

R5F523T5ADFM#30



Part Number: [R5F523T5ADFM#30](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 128KB FLASH 64LQFP

Data sheet:  [RX23T Group](#)

RoHs Status: Lead free / RoHS Compliant

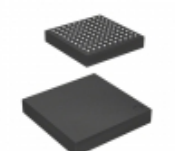
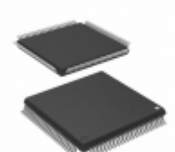
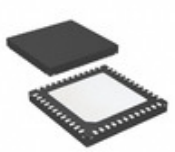
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                 |                                 |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F523T5ADFM#30                                                                 | Manufacturer                    | <a href="#">Renesas Electronics America</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 32BIT 128KB FLASH 64LQFP                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51685 pcs                                                                       | Data sheet                      | <a href="#">RX23T Group</a>                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - Supply (Vcc/Vdd)      | 2.7 V ~ 5.5 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 64-LQFP (10x10)                                                                 | Speed                           | 40MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RX200                                                                           | RAM Size                        | 10K x 8                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                                                           | Program Memory Size             | 128KB (128K x 8)                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DMA, LVD, POR, PWM, WDT                                                         | Packaging                       | Tray                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64-LQFP                                                                         | Oscillator Type                 | Internal                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 85°C (TA)                                                               | Number of I/O                   | 48                                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                                                                   | Manufacturer Standard Lead Time | 24 Weeks                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                                                      | EEPROM Size                     | -                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RX RX200 Microcontroller IC 32-Bit 40MHz 128KB (128K x 8) FLASH 64-LQFP (10x10) | Data Converters                 | A/D 10x12b                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32-Bit                                                                          | Core Processor                  | RX                                          |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | I <sup>2</sup> C, SCI, SPI                                                      |                                 |                                             |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                            |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">R5F523T5ADFL#30</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52318BDLA#20</a><br>Description: IC MCU 32BIT 512KB FLASH 100TLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F524TAADFF#31</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F524T8ADFF#31</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52318BDFP#30</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F523T3ADFM#30</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F523T5ADFD#30</a><br>Description: IC MCU 32BIT 128KB FLASH 52LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F524TAADFF#30</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F523T3ADFD#30</a><br>Description: IC MCU 32BIT 64KB FLASH 52LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52318BDFM#30</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52318BDND#U0</a><br>Description: IC MCU 32BIT 512KB FLASH 64HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F523T3ADFL#30</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F524T8ADFP#30</a><br>Description: IC MCU 32BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F524T8ADFF#30</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F524T8ADFN#31</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52318BDNE#U0</a><br>Description: IC MCU 32BIT 512KB FLASH 48HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F524T8ADFN#30</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F524TAADFM#31</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F524T8ADFP#31</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

Related keywords for R5F523T5ADFM#30

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