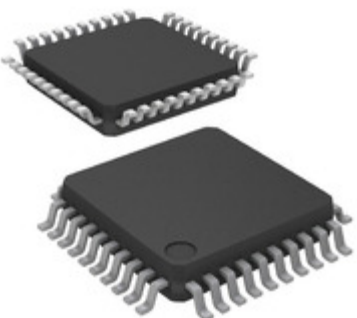


R7FS128783A01CFJ#AA0



**Part Number:** [R7FS128783A01CFJ#AA0](#)

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

**Description:** IC MCU 32BIT 256KB FLASH 32LQFP

**Data sheet:**  [S128 Microcontroller Datasheet](#)

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

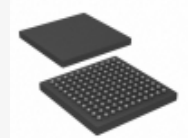
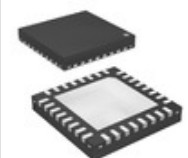
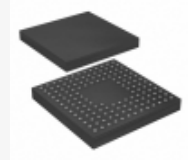
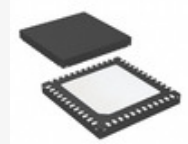
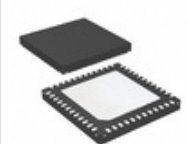
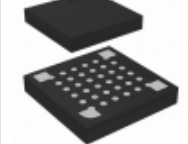
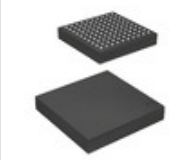
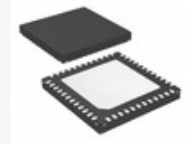
**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | R7FS128783A01CFJ#AA0                      | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 256KB FLASH 32LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5138 pcs                                  | Data sheet                     | <a href="#">S128 Microcontroller Datasheet</a>                                                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.6 V ~ 5.5 V                                                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-LQFP (7x7)                             | Speed                          | 32MHz                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Renesas Synergy™ S1                       | RAM Size                       | 24K x 8                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size            | 256KB (256K x 8)                                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 32-LQFP                                   | Oscillator Type                | Internal                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 105°C (TA)                        | Number of I/O                  | 24                                                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4K x 8                                    | Detailed Description           | ARM® Cortex®-M0+ Renesas Synergy™ S1 Microcontroller IC 32-Bit 32MHz 256KB (256K x 8) FLASH 32-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 10x14b, D/A 3x8b                      | Core Size                      | 32-Bit                                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-M0+                          | Connectivity                   | CANbus, DALI, I²C, SCI, SPI, UART/USART, USB                                                              |
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|  | Part#: <a href="#">R7FS3A17C2A01CBJ#AC0</a><br>Description: SYNERGY MCU PLATFORM S3A1 1MB 12 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS128783A01CNG#AC1</a><br>Description: SYNERGY MCU PLATFORM S128 256K 3 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS3A17C2A01CLK#AC0</a><br>Description: SYNERGY MCU PLATFORM S3A1 1MB 14 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS128783A01CFL#AA0</a><br>Description: IC MCU 32BIT 256KB FLASH 48LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS124773A01CNE#AC1</a><br>Description: SYNERGY MCU PLATFORM S124 128K 4 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS128783A01CNE#AC1</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS128783A01CFL#AA1</a><br>Description: IC MCU 32BIT 256KB FLASH 48LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS124773A01CNF#AC1</a><br>Description: SYNERGY MCU PLATFORM S124 128K 4 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS124773A01CFM#AA1</a><br>Description: SYNERGY MCU PLATFORM S124 128K 6 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS124773A01CFL#AA1</a><br>Description: SYNERGY MCU PLATFORM S124 128K 4 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS124773A01CFM#AA0</a><br>Description: IC MCU 32BIT 128KB FLASH 64LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS3A17C3A01CFB#AA0</a><br>Description: SYNERGY MCU PLATFORM S3A1 1MB 14 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R7FS128782A01CLM#AC1</a><br>Description: SYNERGY MCU PLATFORM S128 256K 3 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS124773A01CNB#AC0</a><br>Description: IC MCU 32BIT 128KB FLASH 64HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS3A17C2A01CLJ#AC0</a><br>Description: SYNERGY MCU PLATFORM S3A1 1MB 10 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS124773A01CNE#AC0</a><br>Description: IC MCU 32BIT 128KB FLASH 48HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R7FS128783A01CFM#AA0</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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