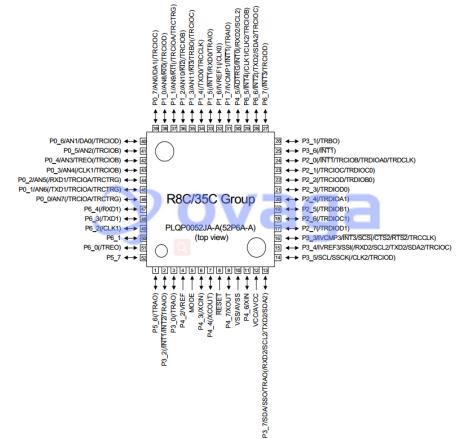


RENESAS MCU

Manufacturers	Renesas Technology Corp
Package/Case	TQFP-52
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for R5F21357CNFP or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

R5F21357CNFP is a microcontroller unit (MCU) from the Renesas RL78/G13 family. It is a 16-bit MCU that features a 32 MHz CPU core, 128 KB flash memory, 8 KB RAM, and a wide range of peripheral functions.

Features

32 MHz RL78 CPU core

128 KB flash memory and 8 KB RAM

12-bit A/D converter with up to 24 channels

10-bit D/A converter

16-bit timer and 8-bit timer

Real-time clock

Serial communication interface (SCI)

Inter-integrated circuit (I2C) interface

Universal asynchronous receiver/transmitter (UART)

Three-phase complementary pulse width modulation (PWM)

Brown-out detection circuit

Low voltage detection circuit

Application

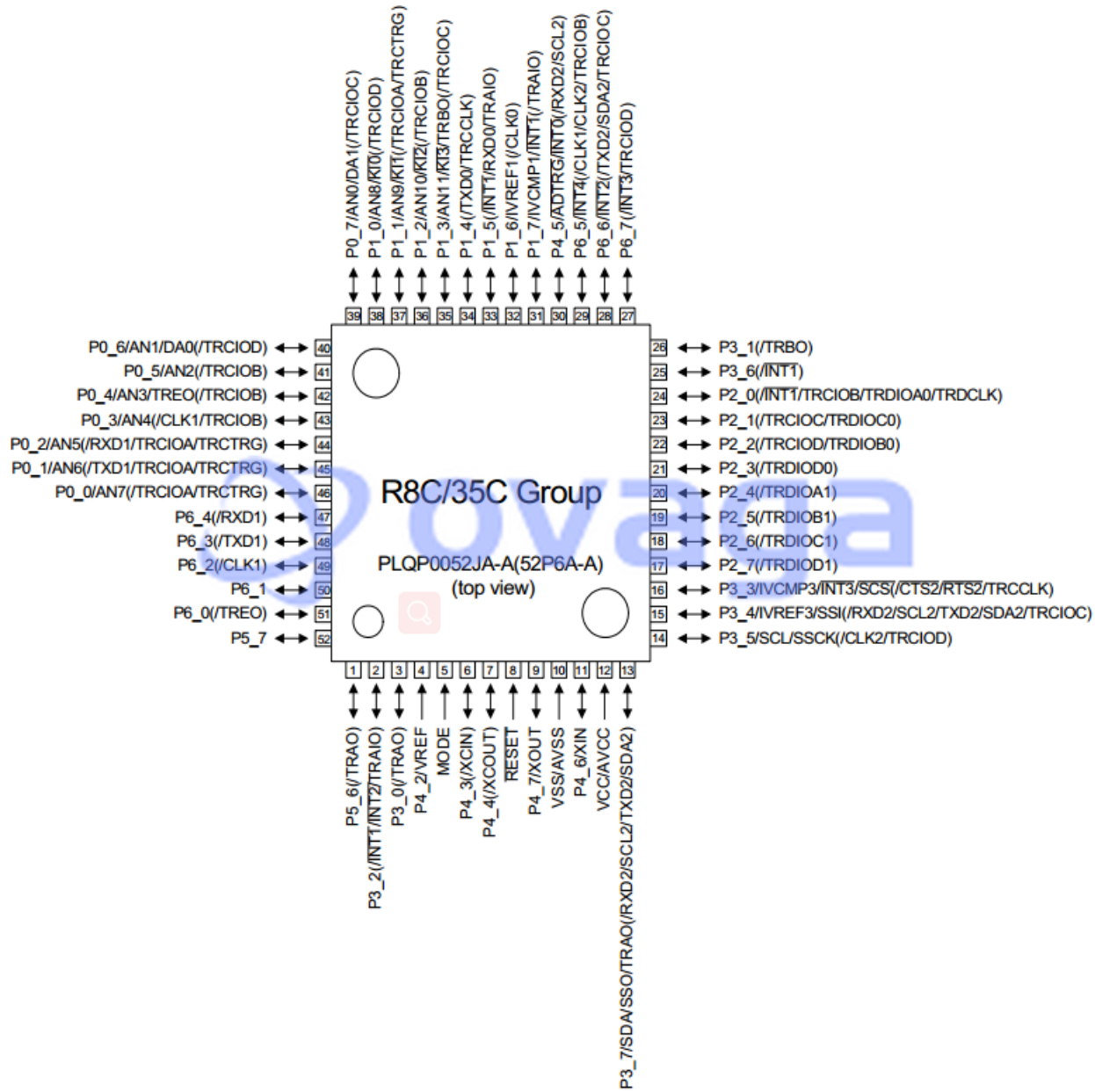
Motor control (e.g., for fans, pumps, and compressors)

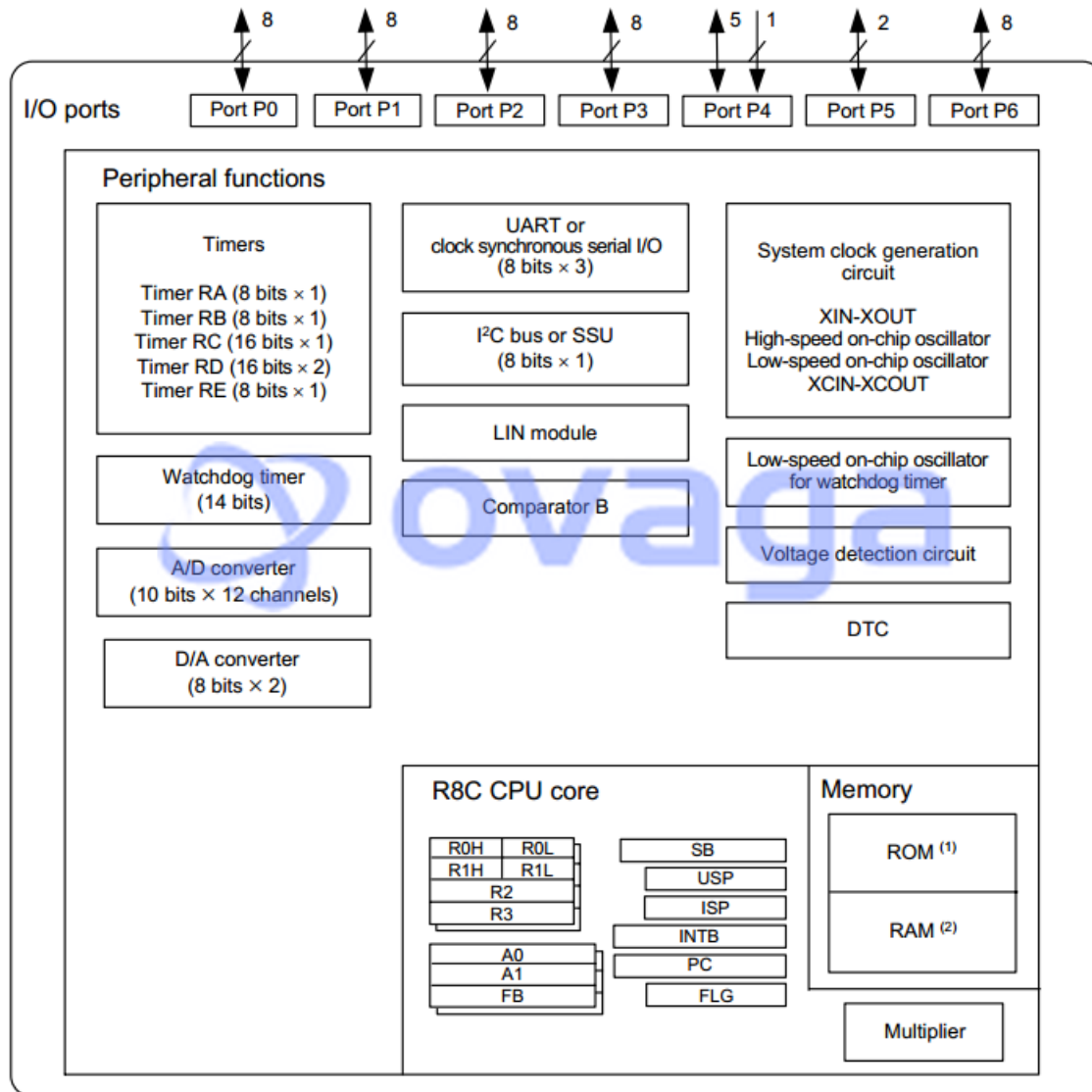
Power supply control (e.g., for inverters and AC/DC converters)

Lighting control (e.g., for LED drivers and dimmers)

Human-machine interfaces (e.g., for touch panels and LCD displays)

Security systems (e.g., for door locks and access control)





Related Products



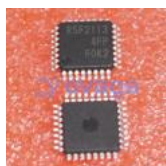
[R5F21246SNFP](#)

Renesas Technology Corp
QFP48



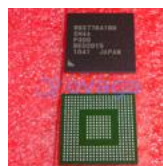
[R5F21368CNFP](#)

Renesas Technology Corp
64-LQFP



[R5F21134FP](#)

Renesas Technology Corp
QFP-32



[R5S77641P300BG](#)

Renesas Technology Corp
BGA



[R5S77641N300BG](#)

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BGA



[R5F562TAADFP#V1](#)

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RX62T32Bit100Mhz



[R5F56218BDFP#V0](#)

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100-LQFP



[R5F52306ADFM#30](#)

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64-LQFP