

DF71250AN50FPV



Part Number: [DF71250AN50FPV](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 16KB FLASH 64LQFP

Data sheet:  [SH7124, 7125 Group Hardware Manual](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | DF71250AN50FPV                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 32BIT 16KB FLASH 64LQFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                 | 4111 pcs                                  | Data sheet                     | <a href="#">SH7124, 7125 Group Hardware Manual</a>                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4 V ~ 5.5 V                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                            | 64-LQFP (10x10)                           | Speed                          | 50MHz                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                             | SuperH® SH Tiny                           | RAM Size                       | 4K x 8                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 16KB (16K x 8)                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                        | POR, PWM, WDT                             | Packaging                      | Tray                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-LQFP                                   | Oscillator Type                | External                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                              | -20°C ~ 85°C (TA)                         | Number of I/O                  | 37                                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                   | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description           | SH-2 SuperH® SH Tiny Microcontroller IC 32-Bit 50MHz 16KB (16K x 8) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 8x10b                                 | Core Size                      | 32-Bit                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                     | SH-2                                      | Connectivity                   | SCI                                                                                       |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | DF71250                                   |                                |                                                                                           |
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|  | Part#: <a href="#">DF71242N50FPV#Z1</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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