

R5F10EGCGFB#V0



Part Number: [R5F10EGCGFB#V0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 32KB FLASH 48LFQFP

Data sheet:  [RL78/G1A Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

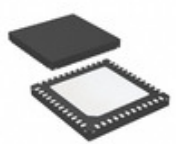
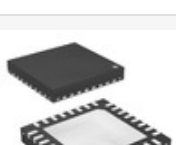
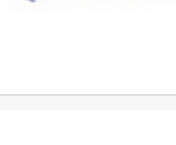
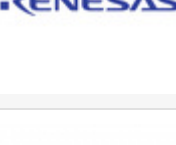
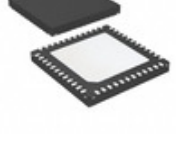
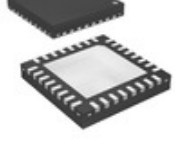
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                   |                                 |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | R5F10EGCGFB#V0                                                                    | Manufacturer                    | <a href="#">Renesas Electronics America</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 16BIT 32KB FLASH 48LFQFP                                                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                  | 65048 pcs                                                                         | Data sheet                      | <a href="#">RL78/G1A Datasheet</a>          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)      | 1.6 V ~ 3.6 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                             | 48-LFQFP (7x7)                                                                    | Speed                           | 32MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                              | RL78/G1A                                                                          | RAM Size                        | 2K x 8                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                 | FLASH                                                                             | Program Memory Size             | 32KB (32K x 8)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                         | DMA, LVD, POR, PWM, WDT                                                           | Packaging                       | Tray                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                      | 48-LQFP                                                                           | Oscillator Type                 | Internal                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 105°C (TA)                                                                | Number of I/O                   | 32                                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                                                                     | Manufacturer Standard Lead Time | 24 Weeks                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                                                        | EEPROM Size                     | -                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                | RL78 RL78/G1A Microcontroller IC 16-Bit 32MHz 32KB (32K x 8) FLASH 48-LFQFP (7x7) | Data Converters                 | A/D 24x12b                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                           | 16-Bit                                                                            | Core Processor                  | RL78                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                        | CSI, I <sup>2</sup> C, LINbus, UART/USART                                         | Base Part Number                | R5F10E                                      |
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