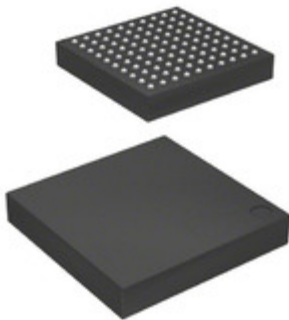


R5F56514BDLJ#20



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [R5F56514BDLJ#20](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 512KB FLASH 100LGA

Data sheet:  [RX65N, RX651 Group Hrdw Interface Manual~](#)  
 [RX65N, RX651 Group Flash Memory Manual](#)  
 [RX65N, RX651 Group Datasheet](#)  
 [RX65N, RX651 Group Hrdw Manual](#)

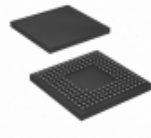
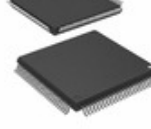
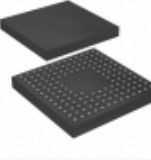
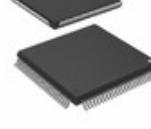
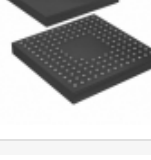
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                |                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F56514BDLJ#20                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 32BIT 512KB FLASH 100LGA           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16536 pcs                                 | Data sheet                     | <a href="#">RX65N, RX651 Group Hrdw Interface Manual~</a><br><a href="#">RX65N, RX651 Group Flash Memory Manual</a><br><a href="#">RX65N, RX651 Group Datasheet</a><br><a href="#">RX65N, RX651 Group Hrdw Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 3.6 V                                                                                                                                                                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100-TFLGA (7x7)                           | Speed                          | 120MHz                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RX651                                     | RAM Size                       | 256K x 8                                                                                                                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                     | Program Memory Size            | 512KB (512K x 8)                                                                                                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                                                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100-TFLGA                                 | Oscillator Type                | Internal                                                                                                                                                                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 85°C (TA)                         | Number of I/O                  | 78                                                                                                                                                                                                                    |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24 Weeks                                  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Detailed Description           | RXv2 RX651 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 100-TFLGA (7x7)                                                                                                                                    |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A/D 22x12b, D/A 1x12b                     | Core Size                      | 32-Bit                                                                                                                                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RXv2                                      | Connectivity                   | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, LINbus, MMC/SD, QSPI, SCI, SPI, UART/USART, USB                                                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                            |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">R5F564MLHDFC#31</a><br>Description: IC MCU 32BIT 4MB FLASH 176LFQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514EDFB#30</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F564MLHDLK#21</a><br>Description: IC MCU 32BIT 4MB FLASH 177TFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56517ADLJ#20</a><br>Description: IC MCU 32BIT 768KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514ADFB#30</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514ADLJ#20</a><br>Description: IC MCU 32BIT 512KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56517ADFP#30</a><br>Description: IC MCU 32BIT 768KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56517ADLK#20</a><br>Description: IC MCU 32BIT 768KB FLASH 145LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514ADFP#30</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56517ADFB#30</a><br>Description: IC MCU 32BIT 768KB FLASH 144LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514EDFP#30</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56517BDFP#30</a><br>Description: IC MCU 32BIT 768KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56517BDLJ#20</a><br>Description: IC MCU 32BIT 768KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514BDLK#20</a><br>Description: IC MCU 32BIT 512KB FLASH 145LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514ADLK#20</a><br>Description: IC MCU 32BIT 512KB FLASH 145LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F564MLHDFC#V1</a><br>Description: IC MCU 32BIT 4MB FLASH 176LFQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514BDFP#30</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F564MLHDFP#V1</a><br>Description: IC MCU 32BIT 4MB FLASH 100LFQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56514BDFB#30</a><br>Description: IC MCU 32BIT 512KB FLASH 144QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F56517BDFB#30</a><br>Description: IC MCU 32BIT 768KB FLASH 144LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

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