


Renesas Electronics America



UPD78F1023GA-HAA-AX

Part Number:	UPD78F1023GA-HAA-AX
Manufacturer/Brand:	Renesas Electronics America
Product description	IC MCU 16BIT 96KB FLASH 48TQFP
Datasheets:	
RoHS Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

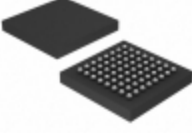
Specifications of UPD78F1023GA-HAA-AX

PART NUMBER	UPD78F1023GA-HAA-AX
MANUFACTURER	Renesas Electronics America
DESCRIPTION	IC MCU 16BIT 96KB FLASH 48TQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 3.6 V
SPEED	20MHz
SERIES	78K0R/Kx3-L (USB)
RAM SIZE	8K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	96KB (96K 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	30
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	78K/0R 78K0R/Kx3-L (USB) Microcontroller IC 16-Bit 20MHz 96KB (96K x 8) FLASH
DATA CONVERTERS	A/D 8x10b
CORE SIZE	16-Bit
CORE PROCESSOR	78K/0R
CONNECTIVITY	CSI, I²C, LINbus, UART/USART, USB
BASE PART NUMBER	UPD78F1023

Related Tags

Renesas Electronics America UPD78F1023GA-HAA-AX	UPD78F1023GA-HAA-AX Distributor	UPD78F1023GA-HAA-AX Supplier
UPD78F1023GA-HAA-AX Price	UPD78F1023GA-HAA-AX Pictures	UPD78F1023GA-HAA-AX Image
UPD78F1023GA-HAA-AX PDF Datasheet	UPD78F1023GA-HAA-AX Download Datasheet	UPD78F1023GA-HAA-AX Datasheet
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Renesas Electronics America UPD78F1023GA-HAA-AX	Renesas Electronics America Supplier	Renesas Electronics America Distributor
Renesas Electronics America UPD78F1023GA-HAA-AX	Renesas Technology Corp UPD78F1023GA-HAA-AX	Renesas UPD78F1023GA-HAA-AX

Related Products

 UPD78F1022K8-5B4-AX Manufacturers: Renesas Electronics America Description: IC MCU 16BIT 64KB FLASH 48QFN In stock: Out stock RFQ	 UPD78F1023K8-5B4-AX Manufacturers: Renesas Electronics America Description: IC MCU 16BIT 96KB FLASH 48QFN In stock: Out stock RFQ
 UPD78F1016F1(R)-BA4-A Manufacturers: Renesas Electronics America Description: IC MCU 16BIT 64KB FLASH 64BGA In stock: Out stock RFQ	 UPD78F1014GF-GAS-AX Manufacturers: Renesas Electronics America Description: IC MCU 16BIT 128KB FLASH 100LQFP In stock: Out stock RFQ
 UPD78F1024GA-HAA-AX Manufacturers: Renesas Electronics America Description: IC MCU 16BIT 128KB FLASH 48TQFP In stock: Out stock RFQ	 UPD78F1024K8-5B4-AX Manufacturers: Renesas Electronics America Description: IC MCU 16BIT 128KB FLASH 48QFN In stock: Out stock RFQ
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 UPD78F1017F1(R)-BA4-A Manufacturers: Renesas Electronics America Description: IC MCU 16BIT 96KB FLASH 64BGA In stock: Out stock RFQ	 UPD78F1025F1-AN9-A Manufacturers: Renesas Electronics America Description: IC MCU 16BIT 96KB FLASH 64BGA In stock: Out stock RFQ