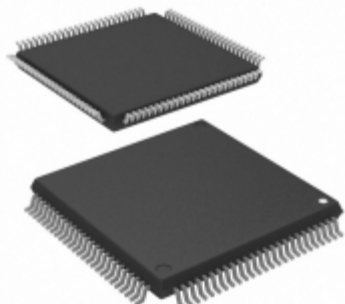


R5F72433D100FP#U0



**Part Number:** [R5F72433D100FP#U0](#)

**Manufacturer:** [Renesas Electronics America](#)

**Description:** IC MCU 32BIT 128KB FLASH 100QFP

**Data sheet:**  [SH7280, SH7243 Group Hrdw Manual](#)

**RoHs Status:** Lead free / RoHS Compliant

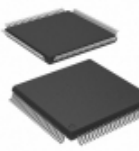
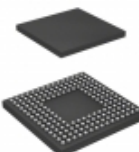
**Ship From:** Hong Kong

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

Images are for reference only.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                              |                                  |                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                           | R5F72433D100FP#U0                                                                            | Manufacturer                     | <a href="#">Renesas Electronics America</a>      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 32BIT 128KB FLASH 100QFP                                                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                    | 6479 pcs                                                                                     | Data sheet                       | <a href="#">SH7280, SH7243 Group Hrdw Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a>                                                    | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 5.5 V                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                               | 100-LQFP (14x14)                                                                             | Speed                            | 100MHz                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                | SuperH® SH7243                                                                               | RAM Size                         | 8K x 8                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                                                                        | Program Memory Size              | 128KB (128K x 8)                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                           | DMA, PWM, WDT                                                                                | Packaging                        | Tray                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                        | 100-LQFP                                                                                     | Other Names                      | R5F72433D100FPU0                                 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                       | External                                                                                     | Operating Temperature            | -40°C ~ 85°C (TA)                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                         | 63                                                                                           | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                        | Lead free / RoHS Compliant                                                                   | EEPROM Size                      | -                                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                  | SH2A SuperH® SH7243 Microcontroller IC 32-Bit 100MHz 128KB (128K x 8) FLASH 100-LQFP (14x14) | Data Converters                  | A/D 8x12b                                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                             | 32-Bit                                                                                       | Core Processor                   | SH2A                                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                          | SCI                                                                                          | Base Part Number                 | R5F72433                                         |
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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">R5F72395ADFP#V0</a><br>Description: IC MCU 32BIT 512KB FLASH 120LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72865D100FP#U2</a><br>Description: IC MCU 32BIT 512KB FLASH 176QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72865D100FA#U2</a><br>Description: IC MCU 32BIT 512KB FLASH 176LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72866D100FP#U2</a><br>Description: IC MCU 32BIT 768KB FLASH 176QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72395BDFP#V0</a><br>Description: IC MCU 32BIT 512KB FLASH 120LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72856D100FP#U2</a><br>Description: IC MCU 32BIT 768KB FLASH 144QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72865N100FA#U2</a><br>Description: IC MCU 32BIT 512KB FLASH 176LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72167GDFA#V1</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP     | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72394ADFP#V0</a><br>Description: IC MCU 32BIT 256KB FLASH 120LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72856N100FP#U2</a><br>Description: IC MCU 32BIT 768KB FLASH 144QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72434D100FP#U0</a><br>Description: IC MCU 32BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72167BDBG#U1</a><br>Description: IC MCU 32BIT 1MB FLASH 176LFBGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72375ADFP#V0</a><br>Description: IC MCU 32BIT 512KB FLASH 120LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72374ADFP#V0</a><br>Description: IC MCU 32BIT 256KB FLASH 120LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72513RKBGV</a><br>Description: IC MCU 2M +128K FLASH BGA            | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72394BDFP#V0</a><br>Description: IC MCU 32BIT 256KB FLASH 120LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72375BDFP#V0</a><br>Description: IC MCU 32BIT 512KB FLASH 120LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72865N100FP#U2</a><br>Description: IC MCU 32BIT 512KB FLASH 176QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72374BDFP#V0</a><br>Description: IC MCU 32BIT 256KB FLASH 120LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72855D100FP#U2</a><br>Description: IC MCU 32BIT 512KB FLASH 144QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |

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