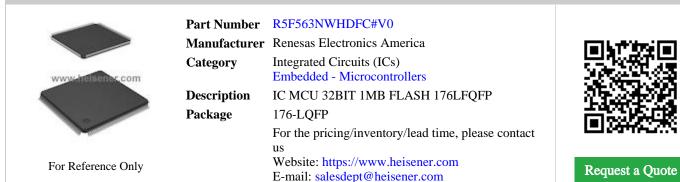


R5F563NWHDFC#V0

R5F563NWHDFC#V0 Information



Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



R5F563NWHDFC#V0 Specifications

Manufacturer Renesas Electronics America Manufacturers Embedded Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 176-LQFP Series RX600 Core Processor RX Core Size 32-Bit Speed 100MHz Connectivity CAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USB Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 133 Program Memory Size IMB (IM x 8) EEPROM Size 32K x 8 RAM Size 192K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b, 21x12b, D/A 2x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 176-LQFP		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage176-LQFPSeriesRX600Core ProcessorRXCore Size32-BitSpeed100MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USBPoripheralsDMA, LVD, POR, PWM, WDTNumber of I/O133Program Memory SizeHB (1M x 8)EEPROM Size32K x 8RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersAD8 x10b, 21x12b, D/A 2x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LQFP (24x24)	Manufacturer Part Number	R5F563NWHDFC#V0
Indext and the second	Manufacturer	Renesas Electronics America
Package176-LQFPSeriesRX600Core ProcessorRXCore Size32-BitSpeed100MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O133Program Memory SizeHB (1M x 8)EEPROM Size32K x 8RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type76-LQFP (2424)Supplier Device Package176-LFQFP (2424)	Category	Integrated Circuits (ICs)
SeriesRX600Core ProcessorRXCore Size32-BitSpeed100MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O133Program Memory SizeIMB (IM x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersA/D 8x10b, 21x12b, D/A 2x10bOscillator TypeInternalOperating Temperature-Package / Case176-LQFPSupplier Device Package176-LQFP (24x24)		Embedded - Microcontrollers
Core ProcessorRXCore Size32-BitSpeed100MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O133Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersA/D 8x10b, 21x12b, D/A 2x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type176-LQFPSupplier Device Package176-LFQFP (24x24)	Package	176-LQFP
Core Size32-BitSpeed100MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O133Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size192K x 8Voltag - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersA/D 8x10b, 21x12b, D/A 2x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFP (24x24)	Series	RX600
Speed100MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O133Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersA/D 8x10b, 21x12b, D/A 2x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type.Package / Case176-LQFP (24x24)	Core Processor	RX
Connectivity CAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USB Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 133 Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b, 21x12b, D/A 2x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 176-LQFP (24x24)	Core Size	32-Bit
Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 133 Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size 32K x 8 RAM Size 192K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b, 21x12b, D/A 2x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 176-LQFP (24x24)	Speed	100MHz
Number of I/O 133 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size 32K x 8 RAM Size 192K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b, 21x12b, D/A 2x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 176-LQFP (24x24)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, LIN, SCI, SPI, USB
Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersA/D 8x10b, 21x12b, D/A 2x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFP (24x24)	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size32K x 8RAM Size192K x 8Voltage - Supply (Vcc/Vd)2.7 V ~ 3.6 VData ConvertersA/D 8x10b, 21x12b, D/A 2x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LFQFP (24x24)	Number of I/O	133
EEPROM Size32K x 8RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersA/D 8x10b, 21x12b, D/A 2x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LFQFP (24x24)	Program Memory Size	1MB (1M x 8)
RAM Size 192K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b, 21x12b, D/A 2x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 176-LQFP (24x24)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersA/D 8x10b, 21x12b, D/A 2x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LFQFP (24x24)	EEPROM Size	32K x 8
Data ConvertersA/D 8x10b, 21x12b, D/A 2x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LFQFP (24x24)	RAM Size	192K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LFQFP (24x24)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LFQFP (24x24)	Data Converters	A/D 8x10b, 21x12b, D/A 2x10b
Mounting Type-Package / Case176-LQFPSupplier Device Package176-LFQFP (24x24)	Oscillator Type	Internal
Package / Case176-LQFPSupplier Device Package176-LFQFP (24x24)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package176-LFQFP (24x24)	Mounting Type	-
	Package / Case	176-LQFP
Report errors?	Supplier Device Package	176-LFQFP (24x24)
		Report errors?

R5F563NWHDFC#V0 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

R5F563NWHDFC#V0 Payment Methods



If you have any question about R5F563NWHDFC#V0, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com