



Image may be representation. See specifications for product details.

### R5F212E2DFP#W4

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F212E2DFP#W4                                                                                                       |
| Manufacturer/Brand: | Renesas Electronics America                                                                                          |
| Product description | IC MCU 16BIT 8KB FLASH 32LQFP                                                                                        |
| Datasheets:         |  <a href="#">R5F212E2DFP#W4.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant         |
| Stock Condition     | 5891 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

#### Specifications of R5F212E2DFP#W4

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | R5F212E2DFP#W4                                                                                                         |
| MANUFACTURER                     | Renesas Electronics America                                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 8KB FLASH 32LQFP                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                             |
| QUANTITY AVAILABLE               | 5891 pcs                                                                                                               |
| DATA SHEET                       |  <a href="#">R5F212E2DFP#W4.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 32-LQFP (7x7)                                                                                                          |
| SPEED                            | 20MHz                                                                                                                  |
| SERIES                           | R8C/2x/2E                                                                                                              |
| RAM SIZE                         | 512 x 8                                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                  |
| PROGRAM MEMORY SIZE              | 8KB (8K x 8)                                                                                                           |
| PERIPHERALS                      | POR, PWM, Voltage Detect, WDT                                                                                          |
| PACKAGING                        | Tape & Reel (TR)                                                                                                       |
| PACKAGE / CASE                   | 32-LQFP                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                      |
| NUMBER OF I/O                    | 25                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                             |
| EEPROM SIZE                      | -                                                                                                                      |
| DETAILED DESCRIPTION             | R8C R8C/2x/2E Microcontroller IC 16-Bit 20MHz 8KB (8K x 8) FLASH 32-LQFP (7x7)                                         |
| DATA CONVERTERS                  | A/D 12x10b; D/A 2x8b                                                                                                   |
| CORE SIZE                        | 16-Bit                                                                                                                 |
| CORE PROCESSOR                   | R8C                                                                                                                    |
| CONNECTIVITY                     | LINbus, SIO, UART/USART                                                                                                |
| BASE PART NUMBER                 | R5F212E                                                                                                                |

#### Related Tags

|                                            |                                        |                                                |
|--------------------------------------------|----------------------------------------|------------------------------------------------|
| Renesas Electronics America R5F212E2DFP#W4 | R5F212E2DFP#W4 Distributor             | R5F212E2DFP#W4 Supplier                        |
| R5F212E2DFP#W4 Price                       | R5F212E2DFP#W4 Pictures                | R5F212E2DFP#W4 Image                           |
| R5F212E2DFP#W4 PDF Datasheet               | R5F212E2DFP#W4 Download Datasheet      | R5F212E2DFP#W4 Datasheet                       |
| R5F212E2DFP#W4 Stock                       | Buy R5F212E2DFP#W4                     | Buy Renesas Electronics America R5F212E2DFP#W4 |
| Renesas Electronics America R5F212E2DFP#W4 | Renesas Electronics America Supplier   | Renesas Electronics America Distributor        |
| Renesas Electronics America R5F212E2DFP#W4 | Renesas Technology Corp R5F212E2DFP#W4 | Renesas R5F212E2DFP#W4                         |

#### Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>R5F212E2YFP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 8KB FLASH 32LQFP<br/>In stock: 3802 pcs<br/><div>RFQ</div></div>     |  <div><b>R5F212E4NFP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 16KB FLASH 32LQFP<br/>In stock: 3844 pcs<br/><div>RFQ</div></div>   |
|  <div><b>R5F212DCSNFP#V2</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 80LQFP<br/>In stock: 14788 pcs<br/><div>RFQ</div></div> |  <div><b>R5F212E2NFP#W4</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 8KB FLASH 32LQFP<br/>In stock: 3566 pcs<br/><div>RFQ</div></div>    |
|  <div><b>R5F212E4DFP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 16KB FLASH 32LQFP<br/>In stock: 4524 pcs<br/><div>RFQ</div></div>    |  <div><b>R5F212DASDFP#V2</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 96KB FLASH 80LQFP<br/>In stock: 3399 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F212E2DFP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 8KB FLASH 32LQFP<br/>In stock: 4077 pcs<br/><div>RFQ</div></div>     |  <div><b>R5F212E2NFP#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 8KB FLASH 32LQFP<br/>In stock: 6401 pcs<br/><div>RFQ</div></div>    |
|  <div><b>R5F212E4DFP#W4</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 16KB FLASH 32LQFP<br/>In stock: 3426 pcs<br/><div>RFQ</div></div>    |  <div><b>R5F212DCSDFP#V2</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 80LQFP<br/>In stock: 6619 pcs<br/><div>RFQ</div></div> |
|  <div><b>R5F212D8SNFP#V2</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 64KB FLASH 80LQFP<br/>In stock: 3358 pcs<br/><div>RFQ</div></div>   |  <div><b>R5F212DASNFP#V2</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 96KB FLASH 80LQFP<br/>In stock: 9444 pcs<br/><div>RFQ</div></div>  |