



D13007VF13V Information



For Reference Only

Part Number D13007VF13V

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT ROMLESS 100QFP

Package 100-BFQFP

For the pricing/inventory/lead time, please contact

us

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



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D13007VF13V Specifications

Manufacturer Part Number D13007VF13V Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 100-BFQFP Series H87 H8/300H Core Processor H8/300H Core Size 16-Bit Speed 13MHz Connectivity SCI, SmartCard Peripherals DMA, PWM, WDT Number of I/O 35 Program Memory Size - Program Memory Type ROMIess EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-BFQFP Supplier Device Package 100-GFP (14x14)	L	
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Core Processor H8/300H Core Size 16-Bit Speed 13MHz Connectivity SCI, SmartCard Peripherals DMA, PWM, WDT Number of I/O 35 Program Memory Size - Program Memory Type ROMless EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Package	100-BFQFP
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Speed13MHzConnectivitySCI, SmartCardPeripheralsDMA, PWM, WDTNumber of I/O35Program Memory Size-Program Memory TypeROMIessEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 8x10b; D/A 2x8bOscillator TypeInternalOperating Temperature-20°C ~ 75°C (TA)Mounting Type-Package / Case100-BFQFPSupplier Device Package100-QFP (14x14)	Core Processor	H8/300H
Connectivity Peripherals DMA, PWM, WDT Number of I/O 35 Program Memory Size Program Memory Type ROMless EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters A/D 8x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type Package / Case Supplier Device Package 100-GFP (14x14)	Core Size	16-Bit
Peripherals Number of I/O 35 Program Memory Size - Program Memory Type ROMless EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case Supplier Device Package 100-BFQFP Supplier Device Package	Speed	13MHz
Number of I/O35Program Memory Size-Program Memory TypeROMIessEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 8x10b; D/A 2x8bOscillator TypeInternalOperating Temperature-20°C ~ 75°C (TA)Mounting Type-Package / Case100-BFQFPSupplier Device Package100-QFP (14x14)	Connectivity	SCI, SmartCard
Program Memory Size Program Memory Type ROMless EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Peripherals	DMA, PWM, WDT
Program Memory Type EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Number of I/O	35
EEPROM Size - 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Program Memory Size	-
RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Program Memory Type	ROMless
Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D 8x10b; D/A 2x8bOscillator TypeInternalOperating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	EEPROM Size	-
Data ConvertersA/D $8x10b$; D/A $2x8b$ Oscillator TypeInternalOperating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 100-BFQFP Supplier Device Package 100-QFP ($14x14$)	RAM Size	4K x 8
Oscillator TypeInternalOperating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Data Converters	A/D 8x10b; D/A 2x8b
Mounting Type Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Oscillator Type	Internal
Package / Case 100-BFQFP Supplier Device Package 100-QFP (14x14)	Operating Temperature	-20°C ~ 75°C (TA)
Supplier Device Package 100-QFP (14x14)	Mounting Type	-
	Package / Case	100-BFQFP
Report errors?	Supplier Device Package	100-QFP (14x14)
		Report errors?

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D13007VF13V Shipping Methods













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