

R5F52105BDFN#30



Part Number: [R5F52105BDFN#30](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 128KB FLASH 80LQFP

Data sheet:  [RX210 Group](#)  
 [RX210 Group Hrdw Manual](#)

RoHs Status: Lead free / RoHS Compliant

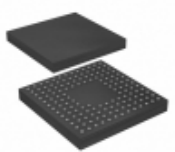
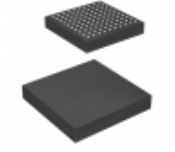
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                 |                                 |                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F52105BDFN#30                                                                 | Manufacturer                    | <a href="#">Renesas Electronics America</a>                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 32BIT 128KB FLASH 80LQFP                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 26313 pcs                                                                       | Data sheet                      | <a href="#">RX210 Group</a><br><a href="#">RX210 Group Hrdw Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - Supply (Vcc/Vdd)      | 1.62 V ~ 5.5 V                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 80-LQFP (12x12)                                                                 | Speed                           | 50MHz                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RX200                                                                           | RAM Size                        | 20K x 8                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                                                           | Program Memory Size             | 128KB (128K x 8)                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DMA, LVD, POR, PWM, WDT                                                         | Packaging                       | Tray                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 80-LQFP                                                                         | Oscillator Type                 | Internal                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 85°C (TA)                                                               | Number of I/O                   | 64                                                                     |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                                                                   | Manufacturer Standard Lead Time | 24 Weeks                                                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                                                      | EEPROM Size                     | 8K x 8                                                                 |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RX RX200 Microcontroller IC 32-Bit 50MHz 128KB (128K x 8) FLASH 80-LQFP (12x12) | Data Converters                 | A/D 14x12b; D/A 2x10b                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32-Bit                                                                          | Core Processor                  | RX                                                                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | I <sup>2</sup> C, SCI, SPI                                                      |                                 |                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                            |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">R5F52104BDFL#30</a><br>Description: IC MCU 32BIT 96KB FLASH 48LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52105BDFM#30</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52105BDLK#U0</a><br>Description: IC MCU 32BIT 128KB FLASH 145LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52103BDFM#30</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52105BDFB#30</a><br>Description: IC MCU 32BIT 128KB FLASH 144QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52105BDFL#30</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F51308ADFN#30</a><br>Description: RX130 MCU 512K/48K 80LQFP -40_+8 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52103BDFL#30</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52106BDFM#30</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52106BDFN#30</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52104BDFF#V0</a><br>Description: IC MCU 32BIT 96KB FLASH 80LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52106BDFF#V0</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52106BDBM#U0</a><br>Description: IC MCU 32BIT 256KB FLASH 69WFBGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52105BDLA#U0</a><br>Description: IC MCU 32BIT 128KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52106BDFB#30</a><br>Description: IC MCU 32BIT 256KB FLASH 144QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52105BDLJ#U0</a><br>Description: IC MCU 32BIT 128KB FLASH 100LGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52106BDFL#30</a><br>Description: IC MCU 32BIT 256KB FLASH 48LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52105BDFP#30</a><br>Description: IC MCU 32BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F51308ADFP#30</a><br>Description: 32BIT MCU RX130 512K LQFP-100 -4 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F52104BDFM#30</a><br>Description: IC MCU 32BIT 96KB FLASH 64LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

| Related keywords for R5F52105BDFN#30        |                                         |                          |                       |
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