



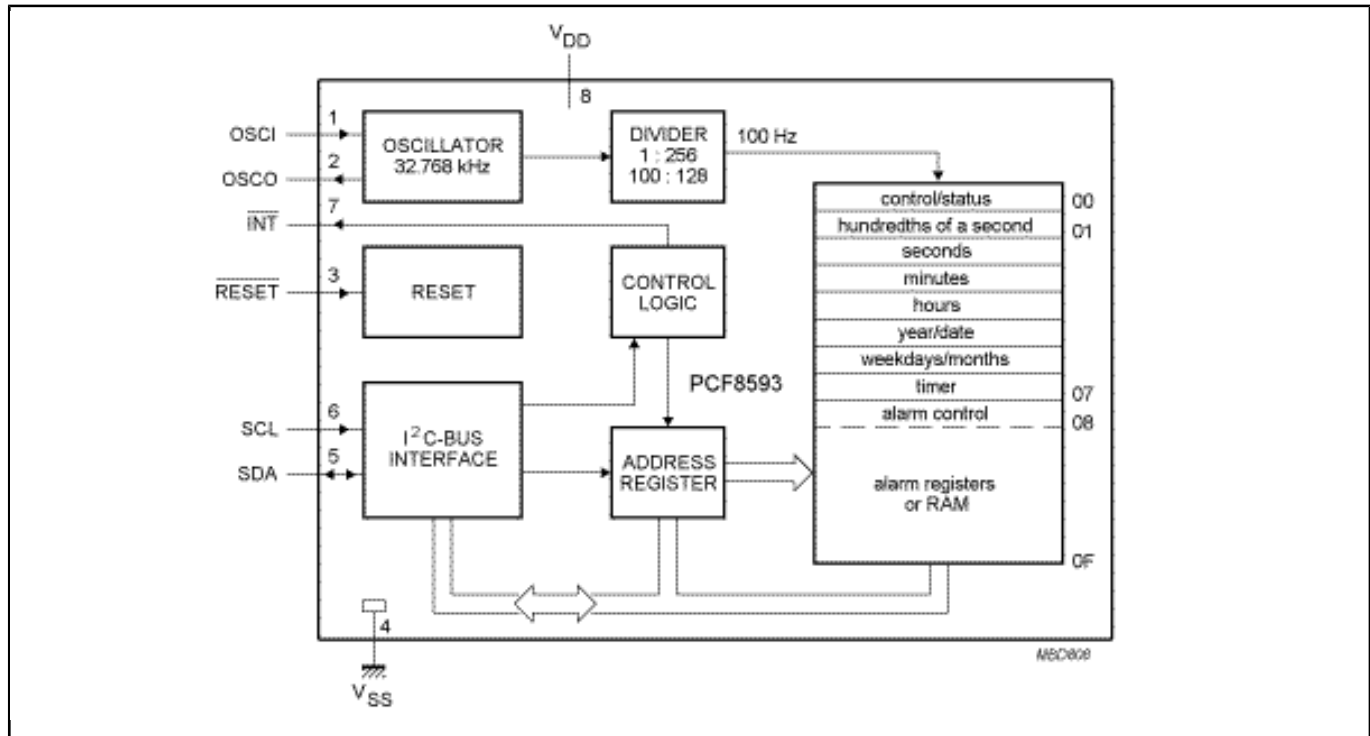
Real-Time Clock and Calendar with 8 B RAM

PCF8593

Last Updated: Oct 13, 2023

The PCF8593 is a CMOS¹ clock and calendar circuit, optimized for low power consumption. Addresses and data are transferred serially via the two-line bidirectional I²C-bus. The built-in word address register is incremented automatically after each written or read data byte. The built-in 32.768 kHz oscillator circuit and the first 8 bytes of the RAM are used for the clock, calendar, and counter functions. The next 8 bytes can be programmed as alarm registers or used as free RAM space.

Block diagram: PCF8593P, PCF8593T Block Diagram



View additional information for [Real-Time Clock and Calendar with 8 B RAM](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.