

R5F100GCGNA#W0



Part Number: [R5F100GCGNA#W0](#)

Manufacturer: [Renesas Electronics America](#)

Description: RL78/G13 32KB/2KB+4KB 48QFN -40\_

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

RoHs Status: Lead free / RoHS Compliant

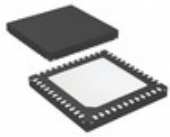
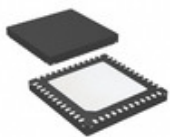
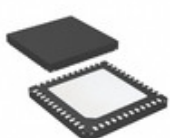
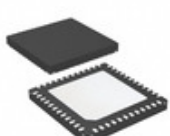
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                |                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F100GCGNA#W0                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                         | RL78/G13 32KB/2KB+4KB 48QFN -40_          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                  | 62785 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                       | 2K x 8                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                     | Program Memory Size            | 32KB (32K x 8)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                         | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tape & Reel (TR)                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                      | 48-WFQFN Exposed Pad                      | Oscillator Type                | Internal                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 105°C (TA)                        | Number of I/O                  | 34                                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                     | 24 Weeks                                  | 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 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                                                                                                                                                                                                                                                                                                                                                                                                                    | R5F100                                    |                                |                                                                                   |
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|  | Part#: <a href="#">R5F100GDAFB#X0</a><br>Description: IC MCU 16BIT 48KB FLASH 48LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
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