



#### **R5F100LJGFB#V0 Information**

Heisener.com

Part Number R5F100LJGFB#V0

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** RL78/G13 256KB/20KB+8KB 64QFP -4

Package 64-LQFP

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



Request a Quote

# **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.









## **R5F100LJGFB#V0 Specifications**

Manufacturer Part Number         R5F100LJGFB#V0           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         64-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         48           Program Memory Size         256KB (256K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         20K x 8           Voltage - Supply (Vcc/Vdd)         2.4 V ~ 5.5 V           Data Converters         A/D 12x8/10b           Oscillator Type         Internal           Operating Temperature         40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LOFP	1	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         64-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         48           Program Memory Size         256KB (256K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         20K x 8           Voltage - Supply (Vcc/Vdd)         2.4 V ~ 5.5 V           Data Converters         A/D 12x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -	Manufacturer Part Number	R5F100LJGFB#V0
Package         64-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         48           Program Memory Size         256KB (256K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         20K x 8           Voltage - Supply (Vcc/Vdd)         2.4 V ~ 5.5 V           Data Converters         A/D 12x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -	Manufacturer	Renesas Electronics America
Package         64-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         48           Program Memory Size         256KB (256K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         20K x 8           Voltage - Supply (Vcc/Vdd)         2.4 V ~ 5.5 V           Data Converters         A/D 12x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -	Category	Integrated Circuits (ICs)
Series         RL78/G13           Core Processor         RL78           Core Size         16-Bit           Speed         32MHz           Connectivity         CSI, I°C, LINbus, UART/USART           Peripherals         DMA, LVD, POR, PWM, WDT           Number of I/O         48           Program Memory Size         256KB (256K x 8)           Program Memory Type         FLASH           EEPROM Size         8K x 8           RAM Size         20K x 8           Voltage - Supply (Vcc/Vdd)         2.4 V ~ 5.5 V           Data Converters         A/D 12x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -		Embedded - Microcontrollers
Core ProcessorRL78Core Size16-BitSpeed32MHzConnectivityCSI, I²C, LINbus, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O48Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size8K x 8RAM Size20K x 8Voltage - Supply (Vcc/Vdd)2.4 V ~ 5.5 VData ConvertersA/D 12x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-	Package	64-LQFP
Core Size  Speed  32MHz  Connectivity  CSI, IPC, LINbus, UART/USART  Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  48  Program Memory Size  256KB (256K x 8)  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  20K x 8  Voltage - Supply (Vcc/Vdd)  2.4 V ~ 5.5 V  Data Converters  A/D 12x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  -	Series	RL78/G13
Speed32MHzConnectivityCSI, IPC, LINbus, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O48Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size8K x 8RAM Size20K x 8Voltage - Supply (Vcc/Vdd)2.4 V ~ 5.5 VData ConvertersA/D 12x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-	Core Processor	RL78
Connectivity  CSI, PC, LINbus, UART/USART  Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  48  Program Memory Size  256KB (256K x 8)  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  20K x 8  Voltage - Supply (Vcc/Vdd)  2.4 V ~ 5.5 V  Data Converters  A/D 12x8/10b  Oscillator Type  Internal  Operating Temperature  Mounting Type  -  CSI, PC, LINbus, UART/USART  DMA, LVD, POR, PWM, WDT  48  A/B (256K x 8)  256KB (256K x 8)  FLASH  EEPROM Size  8K x 8  A/B (256K x 8)  FLASH  EEPROM Size  A/B (256K x 8)  FLASH  EEPROM Size  A/B (256K x 8)  FLASH  EEPROM Size  A/C ~ 105°C (TA)  Mounting Type	Core Size	16-Bit
Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  48  Program Memory Size  256KB (256K x 8)  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  20K x 8  Voltage - Supply (Vcc/Vdd)  2.4 V ~ 5.5 V  Data Converters  A/D 12x8/10b  Oscillator Type  Internal  Operating Temperature  40°C ~ 105°C (TA)  Mounting Type  -	Speed	32MHz
Number of I/O  Program Memory Size  256KB (256K x 8)  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  20K x 8  Voltage - Supply (Vcc/Vdd)  2.4 V ~ 5.5 V  Data Converters  A/D 12x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  -	Connectivity	CSI, I <sup>2</sup> C, LINbus, UART/USART
Program Memory Size  256KB (256K x 8)  Program Memory Type  FLASH  EEPROM Size  8K x 8  RAM Size  20K x 8  Voltage - Supply (Vcc/Vdd)  2.4 V ~ 5.5 V  Data Converters  A/D 12x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  -	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size $8K \times 8$ RAM Size $20K \times 8$ Voltage - Supply (Vcc/Vdd) $2.4 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 12x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-	Number of I/O	48
EEPROM Size $8K \times 8$ RAM Size $20K \times 8$ Voltage - Supply (Vcc/Vdd) $2.4 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $12\times8/10\text{b}$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-	Program Memory Size	256KB (256K x 8)
RAM Size 20K x 8  Voltage - Supply (Vcc/Vdd) 2.4 V $\sim$ 5.5 V  Data Converters A/D 12x8/10b  Oscillator Type Internal  Operating Temperature -40°C $\sim$ 105°C (TA)  Mounting Type -	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2.4 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $12x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-	EEPROM Size	8K x 8
Data Converters A/D $12x8/10b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA) Mounting Type -	RAM Size	20K x 8
Oscillator Type Internal $ -40^{\circ}\text{C} \sim 105^{\circ}\text{C (TA)} $ Mounting Type $ - $	Voltage - Supply (Vcc/Vdd)	2.4 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type $-$	Data Converters	A/D 12x8/10b
Mounting Type -	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 105°C (TA)
Package / Case 64-LQFP	Mounting Type	-
į	Package / Case	64-LQFP
Supplier Device Package 64-LQFP (10x10)	Supplier Device Package	64-LQFP (10x10)
Report errors?		Report errors?

### **R5F100LJGFB#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.

## R5F100LJGFB#V0 Payment Methods



















# R5F100LJGFB#V0 Shipping Methods













If you have any question about R5F100LJGFB#V0, please do not hesitate to contact us!

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