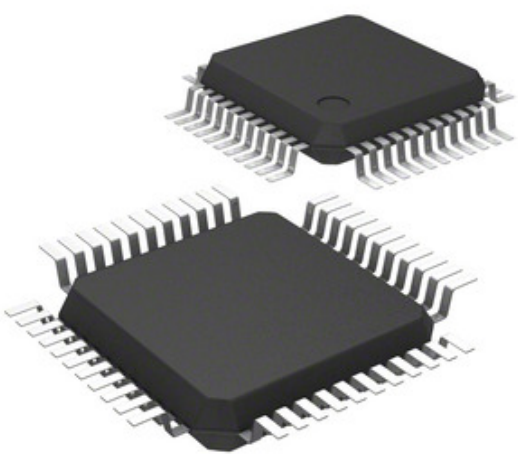




Renesas Electronics America



UPD78F0513AGB-GAF-AX

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | UPD78F0513AGB-GAF-AX                                                                                                       |
| Manufacturer/Brand: | Renesas Electronics America                                                                                                |
| Product description | IC MCU 8BIT 32KB FLASH 44LQFP                                                                                              |
| Datasheets:         |  <a href="#">UPD78F0513AGB-GAF-AX.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant               |
| Stock Condition     | 42382 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 UPD78F0513AGB-GAF-AX

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | UPD78F0513AGB-GAF-AX                                                                                                         |
| MANUFACTURER                     | Renesas Electronics America                                                                                                  |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 44LQFP                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| QUANTITY AVAILABLE               | 42382 pcs                                                                                                                    |
| DATA SHEET                       |  <a href="#">UPD78F0513AGB-GAF-AX.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                                |
| SPEED                            | 20MHz                                                                                                                        |
| SERIES                           | 78K0/Kx2                                                                                                                     |
| RAM SIZE                         | 1K x 8                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                        |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                               |
| PERIPHERALS                      | LVD, POR, PWM, WDT                                                                                                           |
| PACKAGING                        | Tray                                                                                                                         |
| PACKAGE / CASE                   | 44-LQFP                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                            |
| NUMBER OF I/O                    | 37                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                            |
| DETAILED DESCRIPTION             | 78K/0 78K0/Kx2 Microcontroller IC 8-Bit 20MHz 32KB (32K x 8) FLASH                                                           |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                    |
| CORE SIZE                        | 8-Bit                                                                                                                        |
| CORE PROCESSOR                   | 78K/0                                                                                                                        |
| CONNECTIVITY                     | 3-Wire SIO, I <sup>2</sup> C, LINbus, UART/USART                                                                             |

Related Tags

|                                                  |                                              |                                                      |
|--------------------------------------------------|----------------------------------------------|------------------------------------------------------|
| Renesas Electronics America UPD78F0513AGB-GAF-AX | UPD78F0513AGB-GAF-AX Distributor             | UPD78F0513AGB-GAF-AX Supplier                        |
| UPD78F0513AGB-GAF-AX Price                       | UPD78F0513AGB-GAF-AX Pictures                | UPD78F0513AGB-GAF-AX Image                           |
| UPD78F0513AGB-GAF-AX PDF Datasheet               | UPD78F0513AGB-GAF-AX Download Datasheet      | UPD78F0513AGB-GAF-AX Datasheet                       |
| UPD78F0513AGB-GAF-AX Stock                       | Buy UPD78F0513AGB-GAF-AX                     | Buy Renesas Electronics America UPD78F0513AGB-GAF-AX |
| Renesas Electronics America UPD78F0513AGB-GAF-AX | Renesas Electronics America Supplier         | Renesas Electronics America Distributor              |
| Renesas Electronics America UPD78F0513AGB-GAF-AX | Renesas Technology Corp UPD78F0513AGB-GAF-AX | Renesas UPD78F0513AGB-GAF-AX                         |

Related Products

|                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>UPD78F0511AGB-GAF-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 16KB FLASH 44LQFP<br/>In stock: 5667 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>UPD78F0514AGA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 48KB FLASH 48LQFP<br/>In stock: 3921 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>UPD78F0512AGB-GAF-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 24KB FLASH 44LQFP<br/>In stock: 5838 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>UPD78F0512AGA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 24KB FLASH 48LQFP<br/>In stock: 4473 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>UPD78F0513AMC-GAA-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 32KB FLASH 38SSOP<br/>In stock: 38626 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>UPD78F0513AGA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 32KB FLASH 48LQFP<br/>In stock: 5129 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>UPD78F0511AMC-GAA-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 16KB FLASH 38SSOP<br/>In stock: 52619 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>UPD78F0515AGA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 60KB FLASH 48LQFP<br/>In stock: 4341 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>UPD78F0521AGB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 16KB FLASH 52LQFP<br/>In stock: 5286 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>UPD78F0522AGB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 24KB FLASH 52LQFP<br/>In stock: 4161 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>UPD78F0523AGB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 32KB FLASH 52LQFP<br/>In stock: 34257 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>UPD78F0512AMC-GAA-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 24KB FLASH 38SSOP<br/>In stock: 2897 pcs<br/><div>RFQ</div></div> |