



### **R5F101FHAFP#30 Information**

Heisener.com

Part Number R5F101FHAFP#30

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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# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









## **R5F101FHAFP#30 Specifications**

Manufacturer Part Number         R5F101FHAFP#30           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         44-LQFP           Scries         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         440°C ~ 85°C (TA)           Mounting Type         -           Package / Case         44-LQFP           Supplier Device Package         44-LQFP (10x10)	*	
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	Manufacturer Part Number	R5F101FHAFP#30
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)	Manufacturer	Renesas Electronics America
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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, I²C, 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  Package / Case  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 <sup>2</sup> 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 44-LQFP (10x10)	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory Type  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 $44\text{-LQFP}$ Supplier Device Package $44\text{-LQFP (10x10)}$	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 $44\text{-LQFP}$ Supplier Device Package $44\text{-LQFP}$ ( $10x10$ )	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 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
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?

#### R5F101FHAFP#30 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.

## R5F101FHAFP#30 Payment Methods



















### **R5F101FHAFP#30 Shipping Methods**













If you have any question about R5F101FHAFP#30, please do not hesitate to contact us!

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