



DF36024FTV Information



For Reference Only

Part Number DF36024FTV

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 32KB FLASH 48VQFN

Package 48-VFQFN

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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DF36024FTV Specifications

Manufacturer Part Number DF36024FTV Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Package 48-VFQFN Series H87 H8/300H Tiny Core Processor H8/300H Core Size 16-Bit Speed 20MHz Connectivity SCI Peripherals PWM, WDT Number of I/O 30 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 48-VPQFN Supplier Device Package 48-VPQFN (7x7)	•	
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Core Size16-BitSpeed20MHzConnectivitySCIPeripheralsPWM, WDTNumber of I/O30Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 4x10bOscillator TypeInternalOperating Temperature-20°C ~ 75°C (TA)Mounting Type-Package / Case48-VFQFNSupplier Device Package48-VQFN (7x7)	Series	H8? H8/300H Tiny
Speed20MHzConnectivitySCIPeripheralsPWM, WDTNumber of I/O30Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 4x10bOscillator TypeInternalOperating Temperature-20°C ~ 75°C (TA)Mounting Type-Package / Case48-VFQFNSupplier Device Package48-VQFN (7x7)	Core Processor	H8/300H
Connectivity Peripherals PWM, WDT Number of I/O 30 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type Package / Case 48-VFQFN Supplier Device Package	Core Size	16-Bit
Peripherals Number of I/O 30 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case Supplier Device Package 48-VFQFN 500 Supplier Device Package	Speed	20MHz
Number of I/O30Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 4x10bOscillator TypeInternalOperating Temperature-20°C ~ 75°C (TA)Mounting Type-Package / Case48-VFQFNSupplier Device Package48-VQFN (7x7)	Connectivity	SCI
Program Memory Size Program Memory Type FLASH EEPROM Size RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature Package / Case Package / Case Supplier Device Package 32KB (32K x 8) FLASH FLASH FLASH FLASH FLASH FLASH Internal - Coverters A/D 4x10b Internal - 20°C ~ 75°C (TA) - Cverters 48-VFQFN Supplier Device Package	Peripherals	PWM, WDT
Program Memory Type EEPROM Size RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 48-VPQFN Supplier Device Package	Number of I/O	30
EEPROM Size - 2K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 48-VFQFN Supplier Device Package 48-VQFN (7x7)	Program Memory Size	32KB (32K x 8)
RAM Size Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 48-VFQFN Supplier Device Package	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 4x10bOscillator TypeInternalOperating Temperature-20°C ~ 75°C (TA)Mounting Type-Package / Case48-VFQFNSupplier Device Package48-VQFN (7x7)	EEPROM Size	-
Data ConvertersA/D $4x10b$ Oscillator TypeInternalOperating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 48-VFQFN Supplier Device Package 48-VQFN (7x7)	RAM Size	2K x 8
Oscillator TypeInternalOperating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 48-VFQFN Supplier Device Package 48-VQFN (7x7)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 48-VFQFN Supplier Device Package 48-VQFN (7x7)	Data Converters	A/D 4x10b
Mounting Type - Package / Case 48-VFQFN Supplier Device Package 48-VQFN (7x7)	Oscillator Type	Internal
Package / Case 48-VFQFN Supplier Device Package 48-VQFN (7x7)	Operating Temperature	-20°C ~ 75°C (TA)
Supplier Device Package 48-VQFN (7x7)	Mounting Type	-
	Package / Case	48-VFQFN
Report errors?	Supplier Device Package	48-VQFN (7x7)
		Report errors?

DF36024FTV Guarantees



Quality Guarantees

We provide 90 days warranty. *

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Service Guarantees

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

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DF36024FTV Shipping Methods













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