

R5F565N4ADFB#30



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RENESAS

Part Number: [R5F565N4ADFB#30](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet: [PDF RX65N, RX651 Group Hrdw Interface Manual~](#)
[PDF RX65N, RX651 Group Flash Memory Manual](#)
[PDF RX65N, RX651 Group Datasheet](#)
[PDF RX65N, RX651 Group Hrdw Manual](#)

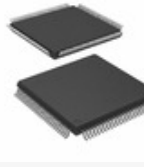
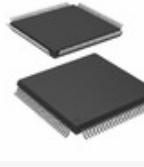
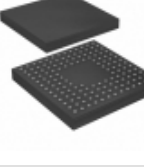
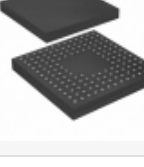
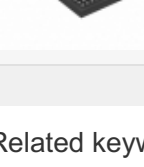
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	R5F565N4ADFB#30	Manufacturer	Renesas Electronics America
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12732 pcs	Data sheet	RX65N, RX651 Group Hrdw Interface Manual~ RX65N, RX651 Group Flash Memory Manual RX65N, RX651 Group Datasheet RX65N, RX651 Group Hrdw Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	120MHz
Series	RX65N	RAM Size	256K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	111
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	RXv2 RX65N Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-LFQFP (20x20)	Data Converters	A/D 29x12b, D/A 2x12b
Core Size	32-Bit	Core Processor	RXv2
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, LINbus, MMC/SD, QSPI, SCI, SPI, UART/USART, USB		
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