



Image may be representation. See specifications for product details.

## UPD78F1164AGF-GAS-AX

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | UPD78F1164AGF-GAS-AX                                                                                                       |
| Manufacturer/Brand: | Renesas Electronics America                                                                                                |
| Product description | IC MCU 16BIT 128KB FLASH 100LQFP                                                                                           |
| Datasheets:         |  <a href="#">UPD78F1164AGF-GAS-AX.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant               |
| Stock Condition     | 3211 pcs stock                                                                                                             |
| Ship From           | Hong Kong                                                                                                                  |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                      |

REQUEST FOR QUOTATION

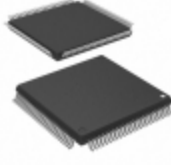
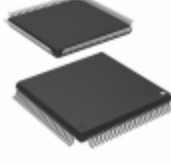
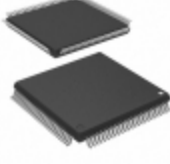
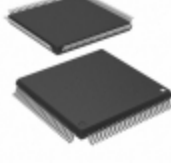
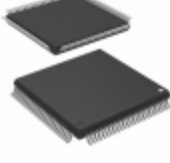
### Specifications of UPD78F1164AGF-GAS-AX

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | UPD78F1164AGF-GAS-AX                                                                                                         |
| MANUFACTURER                     | Renesas Electronics America                                                                                                  |
| DESCRIPTION                      | IC MCU 16BIT 128KB FLASH 100LQFP                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| QUANTITY AVAILABLE               | 3211 pcs                                                                                                                     |
| DATA SHEET                       |  <a href="#">UPD78F1164AGF-GAS-AX.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                                |
| SPEED                            | 20MHz                                                                                                                        |
| SERIES                           | 78K0R/Kx3                                                                                                                    |
| RAM SIZE                         | 8K x 8                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                        |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                             |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                                      |
| PACKAGING                        | Tray                                                                                                                         |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                            |
| NUMBER OF I/O                    | 83                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                            |
| DETAILED DESCRIPTION             | 78K/0R 78K0R/Kx3 Microcontroller IC 16-Bit 20MHz 128KB (128K x 8) FLASH                                                      |
| DATA CONVERTERS                  | A/D 16x10b; D/A 2x8b                                                                                                         |
| CORE SIZE                        | 16-Bit                                                                                                                       |
| CORE PROCESSOR                   | 78K/0R                                                                                                                       |
| CONNECTIVITY                     | 3-Wire SIO, I <sup>2</sup> C, LINbus, UART/USART                                                                             |

### Related Tags

|                                                  |                                              |                                                      |
|--------------------------------------------------|----------------------------------------------|------------------------------------------------------|
| Renesas Electronics America UPD78F1164AGF-GAS-AX | UPD78F1164AGF-GAS-AX Distributor             | UPD78F1164AGF-GAS-AX Supplier                        |
| UPD78F1164AGF-GAS-AX Price                       | UPD78F1164AGF-GAS-AX Pictures                | UPD78F1164AGF-GAS-AX Image                           |
| UPD78F1164AGF-GAS-AX PDF Datasheet               | UPD78F1164AGF-GAS-AX Download Datasheet      | UPD78F1164AGF-GAS-AX Datasheet                       |
| UPD78F1164AGF-GAS-AX Stock                       | Buy UPD78F1164AGF-GAS-AX                     | Buy Renesas Electronics America UPD78F1164AGF-GAS-AX |
| Renesas Electronics America UPD78F1164AGF-GAS-AX | Renesas Electronics America Supplier         | Renesas Electronics America Distributor              |
| Renesas Electronics America UPD78F1164AGF-GAS-AX | Renesas Technology Corp UPD78F1164AGF-GAS-AX | Renesas UPD78F1164AGF-GAS-AX                         |

### Related Products

|                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>UPD78F1162AGF-GAS-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 64KB FLASH 100LQFP<br/>In stock: 3818 pcs<br/><b>RFQ</b></div>  |  <div><b>UPD78F1166AGF-GAS-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 256KB FLASH 100LQFP<br/>In stock: 3820 pcs<br/><b>RFQ</b></div> |
|  <div><b>UPD78F1156AGK-GAK-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 256KB FLASH 80LQFP<br/>In stock: 4663 pcs<br/><b>RFQ</b></div>  |  <div><b>UPD78F1165AGF-GAS-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 192KB FLASH 100LQFP<br/>In stock: 6780 pcs<br/><b>RFQ</b></div> |
|  <div><b>UPD78F1167AGF-GAS-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 384KB FLASH 100LQFP<br/>In stock: 4368 pcs<br/><b>RFQ</b></div> |  <div><b>UPD78F1164AGC-UEU-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 100LQFP<br/>In stock: 5448 pcs<br/><b>RFQ</b></div> |
|  <div><b>UPD78F1166AGC-UEU-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 256KB FLASH 100LQFP<br/>In stock: 3323 pcs<br/><b>RFQ</b></div> |  <div><b>UPD78F1163AGC-UEU-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 96KB FLASH 100LQFP<br/>In stock: 3580 pcs<br/><b>RFQ</b></div>  |
|  <div><b>UPD78F1165AGC-UEU-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 192KB FLASH 100LQFP<br/>In stock: 6541 pcs<br/><b>RFQ</b></div> |  <div><b>UPD78F1163AGF-GAS-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 96KB FLASH 100LQFP<br/>In stock: 4371 pcs<br/><b>RFQ</b></div>  |
|  <div><b>UPD78F1162AGC-UEU-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 64KB FLASH 100LQFP<br/>In stock: 2748 pcs<br/><b>RFQ</b></div>  |  <div><b>UPD78F1167AGC-UEU-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 384KB FLASH 100LQFP<br/>In stock: 3526 pcs<br/><b>RFQ</b></div> |