



DF70855AN80FPV Information



For Reference Only

Part Number DF70855AN80FPV

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)Embedded - Microcontrollers

Description IC MCU 32BIT 512KB FLASH 144QFP

Package 144-LQFP

For the pricing/inventory/lead time, please contact

us

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



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DF70855AN80FPV Specifications

Manufacturer Part Number DF70855AN80FPV Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 144-LQFP Series SuperH? SH7080 Core Processor SH-2 Core Size 32-Bit Speed 80MHz Connectivity EBI/EMI, FIFO, 12C, SCI, SSU Peripherals DMA, POR, PWM, WDT Number of I/O 100 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 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	1	
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Core Processor \$H-2 Core Size \$2-Bit Speed \$0MHz Connectivity \$EBI/EMI, FIFO, 12C, SCI, SSU Peripherals DMA, POR, PWM, WDT Number of I/O 100 Program Memory Size \$12KB (\$12K 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 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Package	144-LQFP
Core Size 32-Bit Speed 80MHz Connectivity EBI/EMI, FIFO, I2C, SCI, SSU Peripherals DMA, POR, PWM, WDT Number of I/O 100 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 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Series	SuperH? SH7080
Speed80MHzConnectivityEBI/EMI, FIFO, 12C, SCI, SSUPeripheralsDMA, POR, PWM, WDTNumber of I/O100Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-20°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFP	Core Processor	SH-2
Connectivity Peripherals DMA, POR, PWM, WDT Number of I/O 100 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 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Core Size	32-Bit
Peripherals DMA, POR, PWM, WDT Number of I/O 100 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 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Speed	80MHz
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 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type Package / Case 144-LQFP	Connectivity	EBI/EMI, FIFO, I2C, SCI, SSU
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 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Peripherals	DMA, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Number of I/O	100
EEPROM Size - 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Program Memory Size	512KB (512K x 8)
RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-20°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFP	EEPROM Size	-
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-20°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFP	RAM Size	32K x 8
Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature $ -20^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)} $ Mounting Type $ - $ Package / Case $ 144\text{-LQFP} $	Data Converters	A/D 8x10b
Mounting Type - Package / Case 144-LQFP	Oscillator Type	Internal
Package / Case 144-LQFP	Operating Temperature	-20°C ~ 85°C (TA)
	Mounting Type	-
	Package / Case	144-LQFP
Supplier Device Package 144-LFQFP (20x20)	Supplier Device Package	144-LFQFP (20x20)
Report errors?		Report errors?

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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.



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DF70855AN80FPV Shipping Methods













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