



DF38099FP10V Information



For Reference Only

Part Number DF38099FP10V

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 128KB FLASH 100QFP

Package 100-LQFF

For the pricing/inventory/lead time, please contact

us

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



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DF38099FP10V Specifications

Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 100-LQFP Series H8? H8/300H SLP Core Processor H88/00H Core Size 16-Bit Speed 10MHz Connectivity 12C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 75 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type -		
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Series H8? H8/300H Core Processor H8/300H Core Size 16-Bit Speed 10MHz Connectivity 12C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 75 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP		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 75 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Package	100-LQFP
Core Size 16-Bit Speed 10MHz Connectivity 12C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 75 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Series	H8? H8/300H SLP
Speed 10MHz Connectivity 12C, IrDA, SCI Peripherals LCD, POR, PWM, WDT Number of I/O 75 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type Supplier Device Package 100-LFQFP (14x14)	Core Processor	H8/300H
Connectivity Peripherals LCD, POR, PWM, WDT Number of I/O 75 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type Supplier Device Package 100-LQFP Supplier Device Package	Core Size	16-Bit
Peripherals Number of I/O 75 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case Supplier Device Package 100-LPFP (14x14)	Speed	10MHz
Number of I/O Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Connectivity	I2C, IrDA, SCI
Program Memory Size Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Peripherals	LCD, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Number of I/O	75
EEPROM Size - 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Program Memory Size	128KB (128K x 8)
RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	EEPROM Size	-
Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	RAM Size	4K x 8
Oscillator Type Internal $ -20^{\circ}\text{C} \sim 75^{\circ}\text{C (TA)} $ Mounting Type $ - $ Package / Case $ 100\text{-LQFP} $ Supplier Device Package $ 100\text{-LFQFP (14x14)} $	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Data Converters	A/D 8x10b
Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Oscillator Type	Internal
Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Operating Temperature	-20°C ~ 75°C (TA)
Supplier Device Package 100-LFQFP (14x14)	Mounting Type	-
	Package / Case	100-LQFP
Report errors?	Supplier Device Package	100-LFQFP (14x14)
		Report errors?

DF38099FP10V Guarantees



Quality Guarantees

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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.

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DF38099FP10V Shipping Methods













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