

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------|---------------------|-----------------------------|----------------------|---------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------|------------|-----------|---------------|-----------------------|
|   | <div data-bbox="452 178 766 209"> <h1>R5F109AAJSP#X0</h1> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
|  | <table> <tr> <td>Manufacturer Part Number:</td><td>R5F109AAJSP#X0</td></tr> <tr> <td>Manufacturer/Brand:</td><td>Renesas Electronics America</td></tr> <tr> <td>Part of Description:</td><td>IC MCU 16BIT 16KB FLASH 30LSSOP</td></tr> <tr> <td>RoHs Status:</td><td> <div>  Lead free / RoHS </div> </td></tr> <tr> <td>Stock Condition:</td><td> <div> Compliant New original, 2554 pcs Stock Available. </div> </td></tr> <tr> <td>Ship From:</td><td>Hong Kong</td></tr> <tr> <td>Shipment Way:</td><td>DHL/Fedex/TNT/UPS/EMS</td></tr> </table> | Manufacturer Part Number: | R5F109AAJSP#X0 | Manufacturer/Brand: | Renesas Electronics America | Part of Description: | IC MCU 16BIT 16KB FLASH 30LSSOP | RoHs Status: | <div>  Lead free / RoHS </div> | Stock Condition: | <div> Compliant New original, 2554 pcs Stock Available. </div> | Ship From: | Hong Kong | Shipment Way: | DHL/Fedex/TNT/UPS/EMS |
| Manufacturer Part Number:                                                         | R5F109AAJSP#X0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
| Manufacturer/Brand:                                                               | Renesas Electronics America                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
| Part of Description:                                                              | IC MCU 16BIT 16KB FLASH 30LSSOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
| RoHs Status:                                                                      | <div>  Lead free / RoHS </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
| Stock Condition:                                                                  | <div> Compliant New original, 2554 pcs Stock Available. </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
| Ship From:                                                                        | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
| Shipment Way:                                                                     | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |
| <div>Image may be representation.<br/>See specs for product details.</div>        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                |                     |                             |                      |                                 |              |                                                                                                                 |                  |                                                                |            |           |               |                       |

## Specifications

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| Part Number                | R5F109AAJSP#X0                                          |
| Manufacturer               | Renesas Electronics America                             |
| Description                | IC MCU 16BIT 16KB FLASH 30LSSOP                         |
| Category                   | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                | 2554 pcs Stock                                          |
| Voltage - Supply (Vcc/Vdd) | 1.6 V ~ 5.5 V                                           |
| Supplier Device Package    | 30-LSSOP                                                |
| Speed                      | 32MHz                                                   |
| Series                     | RL78/F12                                                |
| RAM Size                   | 1K x 8                                                  |
| Program Memory Type        | FLASH                                                   |
| Program Memory Size        | 16KB (16K x 8)                                          |
| Peripherals                | DMA, LVD, POR, PWM, WDT                                 |
| Packaging                  | Tape & Reel (TR)                                        |
| Package / Case             | 30-LSSOP (0.240", 6.10mm Width)                         |
| Oscillator Type            | Internal                                                |
| Operating Temperature      | -40°C ~ 85°C (TA)                                       |
| Number of I/O              | 21                                                      |
| EEPROM Size                | 4K x 8                                                  |
| Data Converters            | A/D 8x8/10b                                             |
| Core Size                  | 16-Bit                                                  |
| Core Processor             | RL78                                                    |
| Connectivity               | CSI, I²C, LIN, UART/USART                               |

## You May Be Also Be interested

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>In:</p>  <p><b>R5F109AAJSP#V0</b><br/>Renesas Electronics America<br/>IC MCU 16BIT 16KB FLASH<br/>30LSSOP</p> |  <p><b>R5F109AAJSP</b><br/>RENESAS<br/>RENESAS SSOP30</p>     |  <p><b>R5F1096CJSP#X0</b><br/>RENESAS<br/>RENESAS SSOP</p> |  <p><b>R5F109AAKSP#X0</b><br/>RENESAS<br/>RENESAS SSOP30</p> |
|  <p><b>R5F1096AKSP IC</b><br/>RENESAS<br/>RENESAS LSSOP-20</p>                                                   |  <p><b>R5F109AAKSP IC</b><br/>RENESAS<br/>RENESAS LSSOP30</p> |  <p><b>R5F109AAK</b><br/>RENESAS<br/>RENESAS SSOP30</p>    |  <p><b>R5F109AAKSP</b><br/>RENESAS<br/>RENESAS SSOP30</p>    |

## R5F109AAJSP#X0 Related keyword

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| R5F109AAJSP#X0 Electronic                  | R5F109AAJSP#X0 Components   | R5F109AAJSP#X0 Distributor | R5F109AAJSP#X0 Image | R5F109AAJSP#X0 Part         |
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