

DF71252D50FAV#Z1



Part Number: [DF71252D50FAV#Z1](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 64KB FLASH 64QFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

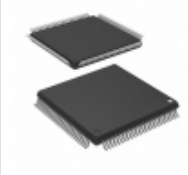
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                |                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DF71252D50FAV#Z1                          | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 32BIT 64KB FLASH 64QFP             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4803 pcs                                  | Data sheet                     |                                                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4 V ~ 5.5 V                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 64-QFP (14x14)                            | Speed                          | 50MHz                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SuperH® SH Tiny                           | RAM Size                       | 8K x 8                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                     | Program Memory Size            | 64KB (64K x 8)                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | POR, PWM, WDT                             | Packaging                      | Tray                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64-BQFP                                   | Oscillator Type                | External                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 85°C (TA)                         | Number of I/O                  | 37                                                                                       |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                               |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Detailed Description           | SH-2 SuperH® SH Tiny Microcontroller IC 32-Bit 50MHz 64KB (64K x 8) FLASH 64-QFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A/D 8x10b                                 | Core Size                      | 32-Bit                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SH-2                                      | Connectivity                   | SCI                                                                                      |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DF71252                                   |                                |                                                                                          |
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Related keywords for DF71252D50FAV#Z1

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