



R5F100FHAFP#50 Information

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Part Number R5F100FHAFP#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
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R5F100FHAFP#50 Specifications

Manufacturer Part Number R5F100FHAFP#50 Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 44-LQFP Series RL78/G13 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 - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	•	
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Series RL78/G13 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 - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)		Embedded - Microcontrollers
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 - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b 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
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 - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	Series	RL78/G13
Speed32MHzConnectivityCSI, PC, LINbus, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O31Program Memory Size192KB (192K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)1.6 V ~ 5.5 VData ConvertersA/D 10x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-LQFPSupplier Device Package44-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 - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Supplier Device Package 44-LQFP Supplier Device Package	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 - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b 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 - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b 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 - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 192KB (192K x 8) FLASH ILASH ILASH	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b 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 - 16K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b 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	192KB (192K x 8)
RAM Size $16K \times 8$ Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 10x8/10b$ 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-LQFP (10x10)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $10x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 44-LQFP Supplier Device Package 44-LQFP ($10x10$)	EEPROM Size	-
Data Converters A/D 10x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10)	RAM Size	16K x 8
Oscillator Type Internal -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package Internal -40°C ~ 85°C (TA) 44-LQFP 44-LQFP 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
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
	Supplier Device Package	44-LQFP (10x10)
Report errors?		Report errors?

R5F100FHAFP#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.

R5F100FHAFP#50 Payment Methods



















R5F100FHAFP#50 Shipping Methods













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