



R5F213J6MNNP#U0 Information

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Part Number R5F213J6MNNP#U0

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

IC MCU 16BIT 32KB FLASH 36HWQFN

Package 36-WFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

For Reference Only

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F-mail: salesdent@heisener.com

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Description









R5F213J6MNNP#U0 Specifications

Manufacturer Part Number R5F213J6MNNP#U0 Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 36-WFQFN Exposed Pad Series R8C/3x/3JM Core Processor R8C Core Size 16-Bit Speed 20MHz Connectivity 12C, LIN, SIO, SSU, UART/USART Peripherals POR, PWM, Voltage Detect, WDT Number of I/O 31 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	•	
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Series R8C/3x/3JM Core Processor R8C Core Size 16-Bit Speed 20MHz Connectivity I2C, LIN, SIO, SSU, UART/USART Peripherals POR, PWM, Voltage Detect, WDT Number of I/O 31 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)		Embedded - Microcontrollers
Core Processor R8C Core Size 16-Bit Speed 20MHz Connectivity I2C, LIN, SIO, SSU, UART/USART Peripherals POR, PWM, Voltage Detect, WDT Number of I/O 31 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Package	36-WFQFN Exposed Pad
Core Size 16-Bit Speed 20MHz Connectivity 12C, LIN, SIO, SSU, UART/USART Peripherals POR, PWM, Voltage Detect, WDT Number of I/O 31 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Series	R8C/3x/3JM
Speed 20MHz Connectivity 12C, LIN, SIO, SSU, UART/USART Peripherals POR, PWM, Voltage Detect, WDT Number of I/O 31 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Core Processor	R8C
Connectivity Peripherals POR, PWM, Voltage Detect, WDT Number of I/O 31 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package	Core Size	16-Bit
Peripherals POR, PWM, Voltage Detect, WDT Number of I/O 31 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Speed	20MHz
Number of I/O Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Connectivity	I2C, LIN, SIO, SSU, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature Package / Case 36-WFQFN Exposed Pad Supplier Device Package 32KB (32K x 8) 32KB (32K x 8) FLASH LASH LASH - LASH L	Peripherals	POR, PWM, Voltage Detect, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Number of I/O	31
EEPROM Size - 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Program Memory Size	32KB (32K x 8)
RAM Size 2.5K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.5 V A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	EEPROM Size	-
Data Converters A/D 10x10b, D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	RAM Size	2.5K x 8
Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V
Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Data Converters	A/D 10x10b, D/A 2x8b
Mounting Type - Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Oscillator Type	Internal
Package / Case 36-WFQFN Exposed Pad Supplier Device Package 36-HWQFN (6x6)	Operating Temperature	-20°C ~ 85°C (TA)
Supplier Device Package 36-HWQFN (6x6)	Mounting Type	-
	Package / Case	36-WFQFN Exposed Pad
Report errors?	Supplier Device Package	36-HWQFN (6x6)
		Report errors?

R5F213J6MNNP#U0 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

R5F213J6MNNP#U0 Payment Methods



















R5F213J6MNNP#U0 Shipping Methods













If you have any question about R5F213J6MNNP#U0, please do not hesitate to contact us!

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