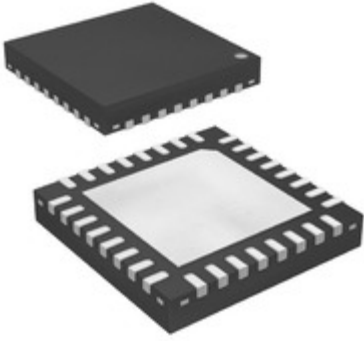


R5F104BGANA#U0



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [R5F104BGANA#U0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 128KB FLASH 32HWQFN

Data sheet:  [RL78/G14 Datasheet](#)  
 [RL78/G14 Hardware Manual](#)  
 [RL78 Brochure](#)

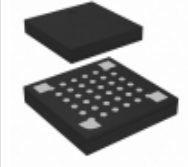
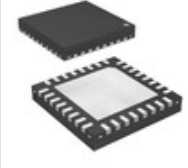
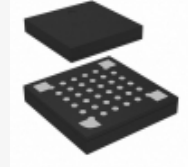
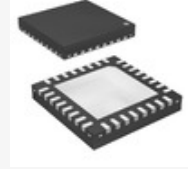
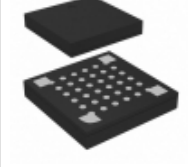
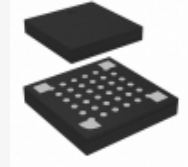
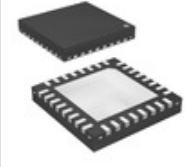
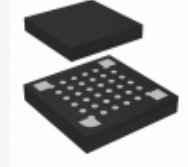
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F104BGANA#U0                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 128KB FLASH 32HWQFN          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 48194 pcs                                 | Data sheet                     | <a href="#">RL78/G14 Datasheet</a><br><a href="#">RL78/G14 Hardware Manual</a><br><a href="#">RL78 Brochure</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.6 V ~ 5.5 V                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-HWQFN (5x5)                            | Speed                          | 32MHz                                                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/G14                                  | RAM Size                       | 16K x 8                                                                                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 128KB (128K x 8)                                                                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-WFQFN Exposed Pad                      | Oscillator Type                | Internal                                                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C (TA)                         | Number of I/O                  | 22                                                                                                              |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                      |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8K x 8                                    | Detailed Description           | RL78 RL78/G14 Microcontroller IC 16-Bit 32MHz 128KB (128K x 8) FLASH 32-HWQFN (5x5)                             |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 8x8/10b, D/A 2x8b                     | Core Size                      | 16-Bit                                                                                                          |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RL78                                      | Connectivity                   | CSI, I <sup>2</sup> C, LINbus, UART/USART                                                                       |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F104                                    |                                |                                                                                                                 |
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|  | Part#: <a href="#">R5F104BFANA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BFDFF#V0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BGDFF#V0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104CFALA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BGANA#W0</a><br>Description: IC MCU 16BIT 128KB FLASH 32HWQFN | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BEGNA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BGAFP#V0</a><br>Description: IC MCU 16BIT 128KB FLASH 32LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BGDFP#X0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104CAALA#U0</a><br>Description: IC MCU 16BIT 16KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BFAFP#X0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BFGNA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 32HWQFN  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104CCALA#U0</a><br>Description: IC MCU 16BIT 32KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BFAFP#V0</a><br>Description: IC MCU 16BIT 96KB FLASH 32LQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BGGFP#V0</a><br>Description: RL78/G14 128KB/16KB+8KB 32QFP -4 | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BFGFP#V0</a><br>Description: IC MCU 16BIT                     | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104CFGLA#U0</a><br>Description: IC MCU 16BIT 96KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104CEALA#U0</a><br>Description: IC MCU 16BIT 64KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104BFANA#W0</a><br>Description: IC MCU 16BIT 96KB FLASH 32QFN    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F104CDALA#U0</a><br>Description: IC MCU 16BIT 48KB FLASH 36WFLGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

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