

**UPD78F0512AGB-GAF-AX Information**


For Reference Only

**Part Number** [UPD78F0512AGB-GAF-AX](#)  
**Manufacturer** Renesas Electronics America  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 8BIT 24KB FLASH 44LQFP  
**Package** 44-LQFP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**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.


**UPD78F0512AGB-GAF-AX Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">UPD78F0512AGB-GAF-AX</a>                                     |
| Manufacturer               | Renesas Electronics America  |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 44-LQFP  |
| Series                     | 78K0/Kx2   |
| Core Processor             | 78K/0  |
| Core Size                  | 8-Bit  |
| Speed                      | 20MHz  |
| Connectivity               | 3-Wire SIO, I2C, LIN, UART/USART   |
| Peripherals                | LVD, POR, PWM, WDT   |
| Number of I/O              | 37   |
| Program Memory Size        | 24KB (24K x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 1K x 8   |
| Voltage - Supply (Vcc/Vdd) | 1.8 V ~ 5.5 V  |
| Data Converters            | A/D 8x10b  |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 44-LQFP  |
| Supplier Device Package    | -  |

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## UPD78F0512AGB-GAF-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 Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## UPD78F0512AGB-GAF-AX Payment Methods



## UPD78F0512AGB-GAF-AX Shipping Methods



If you have any question about UPD78F0512AGB-GAF-AX, please do not hesitate to contact us!

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E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)