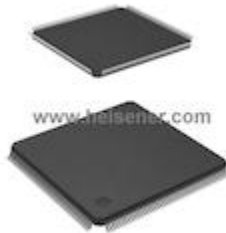


**R5F56316CDFC#V0 Information**


For Reference Only

**Part Number** [R5F56316CDFC#V0](#)  
**Manufacturer** Renesas Electronics America  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 32BIT 256KB FLASH 176QFP  
**Package** 176-LQFP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)



[Request a Quote](#)

**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**R5F56316CDFC#V0 Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">R5F56316CDFC#V0</a>  |
| Manufacturer               | Renesas Electronics America  |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 176-LQFP   |
| Series                     | RX600  |
| Core Processor             | RX   |
| Core Size                  | 32-Bit   |
| Speed                      | 100MHz   |
| Connectivity               | CAN, EBI/EMI, I2C, LIN, SCI, SPI, USB                                    |
| Peripherals                | DMA, LVD, POR, PWM, WDT  |
| Number of I/O              | 133  |
| Program Memory Size        | 256KB (256K x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | 32K x 8  |
| RAM Size                   | 128K x 8   |
| Voltage - Supply (Vcc/Vdd) | 2.7 V ~ 3.6 V  |
| Data Converters            | A/D 8x10b, 21x12b, D/A 2x10b   |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 176-LQFP   |
| Supplier Device Package    | 176-LFQFP (24x24)  |

[Report errors?](#)

## R5F56316CDFC#V0 Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## R5F56316CDFC#V0 Payment Methods



## R5F56316CDFC#V0 Shipping Methods



If you have any question about R5F56316CDFC#V0, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)