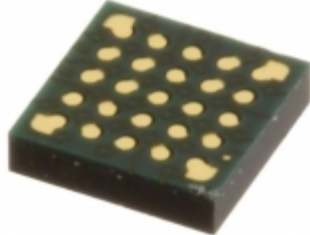


R5F1008EALA#W0



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [R5F1008EALA#W0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 64KB FLASH 25LGA

Data sheet:  [RL78/G13 Datasheet](#)  
 [RL78/G13 Hardware Manual](#)

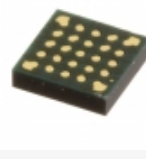
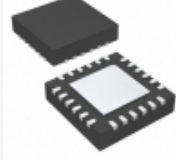
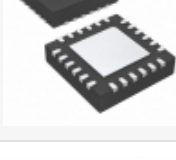
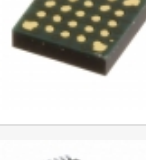
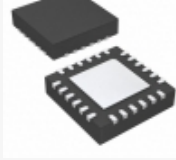
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F1008EALA#W0                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 64KB FLASH 25LGA             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 63646 pcs                                 | Data sheet                     | <a href="#">RL78/G13 Datasheet</a><br><a href="#">RL78/G13 Hardware Manual</a>  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.6 V ~ 5.5 V                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25-LGA (3x3)                              | Speed                          | 32MHz                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/G13                                  | RAM Size                       | 4K x 8                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 64KB (64K x 8)                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tape & Reel (TR)                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 25-WFLGA                                  | Oscillator Type                | Internal                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 15                                                                              |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                      |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description           | RL78 RL78/G13 Microcontroller IC 16-Bit 32MHz 64KB (64K x 8) FLASH 25-LGA (3x3) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 6x8/10b                               | Core Size                      | 16-Bit                                                                          |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RL78                                      | Connectivity                   | CSI, I <sup>2</sup> C, LINbus, UART/USART                                       |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F1008                                   |                                |                                                                                 |
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|  | Part#: <a href="#">R5F1008EALA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 25LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F100AADSP#V0</a><br>Description: IC MCU 16BIT 16KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F100AAASP#V0</a><br>Description: IC MCU 16BIT 16KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F1008AALA#W0</a><br>Description: IC MCU 16BIT 16KB FLASH 25LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F1008DALA#W0</a><br>Description: IC MCU 16BIT 48KB FLASH 25LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F100ACDSP#V0</a><br>Description: IC MCU 16BIT 32KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F100AAASP#X0</a><br>Description: IC MCU 16BIT 16KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F1008DALA#U0</a><br>Description: IC MCU 16BIT 48KB FLASH 25LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F100AAGSP#V0</a><br>Description: RL78/G13 16KB/2KB+4KB 30SSOP -40 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F1007EDNA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 24HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F100ACASP#X0</a><br>Description: IC MCU 16BIT 32KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F1008CALA#W0</a><br>Description: IC MCU 16BIT 32KB FLASH 25LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F1008CALA#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 25LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F1007EGNA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 24HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F1008AALA#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 25LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F100ACGSP#V0</a><br>Description: IC MCU 16BIT 32KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F100AAGSP#X0</a><br>Description: RL78/G13 16KB/2KB+4KB 30SSOP -40 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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