



Renesas Electronics America



Image may be representation. See specifications for product details.

R5F565N4EDFB#30

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F565N4EDFB#30                                                                                              |
| Manufacturer/Brand: | Renesas Electronics America                                                                                  |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                                                                             |
|                     |  1.R5F565N4EDFB#30.pdf      |
|                     |  2.R5F565N4EDFB#30.pdf      |
|                     |  3.R5F565N4EDFB#30.pdf      |
|                     |  4.R5F565N4EDFB#30.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6010 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

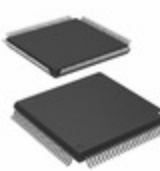
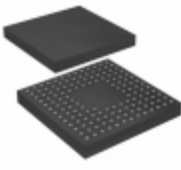
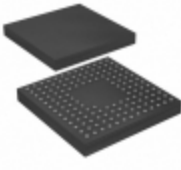
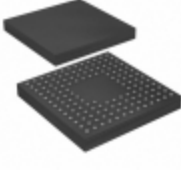
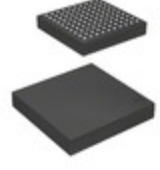
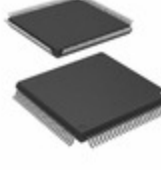
Specifications of R5F565N4EDFB#30

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | R5F565N4EDFB#30                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MANUFACTURER                     | Renesas Electronics America                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 6010 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DATA SHEET                       |  1.R5F565N4EDFB#30.pdf<br> 2.R5F565N4EDFB#30.pdf<br> 3.R5F565N4EDFB#30.pdf<br> 4.R5F565N4EDFB#30.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 144-LFQFP (20x20)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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                   | 144-LQFP                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NUMBER OF I/O                    | 111                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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 144-LFQFP (20x20)                                                                                                                                                                                                                                                                                                                                                             |
| 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 R5F565N4EDFB#30 | R5F565N4EDFB#30 Distributor             | R5F565N4EDFB#30 Supplier                        |
| R5F565N4EDFB#30 Price                       | R5F565N4EDFB#30 Pictures                | R5F565N4EDFB#30 Image                           |
| R5F565N4EDFB#30 PDF Datasheet               | R5F565N4EDFB#30 Download Datasheet      | R5F565N4EDFB#30 Datasheet                       |
| R5F565N4EDFB#30 Stock                       | Buy R5F565N4EDFB#30                     | Buy Renesas Electronics America R5F565N4EDFB#30 |
| Renesas Electronics America R5F565N4EDFB#30 | Renesas Electronics America Supplier    | Renesas Electronics America Distributor         |
| Renesas Electronics America R5F565N4EDFB#30 | Renesas Technology Corp R5F565N4EDFB#30 | Renesas R5F565N4EDFB#30                         |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>R5F565N7BDFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 7129 pcs<br/><div>RFQ</div></div> |  <div><b>R5F565N7ADFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 100LQFP<br/>In stock: 7354 pcs<br/><div>RFQ</div></div> |
|  <div><b>R5F565N4BDLK#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 145LGA<br/>In stock: 9310 pcs<br/><div>RFQ</div></div>  |  <div><b>R5F565N4BDFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 9034 pcs<br/><div>RFQ</div></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/><div>RFQ</div></div>  |  <div><b>R5F565N4BDFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 8254 pcs<br/><div>RFQ</div></div> |
|  <div><b>R5F565N7ADFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 7686 pcs<br/><div>RFQ</div></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/><div>RFQ</div></div> |
|  <div><b>R5F565N4ADLK#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 145LGA<br/>In stock: 10514 pcs<br/><div>RFQ</div></div> |  <div><b>R5F565N4ADLJ#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 100LGA<br/>In stock: 11434 pcs<br/><div>RFQ</div></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/><div>RFQ</div></div> |  <div><b>R5F565N4BDLJ#20</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 512KB FLASH 100LGA<br/>In stock: 12602 pcs<br/><div>RFQ</div></div> |