



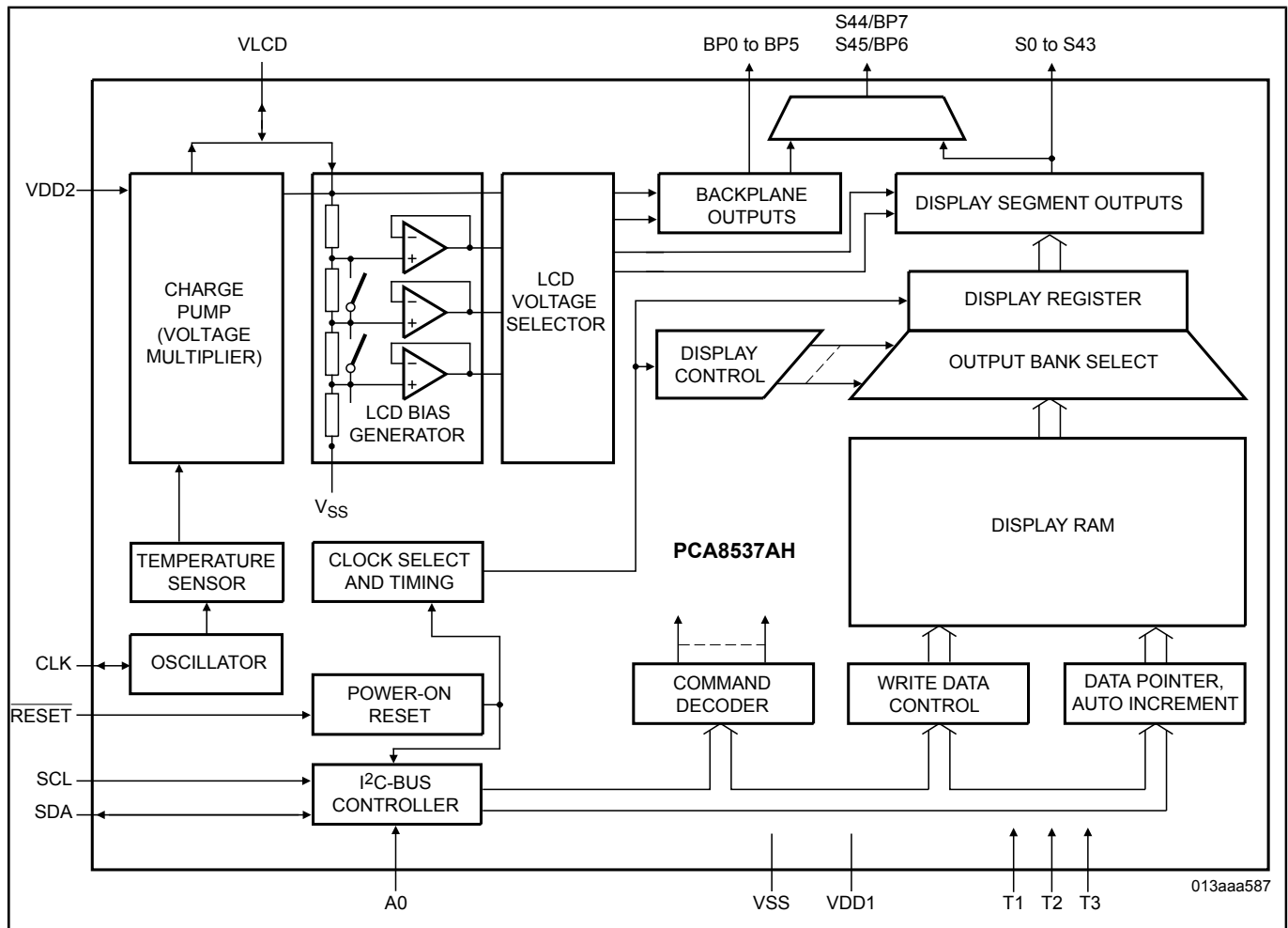
# Automotive LCD Driver for Multiplex Rates Up to 1-8

## PCA8537

Last Updated: Feb 19, 2025

The PCA8537 is a fully featured Liquid Crystal Display (LCD) driver, specifically designed for high-contrast Vertical Alignment (VA) LCD with multiplex rates up to 1:8. It generates the drive signals for any static or multiplexed LCD containing up to eight backplanes, 46 segments, and up to 352 elements. The PCA8537 features an internal charge pump with internal capacitors for on-chip generation of the LCD driving voltage. To ensure an optimal and stable contrast over the full temperature range, the PCA8537 offers a programmable temperature compensation of the LCD supply voltage. The PCA8537 can be easily connected to a microcontroller by either the two-line I<sup>2</sup>C-bus (PCA8537AH) or a three-line bidirectional SPI-bus (PCA8537BH).

## PCA8537 Block Diagram



View additional information for [Automotive LCD Driver for Multiplex Rates Up to 1-8](#).

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

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