



## **R5F100PLAFB#30 Information**

Heisener.com

Part Number R5F100PLAFB#30

Manufacturer Renesas Electronics America
Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** IC MCU 16BIT 512KB FLASH 100LQFP

Package 100-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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# **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.









## **R5F100PLAFB#30 Specifications**

Manufacturer Part Number         R\$F100PLAFB#30           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         100-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         82           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         1.6V ~ 5.5V           Data Converters         A/D 20x8/10b           Oscillator Type         Internal           Operating Temperature         4.0°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	•		
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         100-LQFP           Series         RL78/G13           Core Processor         RL78           Core Size         16-Bit           Speed         32MHz           Connectivity         CSI, IPC, LINbus, UART/USART           Peripherals         DMA, LVD, POR, PWM, WDT           Number of I/O         82           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         1.6V ~ 5.5V           Data Converters         A/D 20x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Manufacturer Part Number	R5F100PLAFB#30	
Package         100-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         82           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         1.6V ~ 5.5V           Data Converters         A/D 20x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Manufacturer	Renesas Electronics America	
Package         100-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         82           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         1.6V ~ 5.5V           Data Converters         A/D 20x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Category	Integrated Circuits (ICs)	
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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         82           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         1.6V ~ 5.5V           Data Converters         A/D 20x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Package	100-LQFP	
Core Size         16-Bit           Speed         32MHz           Connectivity         CSI, PC, LINbus, UART/USART           Peripherals         DMA, LVD, POR, PWM, WDT           Number of I/O         82           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         1.6V ~ 5.5V           Data Converters         A/D 20x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Series	RL78/G13	
Speed 32MHz Connectivity CSI, IPC, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 82 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6V ~ 5.5V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Core Processor	RL78	
Connectivity  CSI, PC, LINbus, UART/USART  Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  82  Program Memory Size  512KB (512K x 8)  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  Voltage - Supply (Vcc/Vdd)  1.6V ~ 5.5V  Data Converters  A/D 20x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  100-LQFP  Supplier Device Package	Core Size	16-Bit	
Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  82  Program Memory Size  512KB (512K x 8)  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  32K x 8  Voltage - Supply (Vcc/Vdd)  1.6V ~ 5.5V  Data Converters  A/D 20x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  100-LQFP  Supplier Device Package	Speed	32MHz	
Number of I/O  Program Memory Size  512KB (512K x 8)  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  32K x 8  Voltage - Supply (Vcc/Vdd)  1.6V ~ 5.5V  Data Converters  A/D 20x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  100-LQFP  Supplier Device Package	Connectivity	CSI, I <sup>2</sup> C, LINbus, UART/USART	
Program Memory Size  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 20x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  100-LQFP (14x14)	Peripherals	DMA, LVD, POR, PWM, WDT	
Program Memory Type  EEPROM Size  8K x 8  RAM Size  32K x 8  Voltage - Supply (Vcc/Vdd)  1.6V ~ 5.5V  Data Converters  A/D 20x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  100-LQFP  Supplier Device Package	Number of I/O	82	
EEPROM Size 8K x 8  RAM Size 32K x 8  Voltage - Supply (Vcc/Vdd) 1.6V ~ 5.5V  Data Converters A/D 20x8/10b  Oscillator Type Internal  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 100-LQFP  Supplier Device Package 100-LQFP (14x14)	Program Memory Size	512KB (512K x 8)	
RAM Size 32K x 8  Voltage - Supply (Vcc/Vdd) 1.6V ~ 5.5V  Data Converters A/D 20x8/10b  Oscillator Type Internal  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 100-LQFP  Supplier Device Package 100-LQFP (14x14)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.6V ~ 5.5VData ConvertersA/D 20x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case100-LQFPSupplier Device Package100-LQFP (14x14)	EEPROM Size	8K x 8	
Data Converters  A/D 20x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  100-LQFP  Supplier Device Package  100-LQFP (14x14)	RAM Size	32K x 8	
Oscillator Type  Internal  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  100-LQFP  Supplier Device Package  100-LQFP (14x14)	Voltage - Supply (Vcc/Vdd)	1.6V ~ 5.5V	
Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 100-LQFP  Supplier Device Package 100-LQFP (14x14)	Data Converters	A/D 20x8/10b	
Mounting TypeSurface MountPackage / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Oscillator Type	Internal	
Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 100-LQFP (14x14)	Mounting Type	Surface Mount	
	Package / Case	100-LQFP	
Report errors?	Supplier Device Package	100-LQFP (14x14)	
			Report errors?

### R5F100PLAFB#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.

## R5F100PLAFB#30 Payment Methods





















## **R5F100PLAFB#30 Shipping Methods**













If you have any question about R5F100PLAFB#30, please do not hesitate to contact us!

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