

R5F104PGAFB#V0



Part Number: **R5F104PGAFB#V0**

Manufacturer: **Renesas Electronics America**

Description: IC MCU 16BIT 128KB FLASH 100LQFP

Data sheet:  [RL78/G14 Datasheet](#)  
 [RL78/G14 Hardware Manual](#)  
 [RL78 Brochure](#)

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                       |                                  |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F104PGAFB#V0                                                                        | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 128KB FLASH 100LQFP                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 36266 pcs                                                                             | Data sheet                       | <a href="#">RL78/G14 Datasheet</a><br><a href="#">RL78/G14 Hardware Manual</a><br><a href="#">RL78 Brochure</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>                                             | Voltage - Supply (Vcc/Vdd)       | 1.6 V ~ 5.5 V                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-LQFP (14x14)                                                                      | Speed                            | 32MHz                                                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/G14                                                                              | RAM Size                         | 16K x 8                                                                                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                                 | Program Memory Size              | 128KB (128K x 8)                                                                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                                                               | Packaging                        | Tray                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100-LQFP                                                                              | Other Names                      | R5F104PGAFBV0                                                                                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal                                                                              | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 82                                                                                    | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                                                            | EEPROM Size                      | 8K x 8                                                                                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RL78 RL78/G14 Microcontroller IC 16-Bit 32MHz 128KB (128K x 8) FLASH 100-LQFP (14x14) | Data Converters                  | A/D 20x8/10b, D/A 2x8b                                                                                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-Bit                                                                                | Core Processor                   | RL78                                                                                                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CSI, I <sup>2</sup> C, LINbus, UART/USART                                             | Base Part Number                 | R5F104                                                                                                          |
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