



R5F104FHAFP#50 Information

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Part Number R5F104FHAFP#50

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 192KB FLASH 44LQFP

Package 44-LQFP

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



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R5F104FHAFP#50 Specifications

Manufacturer Part Number R5F104FHAFP#50 Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 44-LQFP Series RL78/G14 Core Processor RL78 Core Size 16-Bit Speed 32MHz Connectivity CSI, PC, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 192KB (192K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 20K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b, D/A 2x8b Oscillator Type Internal Operating Temperature 4.0°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	•	
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Speed 32MHz Connectivity CSI, I²C, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 192KB (192K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 20K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b, D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	Core Processor	RL78
Connectivity CSI, PC, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 192KB (192K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b, D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case Supplier Device Package 44-LQFP (10x10)	Core Size	16-Bit
Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 192KB (192K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 20K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b, D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 44-LQFP (10x10)	Speed	32MHz
Number of I/O Program Memory Size 192KB (192K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 20K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b, D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 44-LQFP (10x10)	Connectivity	CSI, I ² C, LINbus, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 20K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b, D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package	Peripherals	DMA, LVD, POR, PWM, WDT
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RAM Size $20K \times 8$ Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 10x8/10b, D/A 2x8b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 44-LQFP Supplier Device Package $44\text{-LQFP} (10x10)$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.6 V ~ 5.5 VData ConvertersA/D 10x8/10b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-LQFPSupplier Device Package44-LQFP (10x10)	EEPROM Size	8K x 8
Data Converters A/D 10x8/10b, D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	RAM Size	20K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	Voltage - Supply (Vcc/Vdd)	1.6 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	Data Converters	A/D 10x8/10b, D/A 2x8b
Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	Oscillator Type	Internal
Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 44-LQFP (10x10)	Mounting Type	-
	Package / Case	44-LQFP
Report errors?	Supplier Device Package	44-LQFP (10x10)
		Report errors?

R5F104FHAFP#50 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

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

R5F104FHAFP#50 Payment Methods



















R5F104FHAFP#50 Shipping Methods













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