

R5F104GEAFB#30



Part Number: [R5F104GEAFB#30](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 48LFQFP

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

RoHs Status: Lead free / RoHS Compliant

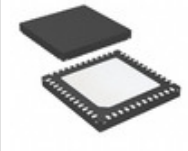
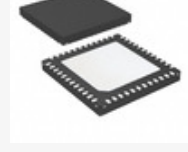
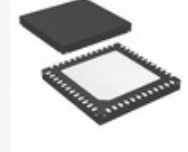
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                   |                                 |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | R5F104GEAFB#30                                                                    | Manufacturer                    | <a href="#">Renesas Electronics America</a>                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC MCU 16BIT 48LFQFP                                                              | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5082 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                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48-LFQFP (7x7)                                                                    | Speed                           | 32MHz                                                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RL78/G14                                                                          | RAM Size                        | 5.5K x 8                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FLASH                                                                             | Program Memory Size             | 64KB (64K x 8)                                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DMA, LVD, POR, PWM, WDT                                                           | Packaging                       | Tray                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 48-LQFP                                                                           | Oscillator Type                 | Internal                                                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -40°C ~ 85°C (TA)                                                                 | Number of I/O                   | 34                                                                                                              |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 (168 Hours)                                                                     | Manufacturer Standard Lead Time | 24 Weeks                                                                                                        |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lead free / RoHS Compliant                                                        | EEPROM Size                     | 4K x 8                                                                                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RL78 RL78/G14 Microcontroller IC 16-Bit 32MHz 64KB (64K x 8) FLASH 48-LFQFP (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                | R5F104                                                                                                          |
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