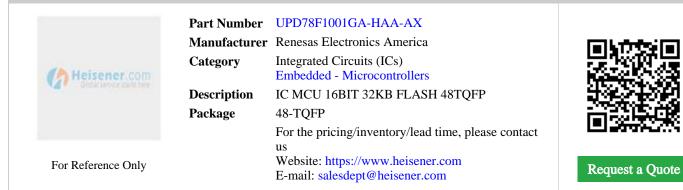


### **UPD78F1001GA-HAA-AX Information**



#### **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



# UPD78F1001GA-HAA-AX Specifications

Manufacturer Part Number	UPD78F1001GA-HAA-AX	
Manufacturer	Renesas Electronics America	
Category	Integrated Circuits (ICs)	
	Embedded - Microcontrollers	
Package	48-TQFP	
Series	78K0R/Kx3-L	
Core Processor	78K/0R	
Core Size	16-Bit	
Speed	20MHz	
Connectivity	3-Wire SIO, I2C, LIN, UART/USART	
Peripherals	DMA, LVD, POR, PWM, WDT	
Number of I/O	36	
Program Memory Size	32KB (32K x 8)	
Program Memory Type	FLASH	
EEPROM Size	-	
RAM Size	1.5K x 8	
Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V	
Data Converters	A/D 10x10b	
Oscillator Type	Internal	
Operating Temperature	-40°C ~ 85°C (TA)	
Mounting Type	-	
Package / Case	48-TQFP	
Supplier Device Package	-	
	Report e	rrors?

### UPD78F1001GA-HAA-AX Guarantees



**Quality Guarantees** 

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE BUARANTEE

#### Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## UPD78F1001GA-HAA-AX Payment Methods



If you have any question about UPD78F1001GA-HAA-AX, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com