



R5F100PLAFB#X0 Information



For Reference Only

Part Number R5F100PLAFB#X0

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 512KB FLASH 100LQFP

Package 100-LQFF

For the pricing/inventory/lead time, please contact

us

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



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R5F100PLAFB#X0 Specifications

| Manufacturer Part Number R5F100PLAFB#X0 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, 12C, LIN, 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 - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | • | |
|--|----------------------------|-----------------------------|
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| Core Processor RL78 Core Size 16-Bit Speed 32MHz Connectivity CSI, 12C, LIN, 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 - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | Package | 100-LQFP |
| Core Size 16-Bit Speed 32MHz Connectivity CSI, 12C, LIN, 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 - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | Series | RL78/G13 |
| Speed 32MHz Connectivity CSI, 12C, LIN, 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 - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | Core Processor | RL78 |
| Connectivity Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 82 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Supplier Device Package 100-LQFP (14x14) | Core Size | 16-Bit |
| Peripherals Number of I/O 82 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 100-LQFP (14x14) | Speed | 32MHz |
| Number of I/O 82 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | Connectivity | CSI, I2C, LIN, UART/USART |
| Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | Peripherals | DMA, LVD, POR, PWM, WDT |
| Program Memory Type EEPROM Size RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package | Number of I/O | 82 |
| EEPROM Size - 32K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 20x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | Program Memory Size | 512KB (512K x 8) |
| RAM Size $32K \times 8$ Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 20x8/10b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Supplier Device Package $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) | Program Memory Type | FLASH |
| Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 20x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 100-LQFP Supplier Device Package $100\text{-LQFP} (14x14)$ | EEPROM Size | - |
| Data ConvertersA/D $20x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 100-LQFP Supplier Device Package 100-LQFP ($14x14$) | RAM Size | 32K x 8 |
| Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | Voltage - Supply (Vcc/Vdd) | 1.6 V ~ 5.5 V |
| Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14) | Data Converters | A/D 20x8/10b |
| Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-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 | - |
| | Package / Case | 100-LQFP |
| Report errors? | Supplier Device Package | 100-LQFP (14x14) |
| | | Report errors? |

R5F100PLAFB#X0 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#X0 Payment Methods



















R5F100PLAFB#X0 Shipping Methods













If you have any question about R5F100PLAFB#X0, please do not hesitate to contact us!

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