

R5F72856N100FP#U2



**Part Number:** [R5F72856N100FP#U2](#)

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

**Description:** IC MCU 32BIT 768KB FLASH 144QFP

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

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

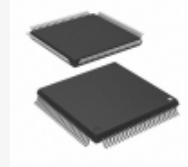
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
**Buy R5F72856N100FP#U2 with confidence from Component-World.HK, 1 Year Warranty**

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                  |                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | R5F72856N100FP#U2                         | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 32BIT 768KB FLASH 144QFP           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3574 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                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 144-LQFP (20x20)                          | Speed                            | 100MHz                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SuperH® SH7280                            | RAM Size                         | 32K x 8                                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FLASH                                     | Program Memory Size              | 768KB (768K x 8)                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DMA, PWM, WDT                             | Packaging                        | Tray                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 144-LQFP                                  | Other Names                      | R5F72856N100FP#U0<br>R5F72856N100FP#U0-ND<br>R5F72856N100FPU2                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | External                                  | Operating Temperature            | -20°C ~ 85°C (TA)                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 91                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 24 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                         | Detailed Description             | SH2A SuperH® SH7280 Microcontroller IC 32-Bit 100MHz 768KB (768K x 8) FLASH 144-LQFP (20x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A/D 8x12b                                 | Core Size                        | 32-Bit                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SH2A                                      | Connectivity                     | I²C, SCI, SSU, USB                                                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | R5F72856                                  |                                  |                                                                                              |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Renesas Electronics America series electronic components. We have 3574 pieces of Renesas Electronics America R5F72856N100FP#U2 in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                  |                                                                                              |

| RELATED PRODUCTS                                                                   |                                                                                           |                                                            |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | 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="#">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="#">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="#">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="#">R5F72855D100FP#U2</a><br>Description: IC MCU 32BIT 512KB FLASH 144QFP  | 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="#">R5F72867N100FA#U2</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5FBLKBLKEF0</a><br>Description: SWITCH ROCKER DPST-NO 20A 125V        | Manufacturers: <a href="#">E-Switch</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="#">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="#">R5F72867N100FP#U2</a><br>Description: IC MCU 32BIT 1MB FLASH 176LFQFP  | 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="#">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="#">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="#">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="#">R5FBLKBLKFF0</a><br>Description: SWITCH ROCKER DPST-NO 20A 125V        | Manufacturers: <a href="#">E-Switch</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="#">R5FZ</a><br>Description: CONN PLUG FEMALE XLR 5POS SOLDER              | Manufacturers: <a href="#">Conxall / Switchcraft</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F72433D100FP#U0</a><br>Description: IC MCU 32BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |

|                                               |                                           |                            |                         |
|-----------------------------------------------|-------------------------------------------|----------------------------|-------------------------|
| Related keywords for <b>R5F72856N100FP#U2</b> |                                           |                            |                         |
| Renesas Electronics America R5F72856N100FP#U2 | R5F72856N100FP#U2 distributor             | R5F72856N100FP#U2 supplier | R5F72856N100FP#U2 price |
| R5F72856N100FP#U2 download datasheet          | R5F72856N100FP#U2 datasheet               | R5F72856N100FP#U2 stock    | buy R5F72856N100FP#U2   |
| Renesas Electronics America R5F72856N100FP#U2 | Renesas Technology Corp R5F72856N100FP#U2 | Renesas R5F72856N100FP#U2  |                         |