

DF38602RFT10V



Part Number: [DF38602RFT10V](#)

Manufacturer [Renesas Electronics America](#)

Description IC MCU 16BIT 16KB FLASH 32VQFN

Data sheet:  [H8/38602R Group Hardware Manual](#)

RoHs Status: Lead free / RoHS Compliant

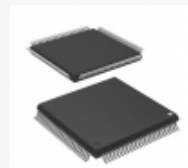
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                  |                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                       | DF38602RFT10V                                                                              | Manufacturer                     | <a href="#">Renesas Electronics America</a>     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                       | IC MCU 16BIT 16KB FLASH 32VQFN                                                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                | 4024 pcs                                                                                   | Data sheet                       | <a href="#">H8/38602R Group Hardware Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>                                                  | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 3.6 V                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                           | 32-VQFN (5x6)                                                                              | Speed                            | 10MHz                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                            | H8® H8/300H SLP                                                                            | RAM Size                         | 1K x 8                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                               | FLASH                                                                                      | Program Memory Size              | 16KB (16K x 8)                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                       | POR, PWM, WDT                                                                              | Packaging                        | Tray                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-VFQFN                                                                                   | Other Names                      | HD64F38602RFT10V                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                   | Internal                                                                                   | Operating Temperature            | -20°C ~ 75°C (TA)                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                     | 13                                                                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                    | Lead free / RoHS Compliant                                                                 | EEPROM Size                      | -                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                              | H8/300H H8® H8/300H SLP Microcontroller IC 16-Bit 10MHz 16KB (16K x 8) FLASH 32-VQFN (5x6) | Data Converters                  | A/D 6x10b                                       |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                         | 16-Bit                                                                                     | Core Processor                   | H8/300H                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                      | I²C, IrDA, SCI, SSU                                                                        | Base Part Number                 | DF38602                                         |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                                            |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DF38347XWV</a><br>Description: IC MCU 8BIT 60KB FLASH 100TQFP          | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38A-40S-0.3V(51)</a><br>Description: CONN RCPT 0.3MM 40POS SMD       | Manufacturers: <a href="#">Hirose</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">DF38602RFH4WV</a><br>Description: IC MCU 16BIT 16KB FLASH 32LQFP       | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38347WV</a><br>Description: IC MCU 8BIT 60KB FLASH 100TQFP           | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38A-30S-0.3V(51)</a><br>Description: CONN RCPT 0.3MM 30POS SMD       | Manufacturers: <a href="#">Hirose</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">DF38602RFH4V</a><br>Description: IC MCU                                | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38524WV</a><br>Description: IC MCU 8BIT 32KB FLASH 80TQFP            | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38A-32S-0.3V(51)</a><br>Description: CONN RECEPT 32POS 0.3MM         | Manufacturers: <a href="#">Hirose</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">DF38602RFH10V</a><br>Description: IC MCU                               | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38427HV</a><br>Description: IC MCU 8BIT 60KB FLASH 80QFP             | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38602RFT10V</a><br>Description: IC MCU 16BIT 16KB FLASH 32VQFN       | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38524HV</a><br>Description: IC MCU 8BIT 32KB FLASH 80QFP             | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38602RFT4WV</a><br>Description: IC MCU 16BIT 16KB FLASH 32VQFN       | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38799FP10V</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP       | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38799FP4V</a><br>Description: IC MCU                                 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38799FP10WV</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP      | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38AJ-30S-0.3V(51)</a><br>Description: CONN RCPT TEST 0.3MM 30POS SMD | Manufacturers: <a href="#">Hirose</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">DF38347WVV</a><br>Description: IC MCU 8BIT 60KB FLASH 100TQFP          | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38602RFT4V</a><br>Description: IC MCU 16BIT 16KB FLASH 32VQFN        | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF38347XV</a><br>Description: IC MCU 8BIT 60KB FLASH 100TQFP           | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

Related keywords for **DF38602RFT10V**

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