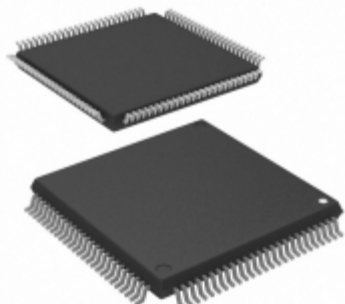


R5F11MPEAFB#50



**Part Number:** [R5F11MPEAFB#50](#)

**Manufacturer:** [Renesas Electronics America](#)

**Description:** IC MCU 16BIT 64KB FLASH 100QFP

**Data sheet:**  [RL78, L1A Datasheet](#)  
 [RL78, L1A Hardware Manual](#)

**RoHs Status:** Lead free / RoHS Compliant

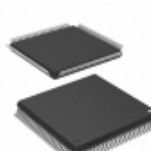
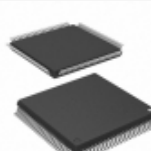
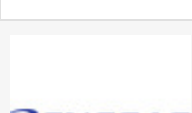
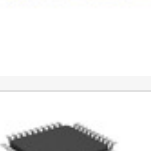
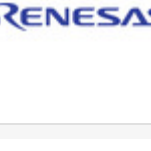
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                  |                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F11MPEAFB#50                                                                      | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 64KB FLASH 100QFP                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 29022 pcs                                                                           | Data sheet                       | <a href="#">RL78, L1A Datasheet</a><br><a href="#">RL78, L1A Hardware Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>                                           | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-LQFP (14x14)                                                                    | Speed                            | 24MHz                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/L1A                                                                            | RAM Size                         | 5.5K x 8                                                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                               | Program Memory Size              | 64KB (64K x 8)                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LCD, LVD, POR, PWM, WDT                                                             | Packaging                        | Original-Reel®                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100-LQFP                                                                            | Other Names                      | R5F11MPEAFB#50DKR                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal                                                                            | Operating Temperature            | -40°C ~ 85°C (TA)                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 79                                                                                  | 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/L1A Microcontroller IC 16-Bit 24MHz 64KB (64K x 8) FLASH 100-LQFP (14x14) | Data Converters                  | A/D 14x12b, D/A 2x12b                                                            |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-Bit                                                                              | Core Processor                   | RL78                                                                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CSI, I²C, LINbus, SPI, UART/USART                                                   |                                  |                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                            |                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">R5F21104DFP#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 32LQFP     | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21102FP#U0</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP       | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MMFAFB#50</a><br>Description: IC MCU 16BIT 96KB FLASH 80QFP      | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21103DFP#U0</a><br>Description: IC MCU 16BIT 12KB FLASH 32LQFP     | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MPEAFB#30</a><br>Description: IC MCU 16BIT 64KB FLASH 100LQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MPFAFB#30</a><br>Description: IC MCU 16BIT 96KB FLASH 100LQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11FLLDNA#20</a><br>Description: RL78/G1H 512K/48K 64PIN-QFN        | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MMEAFAFB#50</a><br>Description: IC MCU 16BIT 64KB FLASH 80QFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MPGAFAFB#50</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11FLLANA#40</a><br>Description: RL78/G1H 512KB/48KB 64QFN -40_+8   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21103FP#U0</a><br>Description: IC MCU 16BIT 12KB FLASH 32LQFP      | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21104FP#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 32LQFP      | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MMEAFAFB#30</a><br>Description: IC MCU 16BIT 64KB FLASH 80LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F21102DFP#U0</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP      | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MPFAFAFB#50</a><br>Description: IC MCU 16BIT 96KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MPGAFAFB#30</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MMDAFAFB#50</a><br>Description: IC MCU 16BIT 48KB FLASH 80QFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MMFAFAFB#30</a><br>Description: IC MCU 16BIT 96KB FLASH 80LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11FLLANA#20</a><br>Description: RL78/G1H 512KB/48KB 64QFN -40_+8   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F11MMDAFAFB#30</a><br>Description: IC MCU 16BIT 48KB FLASH 80LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |

|                                            |                                        |                         |                      |
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