



R5F100FFGFP#V0 Information

Heisener.com

Part Number R5F100FFGFP#V0

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description 16BIT MCU RL78/G13 96K LQFP44 -4

Package 44-LQFP

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
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R5F100FFGFP#V0 Specifications

| Manufacturer Part Number R\$F100FFGFP#V0 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 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K 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 ~ 105°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP | * | |
|---|----------------------------|---|
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| 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 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K 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 ~ 105°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10) | Category | Integrated Circuits (ICs) |
| 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 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K 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 ~ 105°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, I²C, LINbus, 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 - RAM Size 8K 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 ~ 105°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 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K 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 ~ 105°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 Size96KB (96K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.6 V ~ 5.5 VData ConvertersA/D 10x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case44-LQFPSupplier Device Package44-LQFP (10x10) | Core Processor | RL78 |
| Connectivity Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 10x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Supplier Device Package 44-LQFP (10x10) | Core Size | 16-Bit |
| Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 31 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K 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 ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package 44-LQFP (10x10) | Speed | 32MHz |
| Number of I/O Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K 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 ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package 44-LQFP (10x10) | Connectivity | CSI, I ² C, LINbus, UART/USART |
| Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K 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 ~ 105°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10) | Peripherals | DMA, LVD, POR, PWM, WDT |
| Program Memory Type FLASH EEPROM Size - RAM Size 8K 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 ~ 105°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10) | Number of I/O | 31 |
| EEPROM Size - 8K 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 ~ 105°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10) | Program Memory Size | 96KB (96K x 8) |
| RAM Size $8K \times 8$ Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 10x8/10b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (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 $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (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 ~ 105°C (TA) Mounting Type - Package / Case 44-LQFP Supplier Device Package 44-LQFP (10x10) | RAM Size | 8K x 8 |
| Oscillator Type Internal Operating Temperature -40°C ~ 105°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 $-40^{\circ}\text{C} \sim 105^{\circ}\text{C (TA)}$ 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 | $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ |
| Supplier Device Package 44-LQFP (10x10) | Mounting Type | - |
| | Package / Case | 44-LQFP |
| Report errors? | Supplier Device Package | 44-LQFP (10x10) |
| 1 | | Report errors? |

R5F100FFGFP#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.

R5F100FFGFP#V0 Payment Methods



















R5F100FFGFP#V0 Shipping Methods













If you have any question about R5F100FFGFP#V0, please do not hesitate to contact us!

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