

R5F11BLEAFB#30



Part Number: [R5F11BLEAFB#30](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 64KB FLASH 64LFQFP

Data sheet:  [RL78/G1F Datasheet](#)  
 [RL78/G1F Hardware Manual](#)

RoHs Status: Lead free / RoHS Compliant

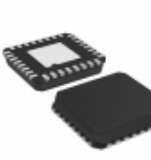
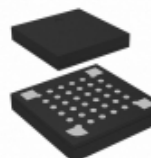
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                 |                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F11BLEAFB#30                                                                      | Manufacturer                    | <a href="#">Renesas Electronics America</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 64KB FLASH 64LFQFP                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 61552 pcs                                                                           | Data sheet                      | <a href="#">RL78/G1F Datasheet</a><br><a href="#">RL78/G1F Hardware Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>                                           | Voltage - Supply (Vcc/Vdd)      | 1.6 V ~ 5.5 V                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 64-LFQFP (10x10)                                                                    | Speed                           | 32MHz                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/G1F                                                                            | RAM Size                        | 5.5K x 8                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                               | Program Memory Size             | 64KB (64K x 8)                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LVD, POR, PWM, WDT                                                                  | Packaging                       | Tray                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-LQFP                                                                             | Oscillator Type                 | Internal                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                                                                   | Number of I/O                   | 58                                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 (Unlimited)                                                                       | Manufacturer Standard Lead Time | 24 Weeks                                                                       |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                                                          | EEPROM Size                     | 4K x 8                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RL78 RL78/G1F Microcontroller IC 16-Bit 32MHz 64KB (64K x 8) FLASH 64-LFQFP (10x10) | Data Converters                 | A/D 17x10b, D/A 1x8b                                                           |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-Bit                                                                              | Core Processor                  | RL78                                                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CSI, I <sup>2</sup> C, IrDA, LINbus, UART/USART                                     |                                 |                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                            |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">R5F11BBCAFP#30</a><br>Description: IC MCU 16BIT 32KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11BLCAFB#30</a><br>Description: IC MCU 16BIT 32KB FLASH 64LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11EA8ASP#50</a><br>Description: IC MCU 16BIT 8KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11BGCAFB#30</a><br>Description: IC MCU 16BIT 32KB FLASH 48LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11BBEAFP#30</a><br>Description: IC MCU 16BIT 64KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F11CCCMBG#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 36TFBGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11BGEAFB#50</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F11CBCMNA#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 32HVQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11BCEALA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 36WFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11EA8ASP#30</a><br>Description: IC MCU 16BIT 8KB FLASH 30LSSOP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11BGEAFB#30</a><br>Description: IC MCU 16BIT 64KB FLASH 48LFQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F11EAAASP#30</a><br>Description: IC MCU 16BIT 16KB FLASH 30LSSOP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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