

DF2238RTF6V



Part Number: [DF2238RTF6V](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 256KB FLASH 100TQFP

Data sheet:  [H8S/2258,2239/8/7,2227 Groups Hrdw Manual](#)

RoHs Status: Lead free / RoHS Compliant

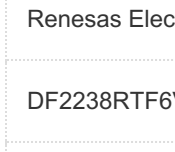
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                |                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DF2238RTF6V                               | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 256KB FLASH 100TQFP          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5209 pcs                                  | Data sheet                     | <a href="#">H8S/2258,2239/8/7,2227 Groups Hrdw Manual</a>                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.2 V ~ 3.6 V                                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100-TQFP (12x12)                          | Speed                          | 6MHz                                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | H8® H8S/2200                              | RAM Size                       | 16K x 8                                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                     | Program Memory Size            | 256KB (256K x 8)                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | POR, PWM, WDT                             | Packaging                      | Tray                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100-TQFP                                  | Oscillator Type                | Internal                                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -20°C ~ 75°C (TA)                         | Number of I/O                  | 72                                                                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Detailed Description           | H8S/2000 H8® H8S/2200 Microcontroller IC 16-Bit 6MHz 256KB (256K x 8) FLASH 100-TQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A/D 8x10b; D/A 2x8b                       | Core Size                      | 16-Bit                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | H8S/2000                                  | Connectivity                   | I <sup>2</sup> C, SCI, SmartCard                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DF2238                                    |                                |                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                            |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DF2238RBR13WV</a><br>Description: IC MCU 16BIT 256KB FLASH 112BGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2258FA13IV</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2238BTE13V</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2239TE20V</a><br>Description: IC MCU 16BIT 384KB FLASH 100TQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2238RTF13</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2265FA13V</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2238RTF13V</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2239FA16V</a><br>Description: IC MCU 16BIT 384KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2239TF16V</a><br>Description: IC MCU 16BIT 384KB FLASH 100TQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2238RTE13V</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DF2238RFA13V</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2239FA20IV</a><br>Description: IC MCU 16BIT 384KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2258FA13V</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2238BTF13V</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2239FA20V</a><br>Description: IC MCU 16BIT 384KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

| Related keywords for DF2238RTF6V        |                                     |                      |                   |
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