

R5F100FJDFP#X0



**Part Number:** [R5F100FJDFP#X0](#)

**Manufacturer:** [Renesas Electronics America](#)

**Description:** IC MCU 16BIT 256KB FLASH 44LQFP

**Data sheet:**  [RL78/G13 Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

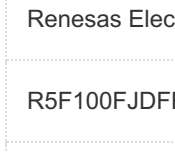
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F100FJDFP#X0                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 256KB FLASH 44LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 38647 pcs                                 | Data sheet                     | <a href="#">RL78/G13 Datasheet</a>                                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.6 V ~ 5.5 V                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 44-LQFP (10x10)                           | Speed                          | 32MHz                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/G13                                  | RAM Size                       | 20K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 256KB (256K x 8)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tape & Reel (TR)                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 44-LQFP                                   | Oscillator Type                | Internal                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 31                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description           | RL78 RL78/G13 Microcontroller IC 16-Bit 32MHz 256KB (256K x 8) FLASH 44-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 10x8/10b                              | Core Size                      | 16-Bit                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RL78                                      | Connectivity                   | CSI, I <sup>2</sup> C, LINbus, UART/USART                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F100                                    |                                |                                                                                      |
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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">R5F100FJAFP#X0</a><br>Description: IC MCU 16BIT 256KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FJGFP#V0</a><br>Description: RL78/G13 256KB/20KB+8KB 44QFP -4 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F100FJAFP#V0</a><br>Description: IC MCU 16BIT 256KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100GAAFB#30</a><br>Description: IC MCU 16BIT 16KB FLASH 48LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F100FKDFP#V0</a><br>Description: IC MCU 16BIT 384KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F100FHDFP#V0</a><br>Description: IC MCU 16BIT 192KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FHDFP#X0</a><br>Description: IC MCU 16BIT 192KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FJDFP#V0</a><br>Description: IC MCU 16BIT 256KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FLDFP#X0</a><br>Description: IC MCU 16BIT 512KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FJDFP#30</a><br>Description: IC MCU 16BIT 256KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FJAFP#50</a><br>Description: IC MCU 16BIT 256KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FHGFP#V0</a><br>Description: RL78/G13 192KB/16KB+8KB 44QFP -4 | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FHDFP#50</a><br>Description: IC MCU 16BIT 192KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FLAFP#X0</a><br>Description: IC MCU 16BIT 512KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100FLDFP#V0</a><br>Description: IC MCU 16BIT 512KB FLASH 44LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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