

DF2633TE16V



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RENESAS

Part Number: [DF2633TE16V](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 256KB FLASH 120TQFP

Data sheet:  [H8S/2633 Group Hrdw Manual](#)

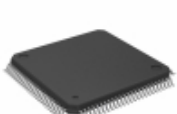
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                |                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DF2633TE16V                               | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 256KB FLASH 120TQFP          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5177 pcs                                  | Data sheet                     | <a href="#">H8S/2633 Group Hrdw Manual</a>                                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 120-TQFP (14x14)                          | Speed                          | 16MHz                                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | H8® H8S/2600                              | RAM Size                       | 16K x 8                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                     | Program Memory Size            | 256KB (256K x 8)                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DMA, POR, PWM, WDT                        | Packaging                      | Tray                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 120-TQFP                                  | Oscillator Type                | Internal                                                                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -20°C ~ 75°C (TA)                         | Number of I/O                  | 73                                                                                            |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                    |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Detailed Description           | H8S/2600 H8® H8S/2600 Microcontroller IC 16-Bit 16MHz 256KB (256K x 8) FLASH 120-TQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A/D 16x10b; D/A 4x8b                      | Core Size                      | 16-Bit                                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | H8S/2600                                  | Connectivity                   | I²C, IrDA, SCI, SmartCard                                                                     |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DF2633                                    |                                |                                                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                            |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DF2636UF20JV</a><br>Description: IC MCU 16BIT 128KB FLASH 128QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2633F16V</a><br>Description: IC MCU 16BIT 256KB FLASH 128QFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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