

R7FS3A77C3A01CFM#AA1



**Part Number:** [R7FS3A77C3A01CFM#AA1](#)

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

**Description:** IC MCU 32BIT 1MB FLASH 64LQFP

**Data sheet:**  [S3A7 Datasheet](#)

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

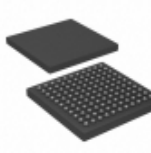
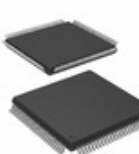
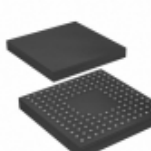
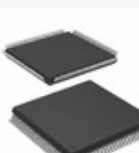
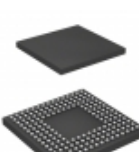
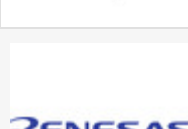
**Ship From:** Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                        |                                 |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | R7FS3A77C3A01CFM#AA1                                                                                   | Manufacturer                    | <a href="#">Renesas Electronics America</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 1MB FLASH 64LQFP                                                                          | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 11583 pcs                                                                                              | Data sheet                      | <a href="#">S3A7 Datasheet</a>              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                                              | Voltage - Supply (Vcc/Vdd)      | 1.6 V ~ 5.5 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 64-LQFP (10x10)                                                                                        | Speed                           | 48MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | Renesas Synergy™ S3                                                                                    | RAM Size                        | 192K x 8                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                                                  | Program Memory Size             | 1MB (1M x 8)                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | DMA, LVD, POR, PWM, WDT                                                                                | Packaging                       | Bulk                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 64-LQFP                                                                                                | Oscillator Type                 | Internal                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 105°C (TA)                                                                                     | Number of I/O                   | 50                                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                          | 3 (168 Hours)                                                                                          | Manufacturer Standard Lead Time | 12 Weeks                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                                             | EEPROM Size                     | 16K x 8                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                      | ARM® Cortex®-M4 Renesas Synergy™ S3 Microcontroller IC 32-Bit 48MHz 1MB (1M x 8) FLASH 64-LQFP (10x10) | Data Converters                 | A/D 18x14b, D/A 2x12b                       |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-Bit                                                                                                 | Core Processor                  | ARM® Cortex®-M4                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | CANbus, I²C, IrDA, MMC/SD, SCI, SPI, UART/USART, USB                                                   |                                 |                                             |
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|  | Part#: <a href="#">R7FS3A77C3A01CFB#AA1</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A6783A01CNB#AC0</a><br>Description: SYNERGY MCU PLATFORM S3A6 256K 6 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS5D57A3A01CFP#AA0</a><br>Description: SYNERGY MCU PLATFORM S5D5 512K 1 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A77C2A01CBJ#AC1</a><br>Description: IC MCU 32BIT 1MB FLASH 121LFBGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A6783A01CFP#AA0</a><br>Description: SYNERGY MCU PLATFORM S3A6 256K 1 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A77C2A01CLJ#AC1</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS5D97C2A01CLK#AC0</a><br>Description: IC MCU 32BIT 1MB FLASH 145TFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A77C3A01CFP#AA1</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A6783A01CNF#AC0</a><br>Description: SYNERGY MCU PLATFORM S3A6 256K 4 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS5D57A3A01CFB#AA0</a><br>Description: SYNERGY MCU PLATFORM S5D5 512K 1 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS5D97C2A01CBG#AC0</a><br>Description: IC MCU 32BIT 1MB FLASH 176LFBGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS5D57C2A01CLK#AC0</a><br>Description: SYNERGY MCU PLATFORM S5D5 384K 1 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS5D57C3A01CFP#AA0</a><br>Description: SYNERGY MCU PLATFORM S5D5 384K 1 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A6783A01CNE#AC0</a><br>Description: SYNERGY MCU PLATFORM S3A6 256K 4 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A77C2A01CLK#AC1</a><br>Description: IC MCU 32BIT 1MB FLASH 145TFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS5D57A2A01CLK#AC0</a><br>Description: SYNERGY MCU PLATFORM S5D5 512K 1 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A6783A01CFL#AA0</a><br>Description: SYNERGY MCU PLATFORM S3A6 256K 4 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A6783A01CFM#AA0</a><br>Description: SYNERGY MCU PLATFORM S3A6 256K 6 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS3A77C3A01CNB#AC1</a><br>Description: IC MCU 32BIT 1MB FLASH 64WQFN    | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|  | Part#: <a href="#">R7FS5D57C3A01CFB#AA0</a><br>Description: SYNERGY MCU PLATFORM S5D5 384K 1 | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |

Related keywords for R7FS3A77C3A01CFM#AA1

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