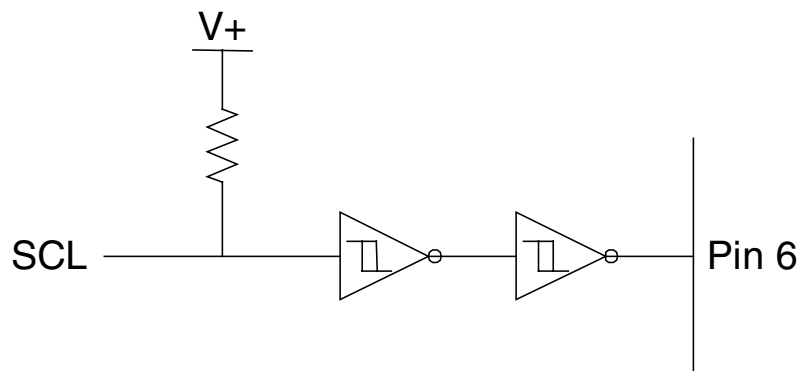

Errata: CS43L41 Rev. CCS43L41 Low Power 24-Bit, 96 kHz DAC with Volume Control

All references to the CS43L41 mentioned below shall be taken to refer to revision C of the CS43L41 product. The hardware revision code can be found in the 10 character field printed below the part number on each chip. The letter which appears as the fifth character from the right is the revision code (e.g. ZNACSC9926 is a Revision C part).

Pin 6 (SCL/CCLK) of the CS43L41 does not have sufficient hysteresis to meet the data sheet rise time specifications. The I²C rise time t_r and the SPI rise time t_{r2} must be less than 30 ns for proper operation. This prevents the use of standard I²C configurations with a resistor pull-up. This problem can be worked around by placing a Schmitt Trigger buffer, for example a 74HC14, on the SCL line just prior to the CS43L41. This will not affect the operation of the I²C bus as pin 6 is an input only.

Figure 1. I²C SCL Buffer Example

If there are any questions concerning this information,
please contact Applications Engineering at 512-445-7222.
