

8 Detailed Description

8.1 Overview

The TPIC6C596 device is a monolithic, medium-voltage, low-current 8-bit shift register designed to drive relatively moderate load power such as LEDs. The device contains a built-in voltage clamp on the outputs for inductive transient protection, so it can also drive relays, solenoids, and other low-current or medium-voltage loads.

8.2 Functional Block Diagram

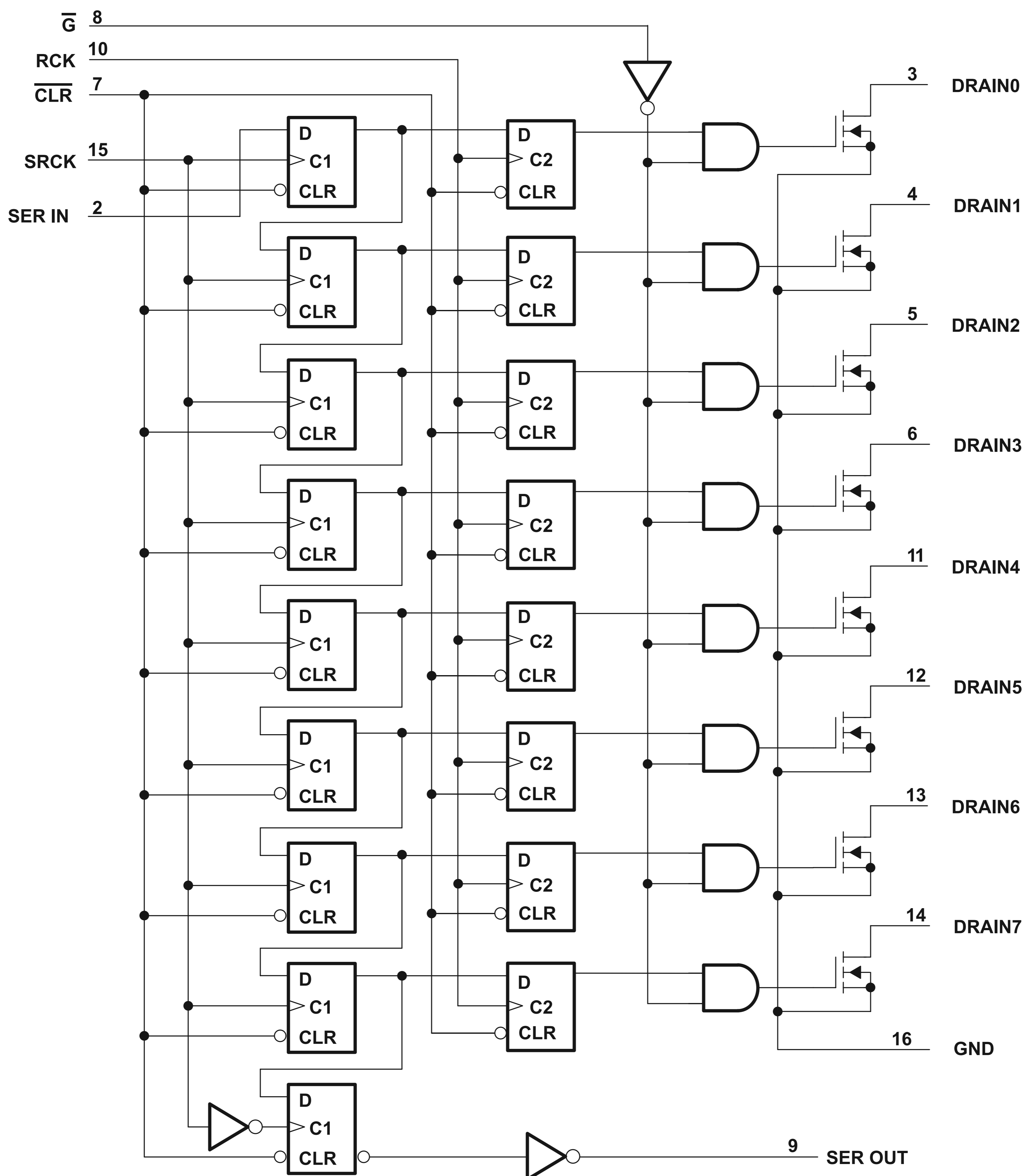


Figure 12. Logic Diagram (Positive Logic)