



Renesas Electronics America

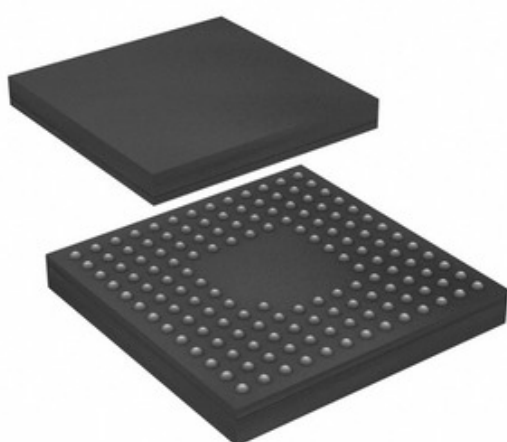


Image may be representation. See specifications for product details.

R5F565N7BDLK#20

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F565N7BDLK#20                                                                                              |
| Manufacturer/Brand: | Renesas Electronics America                                                                                  |
| Product description | IC MCU 32BIT 768KB FLASH 145LGA                                                                              |
|                     |  1.R5F565N7BDLK#20.pdf      |
|                     |  2.R5F565N7BDLK#20.pdf      |
|                     |  3.R5F565N7BDLK#20.pdf      |
|                     |  4.R5F565N7BDLK#20.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 10281 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

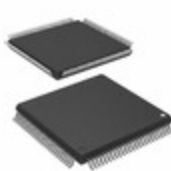
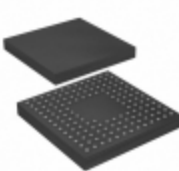
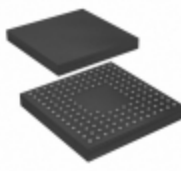
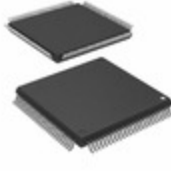
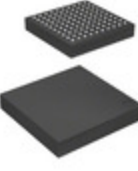
Specifications of R5F565N7BDLK#20

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                    | R5F565N7BDLK#20                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MANUFACTURER                   | Renesas Electronics America                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                    | IC MCU 32BIT 768KB FLASH 145LGA                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE             | 10281 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DATA SHEET                     |  1.R5F565N7BDLK#20.pdf<br> 2.R5F565N7BDLK#20.pdf<br> 3.R5F565N7BDLK#20.pdf<br> 4.R5F565N7BDLK#20.pdf |
| 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            | 768KB (768K 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                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EEPROM SIZE                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DETAILED DESCRIPTION           | RXv2 RX65N Microcontroller IC 32-Bit 120MHz 768KB (768K 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, I²C, LINbus, MMC/SD, QSPI, SCI, SPI, UART/USART, USB                                                                                                                                                                                                                                                                                                                                                                  |

Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| Renesas Electronics America R5F565N7BDLK#20 | R5F565N7BDLK#20 Distributor             | R5F565N7BDLK#20 Supplier                        |
| R5F565N7BDLK#20 Price                       | R5F565N7BDLK#20 Pictures                | R5F565N7BDLK#20 Image                           |
| R5F565N7BDLK#20 PDF Datasheet               | R5F565N7BDLK#20 Download Datasheet      | R5F565N7BDLK#20 Datasheet                       |
| R5F565N7BDLK#20 Stock                       | Buy R5F565N7BDLK#20                     | Buy Renesas Electronics America R5F565N7BDLK#20 |
| Renesas Electronics America R5F565N7BDLK#20 | Renesas Electronics America Supplier    | Renesas Electronics America Distributor         |
| Renesas Electronics America R5F565N7BDLK#20 | Renesas Technology Corp R5F565N7BDLK#20 | Renesas R5F565N7BDLK#20                         |

Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>R5F565N7ADFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 100LQFP<br/>In stock: 7354 pcs<br/>RFQ</div> |  <div><b>R5F565N9ADLK#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 1MB FLASH 145LGA<br/>In stock: 8244 pcs<br/>RFQ</div>    |
|  <div><b>R5F565N7ADLK#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 145LGA<br/>In stock: 9051 pcs<br/>RFQ</div>  |  <div><b>R5F565N9ADFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 7246 pcs<br/>RFQ</div>   |
|  <div><b>R5F565N7EDFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 100LQFP<br/>In stock: 2899 pcs<br/>RFQ</div> |  <div><b>R5F565N9ADLJ#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 1MB FLASH 100LGA<br/>In stock: 9227 pcs<br/>RFQ</div>    |
|  <div><b>R5F565N9ADFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 7038 pcs<br/>RFQ</div>   |  <div><b>R5F565N7ADLJ#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 100LGA<br/>In stock: 12344 pcs<br/>RFQ</div> |
|  <div><b>R5F565N7BDFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 7129 pcs<br/>RFQ</div> |  <div><b>R5F565N7BDLJ#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 100LGA<br/>In stock: 10416 pcs<br/>RFQ</div> |
|  <div><b>R5F565N7BDFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 100LQFP<br/>In stock: 7155 pcs<br/>RFQ</div> |  <div><b>R5F565N9BDFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 7600 pcs<br/>RFQ</div>   |