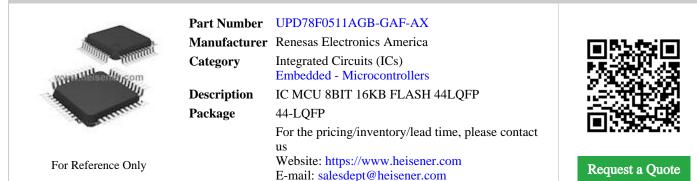


# UPD78F0511AGB-GAF-AX

### **UPD78F0511AGB-GAF-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.



## UPD78F0511AGB-GAF-AX Specifications

| Manufacturer Part Number   | UPD78F0511AGB-GAF-AX             |
|----------------------------|----------------------------------|
| Manufacturer               | Renesas Electronics America      |
| Category                   | Integrated Circuits (ICs)        |
|                            | Embedded - Microcontrollers      |
| 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        | 16KB (16K x 8)                   |
| Program Memory Type        | FLASH                            |
| EEPROM Size                |                                  |
| RAM Size                   | 768 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    |                                  |
|                            | Report errors?                   |

### UPD78F0511AGB-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.

#### UPD78F0511AGB-GAF-AX Payment Methods



If you have any question about UPD78F0511AGB-GAF-AX, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com