

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	QFP32
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for R5F21276NFP or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

R5F21276NFP is a microcontroller unit (MCU) from the Renesas RL78/G12 series. Here are some of its features:

### Features

It has a 16-bit CISC CPU core with a maximum operating frequency of 32 MHz

It has 256 KB of flash memory, 16 KB of RAM, and a data flash memory of 4 KB.

It has a wide range of communication interfaces, including UART, I2C, SPI, CAN, and LIN.

It has a 12-bit ADC with up to 27 channels and a conversion time of 1.5  $\mu$ s/channel.

It has a variety of on-chip peripherals, such as timers, comparators, and a real-time clock.

It operates on a supply voltage range of 2.7V to 5.5V.

It comes in a small, low-pin-count package (64-pin LQFP).

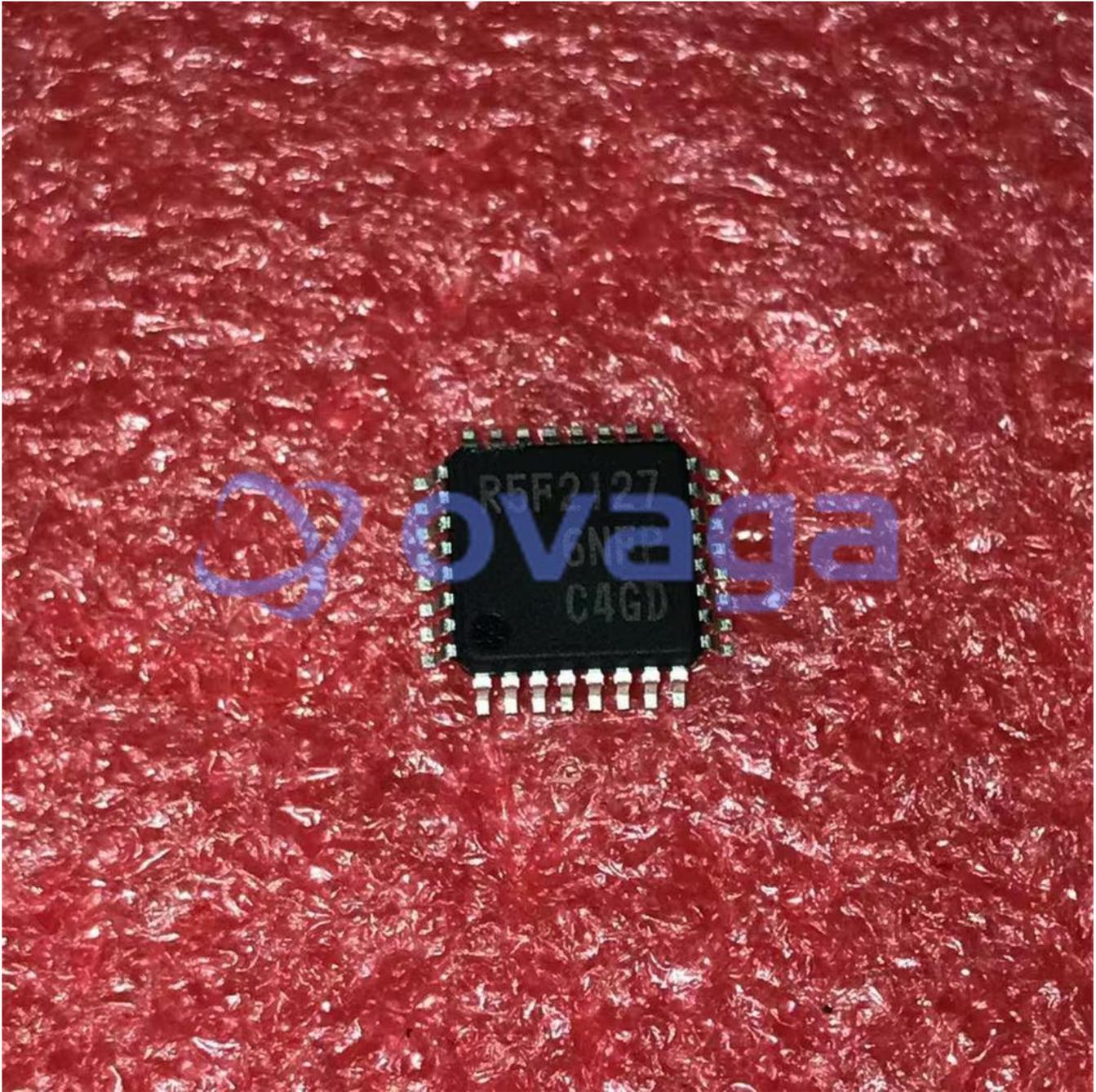
### Application

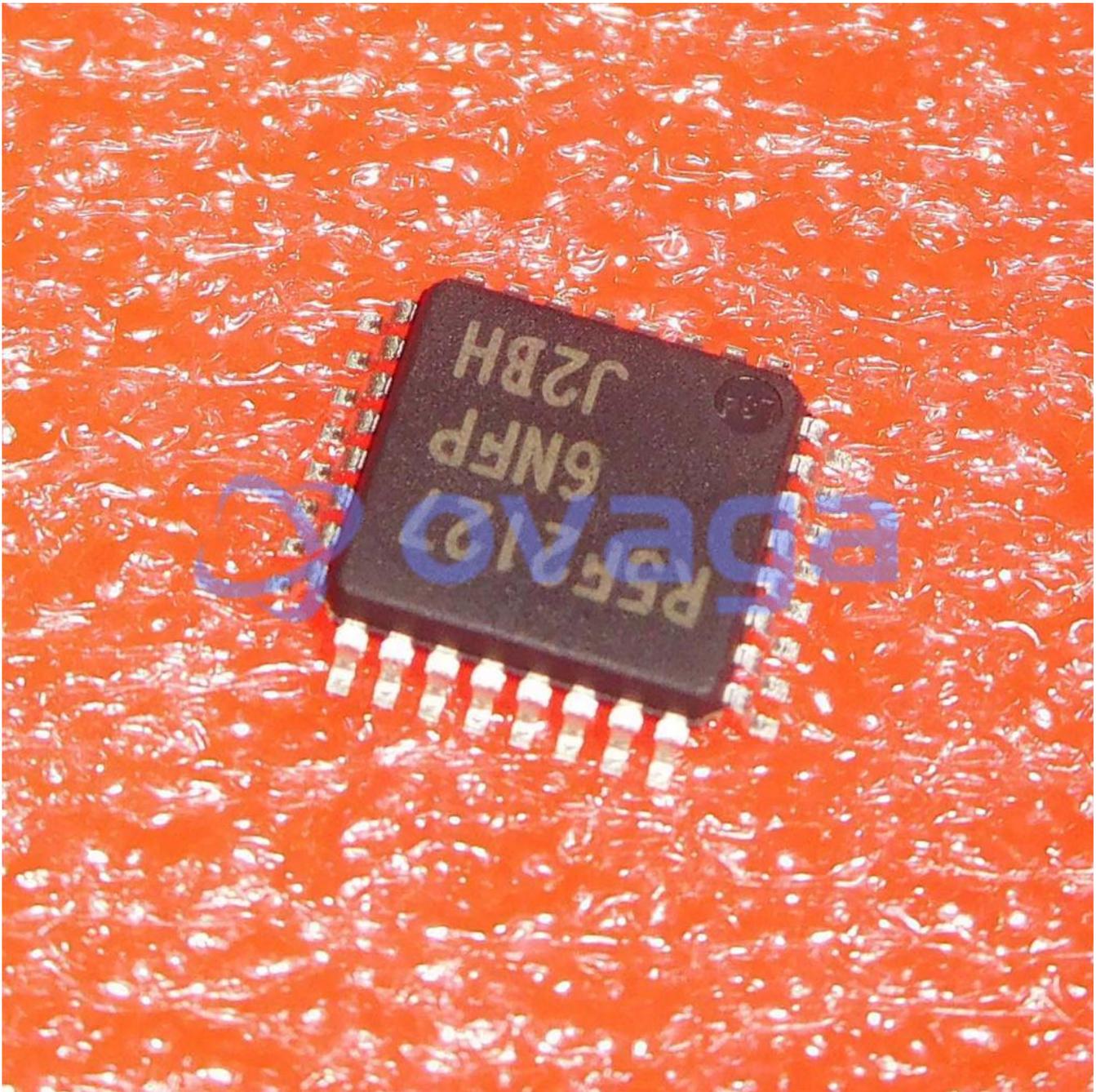
Automotive systems: body control modules, engine control units, and instrument clusters

Industrial control systems: factory automation, motor control, and robotics

Consumer electronics: home appliances, audio equipment, and gaming devices

Healthcare equipment: medical monitoring devices and portable health monitors





## Related Products



### [R5F61653N50FTV](#)

Renesas Technology Corp  
TQFP120



### [R5F61664N50FPV](#)

Renesas Technology Corp  
LQFP-144



### [R5F3640MDFAR](#)

Renesas Technology Corp  
QFP-100



### [R5F71494FPV](#)

Renesas Technology Corp  
QFP-100



[R5S61651CN50FPV](#)

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QFP-120



[ISL99380FRZ-TR5935](#)

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[R5F524T8ADEM](#)

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[R5F3650TNEA](#)

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