

R5F1036AASP#V5



**Part Number:** [R5F1036AASP#V5](#)

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

**Description:** IC MCU 16BIT 16KB FLASH 20LSSOP

**Data sheet:**  [RL78/G12 Hardware Manual](#)  
 [RL78/G12 Datasheet](#)

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

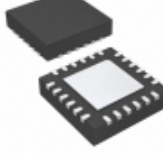
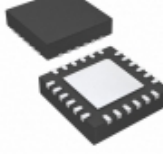
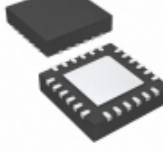
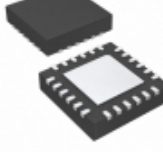
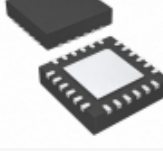
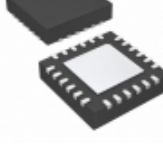
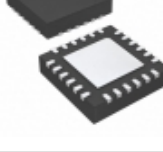
**Ship From:** Hong Kong

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F1036AASP#V5                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 16KB FLASH 20LSSOP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 91223 pcs                                 | Data sheet                     | <a href="#">RL78/G12 Hardware Manual</a><br><a href="#">RL78/G12 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.8 V ~ 5.5 V                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20-LSSOP                                  | Speed                          | 24MHz                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/G12                                  | RAM Size                       | 1.5K x 8                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 16KB (16K x 8)                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, POR, PWM, WDT                        | Packaging                      | Tube                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20-LSSOP (0.173", 4.40mm Width)           | Oscillator Type                | Internal                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 18                                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                     |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description           | RL78 RL78/G12 Microcontroller IC 16-Bit 24MHz 16KB (16K x 8) FLASH 20-LSSOP    |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 11x8/10b                              | Core Size                      | 16-Bit                                                                         |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RL78                                      | Connectivity                   | CSI, I <sup>2</sup> C, UART/USART                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F1036                                   |                                |                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                            |                     |
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|  | Part#: <a href="#">R5F10369ASP#X5</a><br>Description: IC MCU 16BIT 12KB FLASH 20LSSOP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F1036AASP#V0</a><br>Description: IC MCU 16BIT 16KB FLASH 20LSSOP | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F10377ANA#U5</a><br>Description: IC MCU 16BIT 4KB FLASH 24HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F10377ANA#W5</a><br>Description: IC MCU 16BIT 4KB FLASH 24HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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