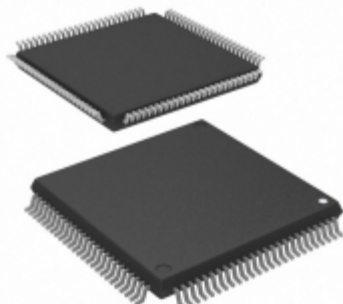


R5F64189PFB#UB



Part Number: [R5F64189PFB#UB](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 1MB FLASH 100LFQFP

Data sheet:  [R32C/118 Datasheet](#)  
 [R32C/118 Hardware Manual](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

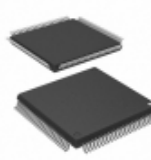
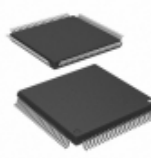
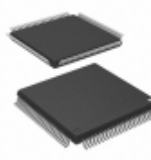
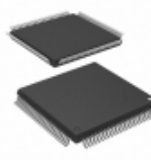
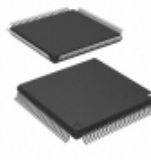
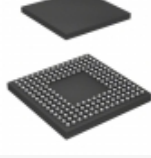
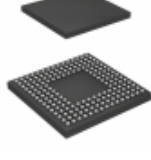
Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                |                                           |                                |                                                                                                    |
|----------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------|
| Part Number                      | R5F64189PFB#UB                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                        |
| Description                      | IC MCU 32BIT 1MB FLASH 100LFQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                         |
| Quantity Available               | 6243 pcs                                  | Data sheet                     | <a href="#">R32C/118 Datasheet</a><br><a href="#">R32C/118 Hardware Manual</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/100/118                         | RAM Size                       | 63K x 8                                                                                            |
| Program Memory Type              | FLASH                                     | Program Memory Size            | 1MB (1M x 8)                                                                                       |
| Peripherals                      | DMA, LVD, PWM, WDT                        | Packaging                      | Tray                                                                                               |
| Package / Case                   | 100-LQFP                                  | 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/100/118 Microcontroller IC 16/32-Bit 50MHz 1MB (1M x 8) FLASH 100-LFQFP (14x14) |
| Data Converters                  | A/D 34x10b, 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                 | R5F64189                                  |                                |                                                                                                    |

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|  | Part#: <a href="#">R5F64189DFB#U0</a><br>Description: IC MCU 32BIT 1MB FLASH 100LFQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F64185DFD#UB</a><br>Description: IC MCU 32BIT 384KB FLASH 144QFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F64187DFB#U0</a><br>Description: IC MCU 32BIT 640KB FLASH 100QFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F64189PFD#UB</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F64185DFD#U0</a><br>Description: IC MCU 32BIT 384KB FLASH 144QFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F72145H DFA#V1</a><br>Description: IC MCU 32BIT 512KB FLASH 176LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F72147ADFA#V1</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F72145G DFA#V1</a><br>Description: IC MCU 32BIT 512KB FLASH 176LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F72145ADBG#U1</a><br>Description: IC MCU 32BIT 512KB FLASH 176BGA   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F72145BDBG#U1</a><br>Description: IC MCU 32BIT 512KB FLASH 176BGA   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F64189DFD#UB</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F64189DFD#U0</a><br>Description: IC MCU 32BIT 1MB FLASH 144LFQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F72145B DFA#V1</a><br>Description: IC MCU 32BIT 512KB FLASH 176LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F72145GDBG#U1</a><br>Description: IC MCU 32BIT 512KB FLASH 176BGA   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F72145ADFP#V1</a><br>Description: IC MCU 32BIT 512KB FLASH 176QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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