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See specifications for product details.

### R5F10AGGLFB#V0

Part Number: **R5F10AGGLFB#V0**  
 Product Description: IC MCU 16BIT 128KB FLASH 48LFQFP  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [R5F10AGGLFB#V0.pdf](#)

Manufacturer/Brand: Renesas Electronics America  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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#### Product details

|                                       |   |   |                             |
|---------------------------------------|---|---|-----------------------------|
| <b>Part Number</b>                    | R5F10AGGLFB#V0  | <b>Manufacturer</b>                     | Renesas Electronics America |
| <b>Description</b>                    | IC MCU 16BIT 128KB FLASH 48LFQFP  | <b>Lead Free Status / RoHS Status</b>   | Lead free / RoHS Compliant  |
| <b>Data sheet</b>                     | R5F10AGGLFB#V0.pdf  |   |                             |
| <b>Voltage - Supply (Vcc/Vdd)</b>     | 2.7 V ~ 5.5 V   | <b>Supplier Device Package</b>          | 48-LFQFP (7x7)              |
| <b>Speed</b>                          | 32MHz   | <b>Series</b>                           | RL78/F13                    |
| <b>RAM Size</b>                       | 8K x 8  | <b>Program Memory Type</b>              | FLASH                       |
| <b>Program Memory Size</b>            | 128KB (128K x 8)  | <b>Peripherals</b>                      | LVD, POR, PWM, WDT          |
| <b>Packaging</b>                      | Tray  | <b>Package / Case</b>                   | 48-LQFP                     |
| <b>Oscillator Type</b>                | Internal  | <b>Operating Temperature</b>            | -40°C ~ 105°C (TA)          |
| <b>Number of I/O</b>                  | 38  | <b>Moisture Sensitivity Level (MSL)</b> | 3 (168 Hours)               |
| <b>Lead Free Status / RoHS Status</b> | Lead free / RoHS Compliant  | <b>EEPROM Size</b>                      | 4K x 8                      |
| <b>Detailed Description</b>           | RL78 RL78/F13 Microcontroller IC 16-Bit 32MHz 128KB (128K x 8) FLASH 48-LFQFP (7x7) | <b>Data Converters</b>                  | A/D 13x10b, D/A 2x8b        |
| <b>Core Size</b>                      | 16-Bit  | <b>Core Processor</b>                   | RL78                        |
| <b>Connectivity</b>                   | CSI, I <sup>2</sup> C, LINbus, SPI, UART/USART                                      |   |                             |

#### Related Products

|   |  |
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| <p><b>R5F10AGELFB#X5</b><br/>                 Manufacturers: Renesas Electronics America<br/>                 Description: IC MCU 16BIT 64KB FLASH 48LFQFP<br/>                 Download: <a href="#">R5F10AGELFB#X5.pdf</a></p> <p><a href="#">RFQ</a></p> | <p><b>R5F10BBCKNA#W5</b><br/>                 Manufacturers: Renesas Electronics America<br/>                 Description: RL78/F13(CAN) 32PIN QFN 32K<br/>                 Download: <a href="#">R5F10BBCKNA#W5.pdf</a></p> <p><a href="#">RFQ</a></p>      |
| <p><b>R5F10ABEYNA#W5</b><br/>                 Manufacturers: Renesas Electronics America<br/>                 Description: 16-BIT MCU RL78(AUTO) RL78/F13</p> <p><a href="#">RFQ</a></p>  | <p><b>R5F10AAEKSP#W5</b><br/>                 Manufacturers: Renesas Electronics America<br/>                 Description: 16BIT MCU RL78(AUTO)/F13_F14<br/>                 Download: <a href="#">R5F10AAEKSP#W5.pdf</a></p> <p><a href="#">RFQ</a></p>     |
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| <p><b>R5F10AGFLFB#X5</b><br/>                 Manufacturers: Renesas Electronics America<br/>                 Description: 16BIT MCU RL78(AUTO)/F13_F14<br/>                 Download: <a href="#">R5F10AGFLFB#X5.pdf</a></p> <p><a href="#">RFQ</a></p>    | <p><b>R5F10BAEKSP#W5</b><br/>                 Manufacturers: Renesas Electronics America<br/>                 Description: 16-BIT GENERAL MCU RL78(AUTO)<br/>                 Download: <a href="#">R5F10BAEKSP#W5.pdf</a></p> <p><a href="#">RFQ</a></p>    |
| <p><b>R5F10BAEKSP#U5</b><br/>                 Manufacturers: Renesas Electronics America<br/>                 Description: IC MCU 16BIT 64KB FLASH 30SSOP<br/>                 Download: <a href="#">R5F10BAEKSP#U5.pdf</a></p> <p><a href="#">RFQ</a></p>  | <p><b>R5F10AACLSP#W5</b><br/>                 Manufacturers: Renesas Electronics America<br/>                 Description: 16-BIT GENERAL MCU RL78(AUTO) RL<br/>                 Download: <a href="#">R5F10AACLSP#W5.pdf</a></p> <p><a href="#">RFQ</a></p> |

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