

UPD78F1178AGF-GAT-AX Information


For Reference Only

Part Number [UPD78F1178AGF-GAT-AX](#)
Manufacturer Renesas Electronics America
Category Integrated Circuits (ICs)
[Embedded - Microcontrollers](#)
Description IC MCU 16BIT 512KB FLASH 128LQFP
Package 128-LQFP
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: 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.


UPD78F1178AGF-GAT-AX Specifications

Manufacturer Part Number	UPD78F1178AGF-GAT-AX
Manufacturer	Renesas Electronics America
Category	Integrated Circuits (ICs) Embedded - Microcontrollers
Package	128-LQFP
Series	78K0R/Kx3
Core Processor	78K/0R
Core Size	16-Bit
Speed	20MHz
Connectivity	3-Wire SIO, EBI/EMI, I2C, LIN, UART/USART
Peripherals	DMA, LVD, POR, PWM, WDT
Number of I/O	111
Program Memory Size	512KB (512K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	30K x 8
Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V
Data Converters	A/D 16x10b; D/A 2x8b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)
Mounting Type	-
Package / Case	128-LQFP
Supplier Device Package	-

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UPD78F1178AGF-GAT-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.

UPD78F1178AGF-GAT-AX Payment Methods



UPD78F1178AGF-GAT-AX Shipping Methods



If you have any question about UPD78F1178AGF-GAT-AX, please do not hesitate to contact us!

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