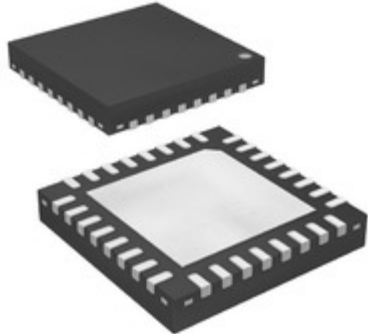


R5F100BDANA#U0



**Part Number:** [R5F100BDANA#U0](#)

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

**Description:** IC MCU 16BIT 48KB FLASH 32HWQFN

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

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

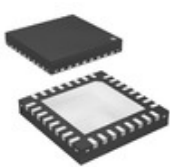
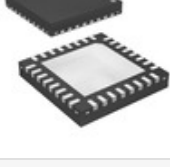
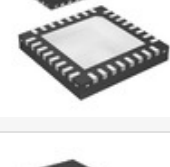
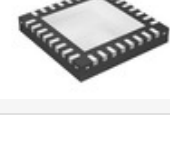
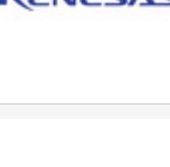
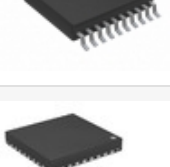
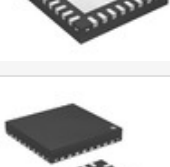
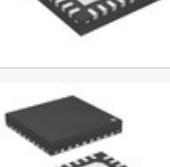
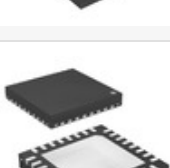
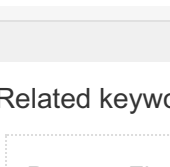
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                   |                                  |                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F100BDANA#U0                                                                    | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 48KB FLASH 32HWQFN                                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 56566 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                         | 3K x 8                                                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                             | Program Memory Size              | 48KB (48K x 8)                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                                                           | Packaging                        | Tray                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-WFQFN Exposed Pad                                                              | Other Names                      | R5F100BDANAU0                                                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal                                                                          | Operating Temperature            | -40°C ~ 85°C (TA)                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 22                                                                                | 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 48KB (48K 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                 | R5F100                                                                         |
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|  | Part#: <a href="#">R5F100BCANA#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BFDNA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BAGNA#U0</a><br>Description: 16BIT MCU RL78/G13 16/2K QFN32 - | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BDANA#W0</a><br>Description: IC MCU 16BIT 48KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BAANA#W0</a><br>Description: IC MCU 16BIT 16KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BDDNA#U0</a><br>Description: IC MCU 16BIT 48KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BDGNA#U0</a><br>Description: RL78/G13 48KB/3KB+4KB 32QFN -40_ | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BGANA#U0</a><br>Description: IC MCU 16BIT 128KB FLASH 32HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BCGNA#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BAANA#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BFGNA#U0</a><br>Description: RL78/G13 96KB/8KB+8KB 32QFN -40_ | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100AGGSP#V0</a><br>Description: 16BIT MCU RL78G13 128K LSSOP30 - | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100AGDSP#X0</a><br>Description: IC MCU 16BIT 128KB FLASH 30LSSOP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BEANA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BADNA#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BEDNA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BEGNA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BCANA#W0</a><br>Description: IC MCU 16BIT 32KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BCDNA#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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