



DF2556FC20DV Information



For Reference Only

Part Number DF2556FC20DV

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 512KB FLASH 144QFP

Package 144-BFQFP

For the pricing/inventory/lead time, please contact

us

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



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DF2556FC20DV Specifications

Manufacturer Part Number DF2556FC20DV Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Fackage 144-BFQFP Series H87 H8S/2500 Core Processor H885/2000 Core Size 16-Bit Speed 20MHz Connectivity CAN, 12C, SCI Peripherals POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Oscillator Type - Mounting Type - Ackage / Case 144-BFQFP Supplier Device Package 144-BFQFP	*	
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 144-BFQFP Series H87 H8S/2500 Core Processor H88/2000 Core Size 16-Bit Speed 20MHz Connectivity CAN, I2C, SCI Peripherals POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-GFP (20x20)	Manufacturer Part Number	DF2556FC20DV
Package 144-BFQFP Series H87 H88/2500 Core Processor H88/2000 Core Size 16-Bit Speed 20MHz Connectivity CAN, 12C, SCI Peripherals POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Manufacturer	Renesas Electronics America
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Series H8? H8S/2500 Core Processor H8S/2000 Core Size 16-Bit Speed 20MHz Connectivity CAN, 12C, SCI Peripherals POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)		Embedded - Microcontrollers
Core Processor H88/2000 Core Size 16-Bit Speed 20MHz Connectivity CAN, 12C, SCI Peripherals POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Package	144-BFQFP
Core Size 16-Bit Speed 20MHz Connectivity CAN, 12C, SCI Peripherals POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Series	H8? H8S/2500
Speed 20MHz Connectivity CAN, 12C, SCI Peripherals POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Core Processor	H8S/2000
Connectivity CAN, I2C, SCI Peripherals POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 144-BFQFP Supplier Device Package	Core Size	16-Bit
Peripherals Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 144-BFQFP Supplier Device Package	Speed	20MHz
Number of I/O Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Connectivity	CAN, I2C, SCI
Program Memory Size FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters Operating Temperature A/D 16x10b; D/A 2x8b Mounting Type - Package / Case 144-BFQFP Supplier Device Package 512KB (512K x 8) 512KB (512K x 8) FLASH FLASH FLASH FLASH A/D 16x10b Internal - 40°C ~ 85°C (TA) - 40°C ~ 85°C (TA) - 40°C ~ 85°C (TA)	Peripherals	POR, PWM, WDT
Program Memory Type EEPROM Size RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package	Number of I/O	104
EEPROM Size - 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Program Memory Size	512KB (512K x 8)
RAM Size Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10b; D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-BFQFPSupplier Device Package144-QFP (20x20)	EEPROM Size	-
Data Converters A/D 16x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	RAM Size	32K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Data Converters	A/D 16x10b; D/A 2x8b
Mounting Type Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Oscillator Type	Internal
Package / Case 144-BFQFP Supplier Device Package 144-QFP (20x20)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 144-QFP (20x20)	Mounting Type	-
	Package / Case	144-BFQFP
Report errors?	Supplier Device Package	144-QFP (20x20)
		Report errors?

DF2556FC20DV 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

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DF2556FC20DV Payment Methods





















DF2556FC20DV Shipping Methods













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