                        | Tray                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                     | 100-LQFP                                                                                               | Other Names                      | R5F64167DFBU0                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal                                                                                               | Operating Temperature            | -40°C ~ 85°C (TA)                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                      | 84                                                                                                     | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                                                                             | EEPROM Size                      | -                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                               | R32C/100 M16C/R32C/100/116 Microcontroller IC 16/32-Bit 50MHz 640KB (640K x 8) FLASH 100-LFQFP (14x14) | Data Converters                  | A/D 26x10b; D/A 2x8b                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                          | 16/32-Bit                                                                                              | Core Processor                   | R32C/100                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                       | EBI/EMI, I <sup>2</sup> C, IEBus, UART/USART                                                           | Base Part Number                 | R5F64167                                    |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                            |                     |
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|  | Part#: <a href="#">R5F6416MADF#UA</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64168DFB#U0</a><br>Description: IC MCU 32BIT 768KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64169DFD</a><br>Description: IC MCU LQFP                         | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64169DFB#UB</a><br>Description: IC MCU 32BIT 1MB FLASH 100LFQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64168DFD#U0</a><br>Description: IC MCU 32BIT 768KB FLASH 144QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64175DFB#U0</a><br>Description: IC MCU 32BIT 384KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64116DFB#U0</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64169DFB#U0</a><br>Description: IC MCU 32BIT 1MB FLASH 100LFQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F6411FNLG#U0</a><br>Description: IC MCU 32BIT 256KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F6411FDFN#UA</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64165DFD#UB</a><br>Description: IC MCU 32BIT 384KB FLASH 144QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64169DFD#U0</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64114DFB#UA</a><br>Description: IC MCU 32BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F6411EDFN#UA</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64169DFD#UB</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64115DFB#U0</a><br>Description: IC MCU 32BIT 384KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F6416MADFE#UA</a><br>Description: IC MCU 32BIT 1MB FLASH 176LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64114DFB#U0</a><br>Description: IC MCU 32BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64114DFB</a><br>Description: IC MCU LQFP                         | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F64112NLG#U0</a><br>Description: IC MCU 32BIT 512KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |

|                                            |                                        |                         |                      |
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