

R5F565N4ADLK#20



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Part Number: [R5F565N4ADLK#20](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 512KB FLASH 145LGA

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

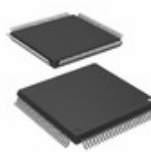
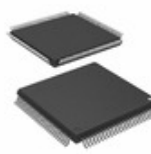
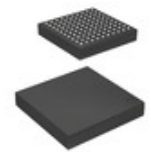
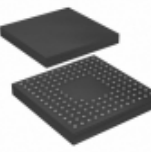
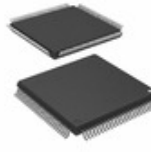
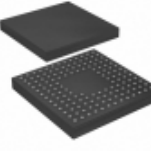
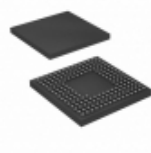
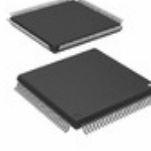
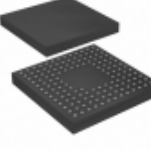
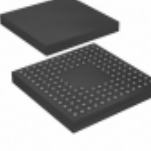
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                |                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | R5F565N4ADLK#20                           | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 32BIT 512KB FLASH 145LGA           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13508 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 145-TFLGA (7x7)                           | Speed                          | 120MHz                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RX65N                                     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 145-TFLGA                                 | Oscillator Type                | Internal                                                                                                                                                                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 85°C (TA)                         | Number of I/O                  | 111                                                                                                                                                                                                                   |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 24 Weeks                                  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Detailed Description           | RXv2 RX65N Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 145-TFLGA (7x7)                                                                                                                                    |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A/D 29x12b, D/A 2x12b                     | 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                                                                                                                          |
| <p>Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Renesas Electronics America series electronic components. We have 13508 pieces of Renesas Electronics America R5F565N4ADLK#20 in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.</p> <p>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a></p> |                                           |                                |                                                                                                                                                                                                                       |

| RELATED PRODUCTS                                                                   |                                                                                         |                                                            |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">R5F565N4BDFP#30</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F565N7ADFP#30</a><br>Description: IC MCU 32BIT 768KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F5651EDDLJ#20</a><br>Description: 32BIT MCU RX651 2MB LGA100 -40/8 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F565N4BDLK#20</a><br>Description: IC MCU 32BIT 512KB FLASH 145LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F565N4ADFB#30</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F5651EDDFP#30</a><br>Description: 32BIT MCU RX651 2MB QFP100 -40/8 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F565N7ADLK#20</a><br>Description: IC MCU 32BIT 768KB FLASH 145LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F5651EDDLJ#20</a><br>Description: 32BIT MCU RX651 2MB LGA177 -40/8 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F565N4ADFP#30</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F5651EDDLK#20</a><br>Description: 32BIT MCU RX651 2MB LGA145 -40/8 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F5651CDDLK#20</a><br>Description: 32BIT MCU RX651 1.5MB LGA145 -40 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F565N4BDFB#30</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F565N7BDFB#30</a><br>Description: IC MCU 32BIT 768KB FLASH 144LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F5651EDDFC#30</a><br>Description: 32BIT MCU RX651 2MB QFP176 -40/8 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F5651EDDFB#30</a><br>Description: 32BIT MCU RX651 2MB QFP144 -40/8 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F565N4BDLJ#20</a><br>Description: IC MCU 32BIT 512KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F565N7ADLJ#20</a><br>Description: IC MCU 32BIT 768KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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