



DF38086RH10WV Information

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For Reference Only

Part Number DF38086RH10WV

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 52KB FLASH 80QFP

Package 80-BQFF

For the pricing/inventory/lead time, please contact

us

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



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DF38086RH10WV Specifications

Manufacturer Part Number DF38086RH10WV Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 80-BQFP Series H87 H8/300H SLP Core Processor H8/300H Core Size 16-Bit Speed 10MHz Connectivity 12C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 55 Program Memory Size 52KB (52K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature 4.0°C ~ 85°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	•	
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Package 80-BQFP Series H8? H8/300H SLP Core Processor H8/300H Core Size 16-Bit Speed 10MHz Connectivity I2C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 55 Program Memory Size 52KB (52K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Category	Integrated Circuits (ICs)
Series H8? H8/300H SLP Core Processor H8/300H Core Size 16-Bit Speed 10MHz Connectivity 12C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 55 Program Memory Size 52KB (52K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)		Embedded - Microcontrollers
Core Processor H8/300H Core Size 16-Bit Speed 10MHz Connectivity 12C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 55 Program Memory Size 52KB (52K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Package	80-BQFP
Core Size 16-Bit Speed 10MHz Connectivity 12C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 55 Program Memory Size 52KB (52K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Series	H8? H8/300H SLP
Speed10MHzConnectivity12C, IrDA, SCIPeripheralsLCD, POR, PWM, WDTNumber of I/O55Program Memory Size52KB (52K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData ConvertersA/D 3x10b, 2x14bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-BQFPSupplier Device Package80-QFP (14x14)	Core Processor	H8/300H
Connectivity Peripherals LCD, POR, PWM, WDT Number of I/O 55 Program Memory Size 52KB (52K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Supplier Device Package 80-QFP (14x14)	Core Size	16-Bit
Peripherals Number of I/O 55 Program Memory Size 52KB (52K x 8) Program Memory Type FLASH EEPROM Size 7 RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature A-0°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 80-QFP (14x14)	Speed	10MHz
Number of I/O Program Memory Size 52KB (52K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 80-BQFP 80-QFP (14x14)	Connectivity	I2C, IrDA, SCI
Program Memory Size FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature Package / Case Supplier Device Package Supplier Device Package Supplier Device Package FLASH	Peripherals	LCD, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Number of I/O	55
EEPROM Size - 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 3x10b, 2x14b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Program Memory Size	52KB (52K x 8)
RAM Size $2K \times 8$ Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 3x10b, 2x14b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Supplier Device Package $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $3x10b$, $2x14b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	EEPROM Size	-
Data Converters A/D $3x10b$, $2x14b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Supplier Device Package $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	RAM Size	2K x 8
Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Mounting Type-Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Data Converters	A/D 3x10b, 2x14b
Mounting Type Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Oscillator Type	Internal
Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 80-QFP (14x14)	Mounting Type	-
	Package / Case	80-BQFP
Report errors?	Supplier Device Package	80-QFP (14x14)
		Report errors?

DF38086RH10WV 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.

DF38086RH10WV Payment Methods



















DF38086RH10WV Shipping Methods













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