



APPLICATIONS

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H8/3614 Group

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H8/3614 Group

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WHAT'S NEW

Have you seen the new [H8/300H Tiny Series](#), these offer many of the same features as the H8/3614 series but take advantage of some of our newest process technologies to offer higher performance and aggressive pricing.

[Full Product Info](#)

Product Overview:

- 2.7 - 5.5V operation
- H8/300L 8/16-bit CPU core
- 32 kHz sub-system oscillator
- Wide range of low power operating modes
- 16 - 32kBytes ROM or 32kByte OTP
- 512Bytes - 1kByte SRAM
- 5 x 8-bit timer
- 2 x SIO
- 8 channels 8-bit A/D
- 6 External Interrupts
- 8 channels 10-bit A/D converter
- 54 I/O pins
- 64 pins SDIP or QFP packages

Key Applications:

The H8/3614F provides a solution to many low cost consumer applications.

Marketing Info

The H8/3614 is a member of the H8/300L series of low power 8/16-bit CPU's. This device is used in many different applications and by a wide range of customers. Currently Renesas has no plans to obsolete this device however for new designs we recommend the [H8/300H Tiny Series](#) as this offers many advantages over the H8/3614 series.

Product Lineup:

H8/3614 Group[Full Specification List](#)

Docu ments	Part No.	ROM	RAM	ROM Type	Operating Frequency/ Supply Voltage	Status	Remarks	Tool	PKG Code
PDF	HD6433612XXXH	16K	512	Mask ROM	2.1MHz/2.7 to 5.5V, 4.2MHz/4.0 to 5.5V	-	Buzzer output	-	PRQP0064GB-A (FP-64A)
PDF	HD6433612XXXP	16K	512	Mask ROM	2.1MHz/2.7 to 5.5V, 4.2MHz/4.0 to 5.5V	-	Buzzer output	-	PRDP0064BB-A (DP-64S)
PDF	HD6433613XXXH	24K	1K	Mask ROM	2.1MHz/2.7 to 5.5V, 4.2MHz/4.0 to 5.5V	-	Buzzer output	-	PRQP0064GB-A (FP-64A)
PDF	HD6433613XXXP	24K	1K	Mask ROM	2.1MHz/2.7 to 5.5V, 4.2MHz/4.0 to 5.5V	-	Buzzer output	-	PRDP0064BB-A (DP-64S)
PDF	HD6433614XXXH	32K	1K	Mask ROM	2.1MHz/2.7 to 5.5V, 4.2MHz/4.0 to 5.5V	-	Buzzer output	-	PRQP0064GB-A (FP-64A)
PDF	HD6433614XXXP	32K	1K	Mask ROM	2.1MHz/2.7 to 5.5V, 4.2MHz/4.0 to 5.5V	-	Buzzer output	-	PRDP0064BB-A (DP-64S)
PDF	HD6473614H	32K	1K	One Time PROM	2.1MHz/2.7 to 5.5V, 4.2MHz/4.0 to 5.5V	-	Buzzer output	-	PRQP0064GB-A (FP-64A)
PDF	HD6473614P	32K	1K	One Time PROM	2.1MHz/2.7 to 5.5V, 4.2MHz/4.0 to 5.5V	-	Buzzer output	-	PRDP0064BB-A (DP-64S)

Notes: *1:Selectable 8-bit timer x 2 channels, *2:Selectable 8-bit timer x 2 channels for either channel, *3:Guaranteed 2.7V operation for A/D converter and 32 kHz external clock operation