



Renesas Electronics America



R5F213MCQNNP#U0

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F213MCQNNP#U0                                                                                              |
| Manufacturer/Brand: | Renesas Electronics America                                                                                  |
| Product description | IC MCU 16BIT 112KB FLASH 40HWQFN                                                                             |
| Datasheets:         |  1.R5F213MCQNNP#U0.pdf      |
|                     |  2.R5F213MCQNNP#U0.pdf      |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 9932 pcs stock                                                                                               |
| 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 R5F213MCQNNP#U0

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | R5F213MCQNNP#U0                                                                                                                                                                                                        |
| MANUFACTURER                     | Renesas Electronics America                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 112KB FLASH 40HWQFN                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 9932 pcs                                                                                                                                                                                                               |
| DATA SHEET                       |  1.R5F213MCQNNP#U0.pdf<br> 2.R5F213MCQNNP#U0.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 40-HWQFN (6x6)                                                                                                                                                                                                         |
| SPEED                            | 16MHz                                                                                                                                                                                                                  |
| SERIES                           | R8C/3x/3MQ                                                                                                                                                                                                             |
| RAM SIZE                         | 7.5K x 8                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 112KB (112K x 8)                                                                                                                                                                                                       |
| PERIPHERALS                      | POR, PWM, Voltage Detect, WDT                                                                                                                                                                                          |
| PACKAGING                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 40-WFQFN Exposed Pad                                                                                                                                                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -20°C ~ 85°C (TA)                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 18                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| EEPROM SIZE                      | -                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | R8C R8C/3x/3MQ Microcontroller IC 16-Bit 16MHz 112KB (112K x 8) FLASH 40-HWQFN (6x6)                                                                                                                                   |
| DATA CONVERTERS                  | -                                                                                                                                                                                                                      |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | R8C                                                                                                                                                                                                                    |
| CONNECTIVITY                     | I²C, SIO, SSU, UART/USART                                                                                                                                                                                              |
| BASE PART NUMBER                 | R5F213                                                                                                                                                                                                                 |

Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| Renesas Electronics America R5F213MCQNNP#U0 | R5F213MCQNNP#U0 Distributor             | R5F213MCQNNP#U0 Supplier                        |
| R5F213MCQNNP#U0 Price                       | R5F213MCQNNP#U0 Pictures                | R5F213MCQNNP#U0 Image                           |
| R5F213MCQNNP#U0 PDF Datasheet               | R5F213MCQNNP#U0 Download Datasheet      | R5F213MCQNNP#U0 Datasheet                       |
| R5F213MCQNNP#U0 Stock                       | Buy R5F213MCQNNP#U0                     | Buy Renesas Electronics America R5F213MCQNNP#U0 |
| Renesas Electronics America R5F213MCQNNP#U0 | Renesas Electronics America Supplier    | Renesas Electronics America Distributor         |
| Renesas Electronics America R5F213MCQNNP#U0 | Renesas Technology Corp R5F213MCQNNP#U0 | Renesas R5F213MCQNNP#U0                         |

Related Products

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|  <div><b>R5F213N7TNBX#W5</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48KB FLASH 48WPP<br/>In stock: 2824 pcs</div> <div>RFQ</div>    |  <div><b>R5F213M8UNNP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 64KB FLASH 40HWQFN<br/>In stock: 3946 pcs</div> <div>RFQ</div>   |
|  <div><b>R5F2C2BCSNFA#V2</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU<br/>In stock: 4132 pcs</div> <div>RFQ</div>                           |  <div><b>R5F213M8UNNP#W0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 64KB FLASH 40HWQFN<br/>In stock: 4545 pcs</div> <div>RFQ</div>   |
|  <div><b>R5F213MCKNNP#W0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 40HWQFN<br/>In stock: 4168 pcs</div> <div>RFQ</div> |  <div><b>R5F2C2B7SNFA#V2</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU<br/>In stock: 3730 pcs</div> <div>RFQ</div>                            |
|  <div><b>R5F213MAQNNP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 96KB FLASH 40HWQFN<br/>In stock: 14213 pcs</div> <div>RFQ</div> |  <div><b>R5F213MCKNNP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 40HWQFN<br/>In stock: 12711 pcs</div> <div>RFQ</div> |
|  <div><b>R5F2C2B7SNFA#X6</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU<br/>In stock: 4413 pcs</div> <div>RFQ</div>                           |  <div><b>R5F2C2BASNFA#V2</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU<br/>In stock: 3265 pcs</div> <div>RFQ</div>                            |
|  <div><b>R5F213MCUNNP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU LQFP<br/>In stock: 6740 pcs</div> <div>RFQ</div>                      |  <div><b>R5F213M8QNNP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 64KB FLASH 40HWQFN<br/>In stock: 13604 pcs</div> <div>RFQ</div>  |