

|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------|---------------------|-----------------------------|----------------------|---------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------|------------|-----------|---------------|
| <div></div> <div><div>Not Actual Photo<br/>YIC International Co., Limited.</div></div> | <div><div>R5F110MJAFB#30</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
|                                                                                                                                                                                                                                                         | <table><tr><td>Manufacturer Part Number:</td><td>R5F110MJAFB#30</td></tr><tr><td>Manufacturer/Brand:</td><td>Renesas Electronics America</td></tr><tr><td>Part of Description:</td><td>IC MCU 16BIT 256KB FLASH 80LQFP</td></tr><tr><td>Datasheets:</td><td> <a href="#">R5F110MJAFB#30.pdf</a></td></tr><tr><td>RoHs Status:</td><td> Lead free / RoHS</td></tr><tr><td>Stock Condition:</td><td>Compliant<br/>New original, 1202 pcs Stock Available.</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: | R5F110MJAFB#30 | Manufacturer/Brand: | Renesas Electronics America | Part of Description: | IC MCU 16BIT 256KB FLASH 80LQFP | Datasheets: |  <a href="#">R5F110MJAFB#30.pdf</a> | RoHs Status: |  Lead free / RoHS | Stock Condition: | Compliant<br>New original, 1202 pcs Stock Available. | Ship From: | Hong Kong | Shipment Way: |
| Manufacturer Part Number:                                                                                                                                                                                                                               | R5F110MJAFB#30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
| Manufacturer/Brand:                                                                                                                                                                                                                                     | Renesas Electronics America                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
| Part of Description:                                                                                                                                                                                                                                    | IC MCU 16BIT 256KB FLASH 80LQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
| Datasheets:                                                                                                                                                                                                                                             |  <a href="#">R5F110MJAFB#30.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
| RoHs Status:                                                                                                                                                                                                                                            |  Lead free / RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
| Stock Condition:                                                                                                                                                                                                                                        | Compliant<br>New original, 1202 pcs Stock Available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
| Ship From:                                                                                                                                                                                                                                              | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
| Shipment Way:                                                                                                                                                                                                                                           | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |
| Image may be representation.<br>See specs for product details.                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                |                     |                             |                      |                                 |             |                                                                                                                      |              |                                                                                                    |                  |                                                      |            |           |               |

| Specifications             |                                                         |
|----------------------------|---------------------------------------------------------|
| Part Number                | R5F110MJAFB#30                                          |
| Manufacturer               | Renesas Electronics America                             |
| Description                | IC MCU 16BIT 256KB FLASH 80LQFP                         |
| Category                   | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                | 1202 pcs Stock                                          |
| Voltage - Supply (Vcc/Vdd) | 1.6 V ~ 3.6 V                                           |
| Supplier Device Package    | 80-LQFP (12x12)                                         |
| Speed                      | 24MHz                                                   |
| Series                     | RL78/L1C                                                |
| RAM Size                   | 16K x 8                                                 |
| Program Memory Type        | FLASH                                                   |
| Program Memory Size        | 256KB (256K x 8)                                        |
| Peripherals                | LCD, LVD, POR, PWM, WDT                                 |
| Packaging                  | Tray                                                    |
| Package / Case             | 80-LQFP                                                 |
| Oscillator Type            | Internal                                                |
| Operating Temperature      | -40°C ~ 85°C (TA)                                       |
| Number of I/O              | 51                                                      |
| EEPROM Size                | 8K x 8                                                  |
| Data Converters            | A/D 9x8/12b, D/A 2x8b                                   |
| Core Size                  | 16-Bit                                                  |
| Core Processor             | RL78                                                    |
| Connectivity               | CSI, I <sup>2</sup> C, LIN, UART/USART, USB             |
|                            |                                                         |

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|     | <div><b>R5F110NFALA#U0</b><br/>Renesas Electronics America<br/>IC MCU 16BIT 96KB FLASH<br/>85VLGA</div> | <div><b>R5F110MHGFB#30</b><br/>Renesas Electronics America<br/>IC MCU 16BIT 192KB FLASH<br/>80LQFP</div> | <div><b>R5F110NGALA#U0</b><br/>Renesas Electronics America<br/>IC MCU 16BIT 128KB FLASH<br/>85VLGA</div> | <div><b>R5F110MJGFB#30</b><br/>Renesas Electronics America<br/>IC MCU 16BIT 256KB FLASH<br/>80LQFP</div> |
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