



Renesas Electronics America



R5F101FDAFP#50

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | R5F101FDAFP#50                                                                                               |
| Manufacturer/Brand: | Renesas Electronics America                                                                                  |
| Product description | IC MCU 16BIT 48KB FLASH 44LQFP                                                                               |
|                     |  1.R5F101FDAFP#50.pdf       |
|                     |  2.R5F101FDAFP#50.pdf       |
|                     |  3.R5F101FDAFP#50.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6965 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 R5F101FDAFP#50

|                                  |                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | R5F101FDAFP#50                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Renesas Electronics America                                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 16BIT 48KB FLASH 44LQFP                                                                                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 6965 pcs                                                                                                                                                                                                                                                                                                                         |
| DATA SHEET                       |  1.R5F101FDAFP#50.pdf<br> 2.R5F101FDAFP#50.pdf<br> 3.R5F101FDAFP#50.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.6 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 44-LQFP (10x10)                                                                                                                                                                                                                                                                                                                  |
| SPEED                            | 32MHz                                                                                                                                                                                                                                                                                                                            |
| SERIES                           | RL78/G13                                                                                                                                                                                                                                                                                                                         |
| RAM SIZE                         | 3K x 8                                                                                                                                                                                                                                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                            |
| PROGRAM MEMORY SIZE              | 48KB (48K x 8)                                                                                                                                                                                                                                                                                                                   |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                          |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 44-LQFP                                                                                                                                                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                |
| NUMBER OF I/O                    | 31                                                                                                                                                                                                                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                       |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | RL78 RL78/G13 Microcontroller IC 16-Bit 32MHz 48KB (48K x 8) FLASH 44-LQFP (10x10)                                                                                                                                                                                                                                               |
| DATA CONVERTERS                  | A/D 10x8/10b                                                                                                                                                                                                                                                                                                                     |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                           |
| CORE PROCESSOR                   | RL78                                                                                                                                                                                                                                                                                                                             |
| CONNECTIVITY                     | CSI, I²C, LINbus, UART/USART                                                                                                                                                                                                                                                                                                     |
| BASE PART NUMBER                 | R5F101                                                                                                                                                                                                                                                                                                                           |

Related Tags

|                                            |                                        |                                                |
|--------------------------------------------|----------------------------------------|------------------------------------------------|
| Renesas Electronics America R5F101FDAFP#50 | R5F101FDAFP#50 Distributor             | R5F101FDAFP#50 Supplier                        |
| R5F101FDAFP#50 Price                       | R5F101FDAFP#50 Pictures                | R5F101FDAFP#50 Image                           |
| R5F101FDAFP#50 PDF Datasheet               | R5F101FDAFP#50 Download Datasheet      | R5F101FDAFP#50 Datasheet                       |
| R5F101FDAFP#50 Stock                       | Buy R5F101FDAFP#50                     | Buy Renesas Electronics America R5F101FDAFP#50 |
| Renesas Electronics America R5F101FDAFP#50 | Renesas Electronics America Supplier   | Renesas Electronics America Distributor        |
| Renesas Electronics America R5F101FDAFP#50 | Renesas Technology Corp R5F101FDAFP#50 | Renesas R5F101FDAFP#50                         |

Related Products

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|  <div><b>R5F101FDAFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48KB FLASH 44LQFP<br/>In stock: 48859 pcs<br/><div>RFQ</div></div> |  <div><b>R5F101FCDFP#50</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 32KB FLASH 44LQFP<br/>In stock: 5633 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F101FDDFP#50</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48KB FLASH 44LQFP<br/>In stock: 5745 pcs<br/><div>RFQ</div></div>  |  <div><b>R5F101FCDFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 32KB FLASH 44LQFP<br/>In stock: 3487 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F101FDDFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48KB FLASH 44LQFP<br/>In stock: 46687 pcs<br/><div>RFQ</div></div> |  <div><b>R5F101FDDFP#X0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48KB FLASH 44LQFP<br/>In stock: 5766 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F101FDAFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48KB FLASH 44LQFP<br/>In stock: 5877 pcs<br/><div>RFQ</div></div>  |  <div><b>R5F101FDAFP#X0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48KB FLASH 44LQFP<br/>In stock: 3489 pcs<br/><div>RFQ</div></div>  |
|  <div><b>R5F101FDDFP#30</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 48KB FLASH 44LQFP<br/>In stock: 4162 pcs<br/><div>RFQ</div></div>  |  <div><b>R5F101FCDFP#V0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 32KB FLASH 44LQFP<br/>In stock: 52377 pcs<br/><div>RFQ</div></div> |
|  <div><b>R5F101FCDFP#X0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 32KB FLASH 44LQFP<br/>In stock: 5748 pcs<br/><div>RFQ</div></div>  |  <div><b>R5F101FCAFP#X0</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 32KB FLASH 44LQFP<br/>In stock: 4328 pcs<br/><div>RFQ</div></div>  |