

R7F7010173AFP#KA4

R7F7010173AFP#KA4 Information

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Part Number R7F7010173AFP#KA4

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 144-LQFP

Package 80-LQFP

For the pricing/inventory/lead time, please contact

us

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



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R7F7010173AFP#KA4 Specifications

Manufacturer Part Number R7F7010173AFP#KA4 Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 80-LQFP Series RH850/F1x Core Processor RH850G3K Core Size 32-Bit Speed 80MHz Connectivity CANbus, CSI, PC, LINbus, SPI, UART/USART Peripherals DMA, PWM, WDT Number of I/O 65 Program Memory Size 384KB (384K x 8) Program Memory Type FLASH EEPROM Size 32K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 14x10b, 11x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Surface Mount Package / Case 80-LQFP		
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Connectivity Peripherals DMA, PWM, WDT Number of I/O 65 Program Memory Size 384KB (384K x 8) Program Memory Type FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters Oscillator Type Internal Operating Temperature Mounting Type Surface Mount Package / Case CANbus, CSI, I²C, LINbus, SPI, UART/USART DMA, PWM, WDT 65 PMA, PWM, WDT 65 87 884KB (384K x 8) FLASH FLASH EEPROM Size 32K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 14x10b, 11x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Surface Mount Package / Case	Core Size	32-Bit
Peripherals DMA, PWM, WDT Number of I/O 65 Program Memory Size 384KB (384K x 8) Program Memory Type FLASH EEPROM Size 32K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 14x10b, 11x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Surface Mount Package / Case DMA, PWM, WDT 65 DAA, PWM, WDT 65 FLASH FLASH EEPROM Size 32K x 8 A/B 14x10b, 11x12b Surface Mount Surface Mount Package / Case	Speed	80MHz
Number of I/O Program Memory Size 384KB (384K x 8) Program Memory Type FLASH EEPROM Size 32K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 14x10b, 11x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Surface Mount Package / Case 80-LQFP	Connectivity	CANbus, CSI, I ² C, LINbus, SPI, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size 32K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 14x10b, 11x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Surface Mount Package / Case 384KB (384K x 8) FLASH AU AU AU AU AU AU AU AU AU A	Peripherals	DMA, PWM, WDT
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Voltage - Supply (Vcc/Vdd) $3V \sim 5.5V$ Data Converters $A/D 14x10b, 11x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}C \sim 105^{\circ}C$ (TA)Mounting TypeSurface MountPackage / Case 80-LQFP	EEPROM Size	32K x 8
	RAM Size	48K x 8
Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / Case 80-LQFP	Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA) Mounting Type Surface Mount Package / Case 80-LQFP	Data Converters	A/D 14x10b, 11x12b
Mounting Type Surface Mount Package / Case 80-LQFP	Oscillator Type	Internal
Package / Case 80-LQFP	Operating Temperature	-40°C ~ 105°C (TA)
-	Mounting Type	Surface Mount
	Package / Case	80-LQFP
Supplier Device Package 80-LFQFP (12x12)	Supplier Device Package	80-LFQFP (12x12)
Report errors		Report errors?

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