

R7FS3A37A3A01CFB#AA0



Part Number: [R7FS3A37A3A01CFB#AA0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet:  [S3A3 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

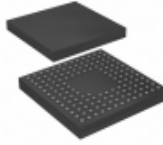
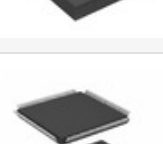
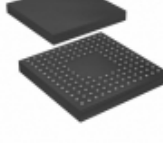
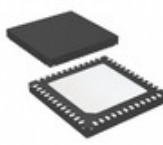
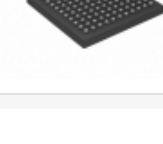
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PRODUCT PARAMETER			
Part Number	R7FS3A37A3A01CFB#AA0	Manufacturer	Renesas Electronics America
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	16759 pcs	Data sheet	S3A3 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.6 V ~ 5.5 V
Supplier Device Package	144-LQFP (20x20)	Speed	48MHz
Series	Renesas Synergy™ S3	RAM Size	96K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	124
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	8K x 8	Detailed Description	ARM® Cortex®-M4 Renesas Synergy™ S3 Microcontroller IC 32-Bit 48MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)
Data Converters	A/D 28x14b, D/A 2x8b, 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, EBI/EMI, I²C, MMC/SD, QSPI, SCI, SPI, SSI, UART/USART, USB
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	Part#: R7FS3A37A3A01CNB#AC0 Description: IC MCU 32BIT 512KB FLASH 64QFN	Manufacturers: Renesas Electronics America	RFQ
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	Part#: R7FS3A6783A01CFL#AA0 Description: SYNERGY MCU PLATFORM S3A6 256K 4	Manufacturers: Renesas Electronics America	RFQ
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