



Renesas Electronics America



R5F56316DDFC#V0

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F56316DDFC#V0                                                                                              |
| Manufacturer/Brand: | Renesas Electronics America                                                                                  |
| Product description | IC MCU 32BIT 256KB FLASH 176QFP                                                                              |
| Datasheets:         |  1.R5F56316DDFC#V0.pdf      |
|                     |  2.R5F56316DDFC#V0.pdf      |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

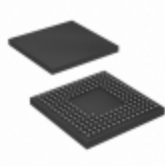
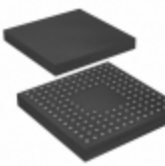
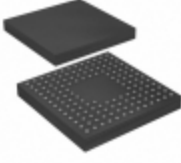
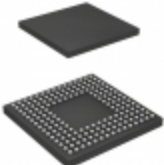
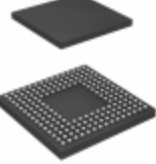
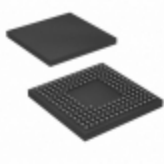
Specifications of R5F56316DDFC#V0

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | R5F56316DDFC#V0                                                                                                                                                                                                        |
| MANUFACTURER                     | Renesas Electronics America                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 176QFP                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| DATA SHEET                       |  1.R5F56316DDFC#V0.pdf<br> 2.R5F56316DDFC#V0.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.6 V                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 176-LFQFP (24x24)                                                                                                                                                                                                      |
| SPEED                            | 100MHz                                                                                                                                                                                                                 |
| SERIES                           | RX600                                                                                                                                                                                                                  |
| RAM SIZE                         | 128K x 8                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                       |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 176-LQFP                                                                                                                                                                                                               |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 133                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| EEPROM SIZE                      | 32K x 8                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | RX RX600 Microcontroller IC 32-Bit 100MHz 256KB (256K x 8) FLASH 176-LFQFP (24x24)                                                                                                                                     |
| DATA CONVERTERS                  | A/D 8x10b, 21x12b, D/A 2x10b                                                                                                                                                                                           |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | RX                                                                                                                                                                                                                     |
| CONNECTIVITY                     | CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, SCI, SPI, USB                                                                                                                                                               |

Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| Renesas Electronics America R5F56316DDFC#V0 | R5F56316DDFC#V0 Distributor             | R5F56316DDFC#V0 Supplier                        |
| R5F56316DDFC#V0 Price                       | R5F56316DDFC#V0 Pictures                | R5F56316DDFC#V0 Image                           |
| R5F56316DDFC#V0 PDF Datasheet               | R5F56316DDFC#V0 Download Datasheet      | R5F56316DDFC#V0 Datasheet                       |
| R5F56316DDFC#V0 Stock                       | Buy R5F56316DDFC#V0                     | Buy Renesas Electronics America R5F56316DDFC#V0 |
| Renesas Electronics America R5F56316DDFC#V0 | Renesas Electronics America Supplier    | Renesas Electronics America Distributor         |
| Renesas Electronics America R5F56316DDFC#V0 | Renesas Technology Corp R5F56316DDFC#V0 | Renesas R5F56316DDFC#V0                         |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
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|  <div><b>R5F56316DDLK#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 177LGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>R5F56316CDLK#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 145LGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>R5F56316DDLK#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 145LGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>R5F56316DDFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>R5F56316CDFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 100QFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>R5F56316DDBG#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 176BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>R5F56316SDBG#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 176BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>R5F56316CDLC#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 177LGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>R5F56316DDLJ#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 100LGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>R5F56316CDLJ#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 100LGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>R5F56316SDFB#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 144QFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>R5F56316DDFB#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 32BIT 256KB FLASH 144QFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |