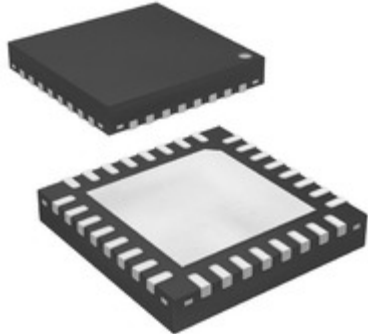


R5F101BCANA#U0



**Part Number:** [R5F101BCANA#U0](#)

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

**Description:** IC MCU 16BIT 32KB FLASH 32HWQFN

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

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

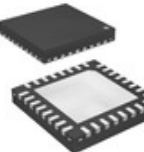
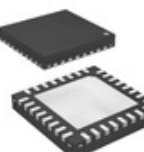
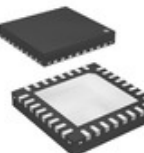
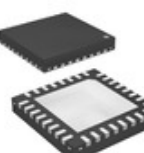
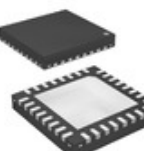
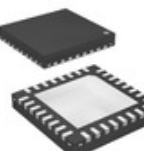
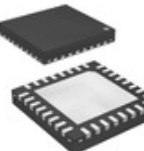
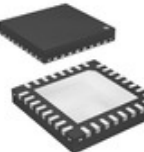
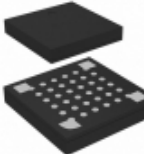
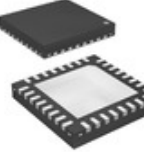
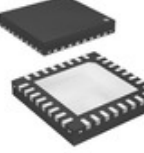
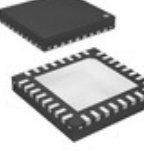
**Ship From:** Hong Kong

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

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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F101BCANA#U0                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 32KB FLASH 32HWQFN           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 74417 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                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-HWQFN (5x5)                            | Speed                          | 32MHz                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/G13                                  | RAM Size                       | 2K x 8                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 32KB (32K x 8)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-WFQFN Exposed Pad                      | Oscillator Type                | Internal                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 22                                                                                |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description           | RL78 RL78/G13 Microcontroller IC 16-Bit 32MHz 32KB (32K x 8) FLASH 32-HWQFN (5x5) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 8x8/10b                               | 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="#">R5F101AGDSP#V0</a><br>Description: IC MCU 16BIT 128KB FLASH 30LSSOP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BFANA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BDANA#U0</a><br>Description: IC MCU 16BIT 48KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101AGASP#V0</a><br>Description: IC MCU 16BIT 128KB FLASH 30LSSOP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BFDNA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BGANA#U0</a><br>Description: IC MCU 16BIT 128KB FLASH 32HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BGDNA#U0</a><br>Description: IC MCU 16BIT 128KB FLASH 32HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BEDNA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101AFASP#X0</a><br>Description: IC MCU 16BIT 96KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BAANA#W0</a><br>Description: IC MCU 16BIT 16KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BDDNA#U0</a><br>Description: IC MCU 16BIT 48KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101CAALA#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BCDNA#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BEANA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101AGASP#X0</a><br>Description: IC MCU 16BIT 128KB FLASH 30SSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BADNA#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101AFDSP#V0</a><br>Description: IC MCU 16BIT 96KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F101BAANA#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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