

R5F100EGANA#U0



Part Number: **R5F100EGANA#U0**

Manufacturer: **Renesas Electronics America**

Description: IC MCU 16BIT 128KB FLASH 40QFN

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

RoHs Status: Lead free / RoHS Compliant

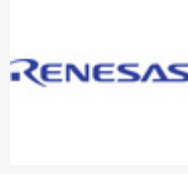
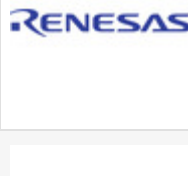
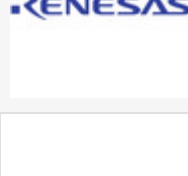
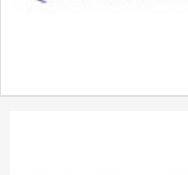
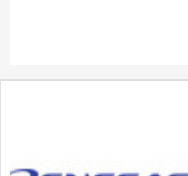
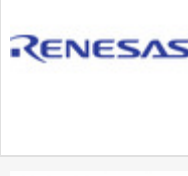
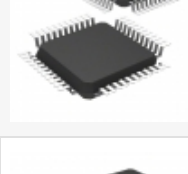
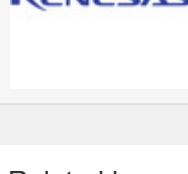
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                 |                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F100EGANA#U0                                                                      | Manufacturer                    | <a href="#">Renesas Electronics America</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 128KB FLASH 40QFN                                                      | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44760 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                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40-HWQFN (6x6)                                                                      | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 40-WFQFN Exposed Pad                                                                | Oscillator Type                 | Internal                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                                                                   | Number of I/O                   | 28                                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 (Unlimited)                                                                       | 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 128KB (128K x 8) FLASH 40-HWQFN (6x6) | Data Converters                 | A/D 9x8/10b                                                                    |
| 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="#">R5F100EEANA#W0</a><br>Description: IC MCU 16BIT 64KB FLASH 40QFN    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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