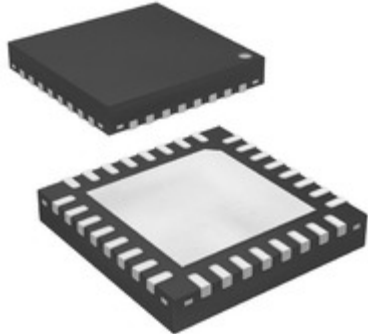


R5F100BGDNA#U0



**Part Number:** [R5F100BGDNA#U0](#)

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

**Description:** IC MCU 16BIT 128KB FLASH 32HWQFN

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

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

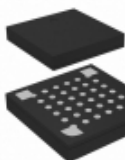
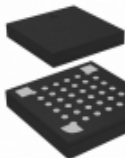
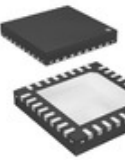
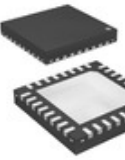
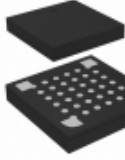
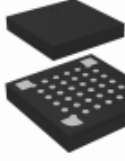
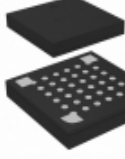
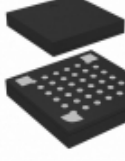
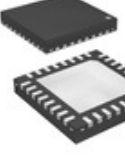
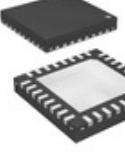
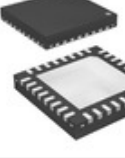
**Ship From:** Hong Kong

**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                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F100BGDNA#U0                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 16BIT 128KB FLASH 32HWQFN          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                  | 44325 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                                                                                                                                                                                                                                                                                                                                                                                                             | 32-HWQFN (5x5)                            | Speed                          | 32MHz                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                              | RL78/G13                                  | RAM Size                       | 12K x 8                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                     | Program Memory Size            | 128KB (128K 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)                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Detailed Description           | RL78 RL78/G13 Microcontroller IC 16-Bit 32MHz 128KB (128K 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                                    |                                |                                                                                     |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Renesas Electronics America series electronic components. We have 44325 pieces of Renesas Electronics America R5F100BGDNA#U0 in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                           |                                |                                                                                     |

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|  | Part#: <a href="#">R5F100CCALA#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100CFALA#W0</a><br>Description: IC MCU 16BIT 96KB FLASH 36LGA    | 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="#">R5F100BGANA#W0</a><br>Description: IC MCU 16BIT 128KB 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="#">R5F100CEALA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100CDALA#U0</a><br>Description: IC MCU 16BIT 48KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100CFALA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100CAALA#W0</a><br>Description: IC MCU 16BIT 16KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F100BFANA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 32HWQFN  | 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="#">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="#">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="#">R5F100CDALA#W0</a><br>Description: IC MCU 16BIT 48KB FLASH 36LGA    | 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="#">R5F100BFDNA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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