



Renesas Electronics America



### R5F104GGDFB#V0

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F104GGDFB#V0                                                                                               |
| Manufacturer/Brand: | Renesas Electronics America                                                                                  |
| Product description | IC MCU 16BIT                                                                                                 |
|                     |  1.R5F104GGDFB#V0.pdf       |
|                     |  2.R5F104GGDFB#V0.pdf       |
|                     |  3.R5F104GGDFB#V0.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6847 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

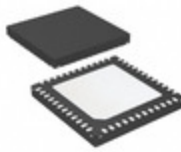
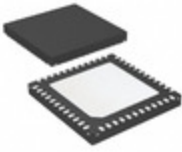
#### Specifications of R5F104GGDFB#V0

|                                  |                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | R5F104GGDFB#V0                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Renesas Electronics America                                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 16BIT                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 6847 pcs                                                                                                                                                                                                                                                                                                                         |
| DATA SHEET                       |  1.R5F104GGDFB#V0.pdf<br> 2.R5F104GGDFB#V0.pdf<br> 3.R5F104GGDFB#V0.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.6 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 48-LFQFP (7x7)                                                                                                                                                                                                                                                                                                                   |
| 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                   | 48-LQFP                                                                                                                                                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                |
| NUMBER OF I/O                    | 34                                                                                                                                                                                                                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                    |
| 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 48-LFQFP (7x7)                                                                                                                                                                                                                                              |
| DATA CONVERTERS                  | A/D 10x8/10b, D/A 2x8b                                                                                                                                                                                                                                                                                                           |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                           |
| CORE PROCESSOR                   | RL78                                                                                                                                                                                                                                                                                                                             |
| CONNECTIVITY                     | CSI, I²C, LINbus, UART/USART                                                                                                                                                                                                                                                                                                     |
| BASE PART NUMBER                 | R5F104                                                                                                                                                                                                                                                                                                                           |

#### Related Tags

|                                            |                                        |                                                |
|--------------------------------------------|----------------------------------------|------------------------------------------------|
| Renesas Electronics America R5F104GGDFB#V0 | R5F104GGDFB#V0 Distributor             | R5F104GGDFB#V0 Supplier                        |
| R5F104GGDFB#V0 Price                       | R5F104GGDFB#V0 Pictures                | R5F104GGDFB#V0 Image                           |
| R5F104GGDFB#V0 PDF Datasheet               | R5F104GGDFB#V0 Download Datasheet      | R5F104GGDFB#V0 Datasheet                       |
| R5F104GGDFB#V0 Stock                       | Buy R5F104GGDFB#V0                     | Buy Renesas Electronics America R5F104GGDFB#V0 |
| Renesas Electronics America R5F104GGDFB#V0 | Renesas Electronics America Supplier   | Renesas Electronics America Distributor        |
| Renesas Electronics America R5F104GGDFB#V0 | Renesas Technology Corp R5F104GGDFB#V0 | Renesas R5F104GGDFB#V0                         |

#### Related Products

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|  <div><b>R5F104GGAFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48LFQFP<br/>In stock: 5273 pcs</div> <div>RFQ</div>              |  <div><b>R5F104GHAFB#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 192KB FLASH 48LFQFP<br/>In stock: 40210 pcs</div> <div>RFQ</div> |
|  <div><b>R5F104GHDFB#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT<br/>In stock: 6536 pcs</div> <div>RFQ</div>                      |  <div><b>R5F104GGAFB#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 48LFQFP<br/>In stock: 27587 pcs</div> <div>RFQ</div> |
|  <div><b>R5F104GGDFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48LFQFP<br/>In stock: 5298 pcs</div> <div>RFQ</div>              |  <div><b>R5F104GGAFB#X0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 48QFP<br/>In stock: 21433 pcs</div> <div>RFQ</div>   |
|  <div><b>R5F104GHAFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48LFQFP<br/>In stock: 5112 pcs</div> <div>RFQ</div>              |  <div><b>R5F104GGAFB#50</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48LFQFP<br/>In stock: 5019 pcs</div> <div>RFQ</div>              |
|  <div><b>R5F104GGANA#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 48HWQFN<br/>In stock: 28485 pcs</div> <div>RFQ</div> |  <div><b>R5F104GHDFB#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48LFQFP<br/>In stock: 3318 pcs</div> <div>RFQ</div>              |
|  <div><b>R5F104GGGFB#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 48LFQFP<br/>In stock: 35392 pcs</div> <div>RFQ</div> |  <div><b>R5F104GHANA#U0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 192KB FLASH 48HWQFN<br/>In stock: 29331 pcs</div> <div>RFQ</div> |