



R5F104FFAFP#V0 Information



For Reference Only

Part Number R5F104FFAFP#V0

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 96KB FLASH 44LQFP

Package 44-LQFF

For the pricing/inventory/lead time, please contact

us

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



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R5F104FFAFP#V0 Specifications

Manufacturer Part Number R5F104FFAPP#V0 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, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 12K 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	•	
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Core Processor RL78 Core Size 16-Bit Speed 32MHz Connectivity CSI, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 12K 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)	Package	44-LQFP
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Speed 32MHz Connectivity CSI, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 12K 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, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 96KB (96K 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 Supplier Device Package 44-LQFP (10x10)	Core Size	16-Bit
Peripherals Number of I/O 31 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 12K 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 A-40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 44-LQFP 44-LQFP (10x10)	Speed	32MHz
Number of I/O Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 12K 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, I2C, LIN, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 12K 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)	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory Type EEPROM Size 8K x 8 RAM Size 12K 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)	Number of I/O	31
EEPROM Size 8K x 8 RAM Size 12K 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)	Program Memory Size	96KB (96K x 8)
RAM Size $12K \times 8$ Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 10x8/10b, D/A 2x8b$ Oscillator Type $Internal$ Operating 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 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)	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	12K 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?

R5F104FFAFP#V0 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.

R5F104FFAFP#V0 Payment Methods



















R5F104FFAFP#V0 Shipping Methods













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