

R5F10RJCAFA#50



Part Number: [R5F10RJCAFA#50](#)

Manufacturer: [Renesas Electronics America](#)

Description: RL78/L12 MCU 32K 1.5K LQFP52

Data sheet:  [RL78/L12 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F10RJCAFA#50                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                        | RL78/L12 MCU 32K 1.5K LQFP52              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                 | 5929 pcs                                  | Data sheet                     | <a href="#">RL78/L12 Datasheet</a>                                                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.6 V ~ 5.5 V                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                            | 52-LQFP (10x10)                           | Speed                          | 24MHz                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/L12                                  | RAM Size                       | 1.5K x 8                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 32KB (32K x 8)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LCD, LVD, POR, PWM, WDT              | Packaging                      | Tape & Reel (TR)                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                     | 52-LQFP                                   | Oscillator Type                | Internal                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 37                                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                   | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                        | 2K x 8                                    | Detailed Description           | RL78 RL78/L12 Microcontroller IC 16-Bit 24MHz 32KB (32K x 8) FLASH 52-LQFP (10x10) |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F10RJCA                                 |                                |                                                                                    |
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