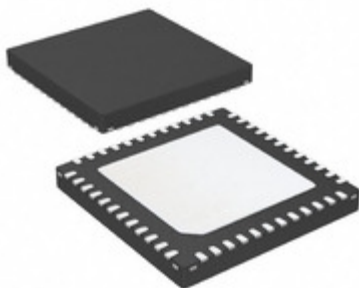


R5F101GKANA#U0



**Part Number:** [R5F101GKANA#U0](#)

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

**Description:** IC MCU 16BIT 384KB FLASH 48HWQFN

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

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

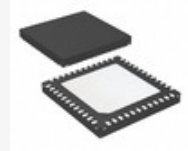
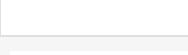
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F101GKANA#U0                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 384KB FLASH 48HWQFN          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 31177 pcs                                 | Data sheet                     | <a href="#">RL78/G13 Datasheet</a><br><a href="#">RL78/G13 Hardware Manual</a>      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.6 V ~ 5.5 V                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 48-HWQFN (7x7)                            | Speed                          | 32MHz                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/G13                                  | RAM Size                       | 24K x 8                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 384KB (384K x 8)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 48-WFQFN Exposed Pad                      | Oscillator Type                | Internal                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 34                                                                                  |
| 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 384KB (384K x 8) FLASH 48-HWQFN (7x7) |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F101                                    |                                |                                                                                     |
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|  | Part#: <a href="#">R5F101GLANA#U0</a><br>Description: IC MCU 16BIT 512KB FLASH 48HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GLAFB#V0</a><br>Description: IC MCU 16BIT 512KB FLASH 48LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GJAFB#X0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GJDFB#50</a><br>Description: IC MCU 16BIT 48LFQFP             | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101JCAFA#V0</a><br>Description: IC MCU 16BIT 32KB FLASH 52LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101JEDFA#V0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GJAFB#V0</a><br>Description: IC MCU 16BIT 256KB FLASH 48LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GJDFB#V0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101JEDFA#X0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GJDNA#U0</a><br>Description: IC MCU 16BIT 256KB FLASH 48HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GJDFB#30</a><br>Description: IC MCU 16BIT 48LFQFP             | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101JDAFA#V0</a><br>Description: IC MCU 16BIT 48KB FLASH 52LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GJANA#U0</a><br>Description: IC MCU 16BIT 256KB FLASH 48HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GKAFA#V0</a><br>Description: IC MCU 16BIT 384KB FLASH 48LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101GJDFB#X0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101JEFA#X0</a><br>Description: IC MCU 16BIT 64KB FLASH 52LQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101JCAFA#X0</a><br>Description: IC MCU 16BIT 32KB FLASH 52LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101JEFA#V0</a><br>Description: IC MCU 16BIT 64KB FLASH 52LQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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