



DF71324AD80FPV Information



For Reference Only

Part Number DF71324AD80FPV

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 256KB FLASH 100QFP

Package 100-LQFP

For the pricing/inventory/lead time, please contact

us

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



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DF71324AD80FPV Specifications

Series SuperH? SH7137 Core Processor SH-2 Core Size 32-Bit Speed 80MHz Connectivity CAN, EBI/EMI, I2C, SCI, SSU Peripherals POR, PWM, WDT Number of I/O 57 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 100-LQFP Series SuperH? SH7137 Core Processor SH-2 Core Size 32-Bit Speed 80MHz Connectivity CAN, EBI/EMI, I2C, SCI, SSU Peripherals POR, PWM, WDT Number of I/O 57 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Manufacturer Part Number	DF71324AD80FPV
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Package 100-LQFP Series SuperH? SH7137 Core Processor SH-2 Core Size 32-Bit Speed 80MHz Connectivity CAN, EBI/EMI, 12C, SCI, SSU Peripherals POR, PWM, WDT Number of I/O 57 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Category	Integrated Circuits (ICs)
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Core Size 32-Bit Speed 80MHz Connectivity CAN, EBI/EMI, I2C, SCI, SSU Peripherals POR, PWM, WDT Number of I/O 57 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Series	SuperH? SH7137
Speed 80MHz Connectivity CAN, EBI/EMI, 12C, SCI, SSU Peripherals POR, PWM, WDT Number of I/O 57 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LPGFP (14x14)	Core Processor	SH-2
Connectivity CAN, EBI/EMI, I2C, SCI, SSU Peripherals POR, PWM, WDT Number of I/O 57 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Core Size	32-Bit
Peripherals Number of I/O 57 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 100-LFQFP (14x14)	Speed	80MHz
Number of I/O Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 100-LFQFP (14x14)	Connectivity	CAN, EBI/EMI, I2C, SCI, SSU
Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Peripherals	POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Number of I/O	57
EEPROM Size - 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Program Memory Size	256KB (256K x 8)
RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	EEPROM Size	-
Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	RAM Size	16K x 8
Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Data Converters	A/D 16x12b
Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Oscillator Type	External
Package / Case 100-LQFP Supplier Device Package 100-LFQFP (14x14)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 100-LFQFP (14x14)	Mounting Type	-
	Package / Case	100-LQFP
Donort aware?	Supplier Device Package	100-LFQFP (14x14)
Report errors?		Report errors?

DF71324AD80FPV 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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DF71324AD80FPV Shipping Methods













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