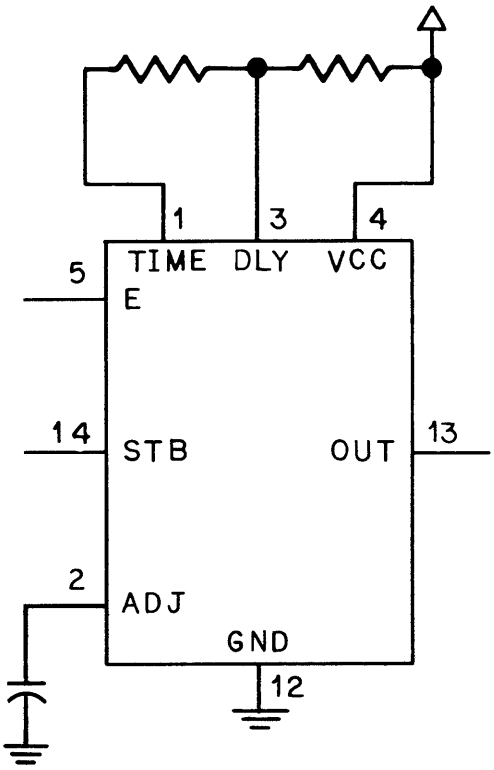
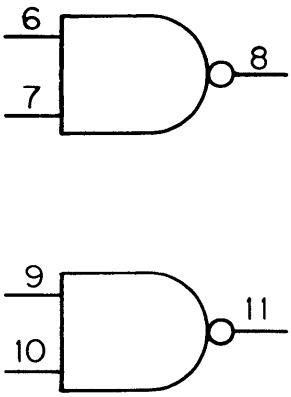
DTL Pulse Generator | Part No. 14027 | Type SW-10667

This is a custom IC used in Micro Switch keyboards to produce the keyboard Strobe pulses. It includes a repeat circuit with an initial delay and two independent DTL NAND gates. It requires two external resistors and one capacitor: the resistor connected between pins 1 and 3 determines the length of time between repeat pulses; the resistor between pins 3 and 4 adjusts the initial delay (the initial delay is a function of both resistors); the capacitor determines the length of the entire repeat cycle ("on" time plus "off" time) and also affects the initial delay. The repeat pulses are produced (after the initial delay) when the Enable input is driven high; with Enable Low, the Strobe input pulses pass through unchanged.

Note the non-standard VCC and GND connections.

Logic Symbol





Loading:

Inputs	1 Unit Load
Outputs	
Gate 1 (pin 8)	3.75 Unit Loads
Other	2.5 Unit Loads