



Renesas Electronics America



UPD78F0413GA-GAM-AX

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | UPD78F0413GA-GAM-AX                                                                                                       |
| Manufacturer/Brand: | Renesas Electronics America                                                                                               |
| Product description | IC MCU 8BIT 32KB FLASH 48LQFP                                                                                             |
| Datasheets:         |  <a href="#">UPD78F0413GA-GAM-AX.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant              |
| Stock Condition     | 37969 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 UPD78F0413GA-GAM-AX

|                                  |                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | UPD78F0413GA-GAM-AX                                                                                                         |
| MANUFACTURER                     | Renesas Electronics America                                                                                                 |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 48LQFP                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                  |
| QUANTITY AVAILABLE               | 37969 pcs                                                                                                                   |
| DATA SHEET                       |  <a href="#">UPD78F0413GA-GAM-AX.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                               |
| SPEED                            | 10MHz                                                                                                                       |
| SERIES                           | 78K0/Lx3                                                                                                                    |
| RAM SIZE                         | 1K x 8                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                       |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                              |
| PERIPHERALS                      | LCD, LVD, POR, PWM, WDT                                                                                                     |
| PACKAGING                        | Tray                                                                                                                        |
| PACKAGE / CASE                   | 48-LQFP                                                                                                                     |
| OTHER NAMES                      | 972-1027<br>UPD78F0413GA-GAM-AX-ND<br>UPD78F0413GAGAMAX                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                           |
| NUMBER OF I/O                    | 30                                                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                  |
| EEPROM SIZE                      | -                                                                                                                           |
| DETAILED DESCRIPTION             | 78K/0 78K0/Lx3 Microcontroller IC 8-Bit 10MHz 32KB (32K x 8) FLASH                                                          |
| DATA CONVERTERS                  | A/D 6x10b                                                                                                                   |
| CORE SIZE                        | 8-Bit                                                                                                                       |
| CORE PROCESSOR                   | 78K/0                                                                                                                       |
| CONNECTIVITY                     | LINbus, UART/USART                                                                                                          |

Related Tags

|                                                 |                                             |                                                     |
|-------------------------------------------------|---------------------------------------------|-----------------------------------------------------|
| Renesas Electronics America UPD78F0413GA-GAM-AX | UPD78F0413GA-GAM-AX Distributor             | UPD78F0413GA-GAM-AX Supplier                        |
| UPD78F0413GA-GAM-AX Price                       | UPD78F0413GA-GAM-AX Pictures                | UPD78F0413GA-GAM-AX Image                           |
| UPD78F0413GA-GAM-AX PDF Datasheet               | UPD78F0413GA-GAM-AX Download Datasheet      | UPD78F0413GA-GAM-AX Datasheet                       |
| UPD78F0413GA-GAM-AX Stock                       | Buy UPD78F0413GA-GAM-AX                     | Buy Renesas Electronics America UPD78F0413GA-GAM-AX |
| Renesas Electronics America UPD78F0413GA-GAM-AX | Renesas Electronics America Supplier        | Renesas Electronics America Distributor             |
| Renesas Electronics America UPD78F0413GA-GAM-AX | Renesas Technology Corp UPD78F0413GA-GAM-AX | Renesas UPD78F0413GA-GAM-AX                         |

Related Products

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>UPD78F0411GA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 16KB FLASH 48LQFP<br/>In stock: 4849 pcs</div> <div>RFQ</div> | <div></div> <div><b>UPD78F0403GA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 32KB FLASH 48LQFP<br/>In stock: 4313 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>UPD78F0420GB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 8KB FLASH 52LQFP<br/>In stock: 5587 pcs</div> <div>RFQ</div>  | <div></div> <div><b>UPD78F0421GB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 16KB FLASH 52LQFP<br/>In stock: 2992 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>UPD78F0423GB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 32KB FLASH 48LQFP<br/>In stock: 4379 pcs</div> <div>RFQ</div> | <div></div> <div><b>UPD78F0401GA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 16KB FLASH 48LQFP<br/>In stock: 7026 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>UPD78F0422GB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 24KB FLASH 52LQFP<br/>In stock: 5011 pcs</div> <div>RFQ</div> | <div></div> <div><b>UPD78F0402GA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 24KB FLASH 48LQFP<br/>In stock: 4344 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>UPD78F0410GA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 8KB FLASH 48LQFP<br/>In stock: 5285 pcs</div> <div>RFQ</div>  | <div></div> <div><b>UPD78F0431GB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 16KB FLASH 52LQFP<br/>In stock: 3704 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>UPD78F0430GB-GAG-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 8KB FLASH 52LQFP<br/>In stock: 3024 pcs</div> <div>RFQ</div>  | <div></div> <div><b>UPD78F0412GA-GAM-AX</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 8BIT 24KB FLASH 48LQFP<br/>In stock: 6366 pcs</div> <div>RFQ</div> |