

R7FS5D97C3A01CFB#AA0





Part Number: [R7FS5D97C3A01CFB#AA0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 1MB FLASH 144LQFP

Data sheet:  [S5D9 Datasheet](#)  
 [S5D9 Manual Rev 1.00 Technical Update](#)  
 [S5D9 Manual](#)

RoHs Status: Lead free / RoHS Compliant

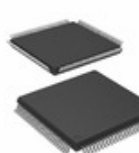
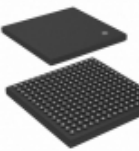
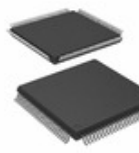
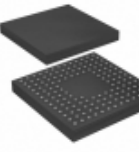
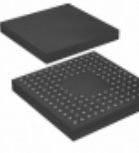
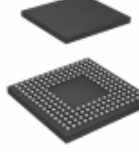
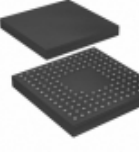
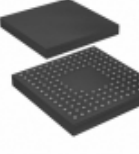
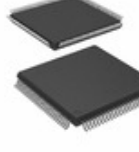
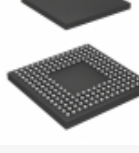
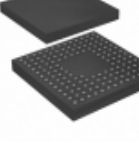
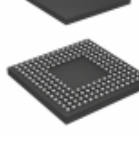
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                          |                                 |                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | R7FS5D97C3A01CFB#AA0                                                                                     | Manufacturer                    | <a href="#">Renesas Electronics America</a>                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 1MB FLASH 144LQFP                                                                           | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8610 pcs                                                                                                 | Data sheet                      | <a href="#">S5D9 Datasheet</a><br><a href="#">S5D9 Manual Rev 1.00 Technical Update</a><br><a href="#">S5D9 Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                                                | Voltage - Supply (Vcc/Vdd)      | 2.7 V ~ 3.6 V                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 144-LQFP (20x20)                                                                                         | Speed                           | 120MHz                                                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Renesas Synergy™ S5                                                                                      | RAM Size                        | 640K x 8                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                                                                    | Program Memory Size             | 1MB (1M x 8)                                                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DMA, LVD, POR, PWM, WDT                                                                                  | Packaging                       | Tray                                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 144-LQFP                                                                                                 | Oscillator Type                 | Internal                                                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 105°C (TA)                                                                                       | Number of I/O                   | 110                                                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                                                                                            | Manufacturer Standard Lead Time | 12 Weeks                                                                                                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                                                                               | EEPROM Size                     | 64K x 8                                                                                                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ARM® Cortex®-M4 Renesas Synergy™ S5 Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 144-LQFP (20x20) | Data Converters                 | A/D 22x12b, D/A 2x12b                                                                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 32-Bit                                                                                                   | Core Processor                  | ARM® Cortex®-M4                                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CANbus, EBI/EMI, Ethernet, I²C, IrDA, MMC/SD, QSPI, SCI, SPI, SSI, UART/USART, USB                       |                                 |                                                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                            |                |
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|  | Part#: <a href="#">R7FS7G27G2A01CLK#AC0</a><br>Description: IC MCU 32BIT 3MB FLASH 145LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R7FS5D97E2A01CLK#AC0</a><br>Description: IC MCU 32BIT 2MB FLASH 145TFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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