



DF36014FYV Information



For Reference Only

Part Number DF36014FYV

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 32KB FLASH 48LQFP

Package 48-LQFP

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









DF36014FYV Specifications

Manufacturer Part Number DF36014FYV Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Fackage 48-LQFP 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-LQFP Supplier Device Package 48-LQFP (10x10)		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 48-LQFP Series H8? 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-LQFP Supplier Device Package 48-LQFP	Manufacturer Part Number	DF36014FYV
Package 48-LQFP 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-LQFP Supplier Device Package 48-LQFP (10x10)	Manufacturer	Renesas Electronics America
Package 48-LQFP Series H8? 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-LQFP Supplier Device Package 48-LQFP (10x10)	Category	Integrated Circuits (ICs)
Series H8? 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-LQFP Supplier Device Package 48-LQFP (10x10)		Embedded - Microcontrollers
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-LQFP Supplier Device Package 48-LQFP (10x10)	Package	48-LQFP
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-LQFP Supplier Device Package 48-LQFP (10x10)	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-LQFPSupplier Device Package48-LQFP (10x10)	Core Processor	Н8/300Н
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 Supplier Device Package 48-LQFP 1000 10	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 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 Supplier Device Package 48-LQFP (10x10)	Speed	20MHz
Number of I/O 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 Supplier Device Package 48-LQFP (10x10)	Connectivity	SCI
Program Memory Size 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-LQFP Supplier Device Package 48-LQFP (10x10)	Peripherals	PWM, WDT
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-LQFP Supplier Device Package 48-LQFP (10x10)	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-LQFP Supplier Device Package 48-LQFP (10x10)	Program Memory Size	32KB (32K x 8)
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-LQFP Supplier Device Package 48-LQFP (10x10)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP (10x10)	EEPROM Size	-
Data ConvertersA/D $4x10b$ Oscillator TypeInternalOperating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 48-LQFP Supplier Device Package 48-LQFP ($10x10$)	RAM Size	2K x 8
Oscillator Type Internal $ -20^{\circ}\text{C} \sim 75^{\circ}\text{C (TA)} $ Mounting Type $ - $ Package / Case $ 48\text{-LQFP} $ Supplier Device Package $ 48\text{-LQFP (10x10)} $	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature $ -20^{\circ}\text{C} \sim 75^{\circ}\text{C (TA)} $ Mounting Type $ - \text{Package / Case} $ $ 48\text{-LQFP} $ Supplier Device Package $ 48\text{-LQFP (10x10)} $	Data Converters	A/D 4x10b
Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP (10x10)	Oscillator Type	Internal
Package / Case 48-LQFP Supplier Device Package 48-LQFP (10x10)	Operating Temperature	-20°C ~ 75°C (TA)
Supplier Device Package 48-LQFP (10x10)	Mounting Type	-
	Package / Case	48-LQFP
Report errors?	Supplier Device Package	48-LQFP (10x10)
		Report errors?

DF36014FYV 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.

DF36014FYV Payment Methods



















DF36014FYV Shipping Methods













If you have any question about DF36014FYV, please do not hesitate to contact us!

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