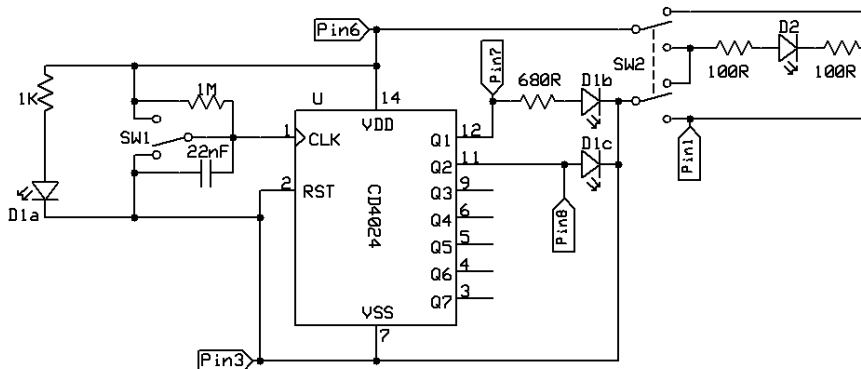


Here's a schematic I drew up of the circuit.

Pin numbers/colors correspond to the RJ45 connector to the main pedal.  
 (Pin 1 - orange/white - preset switching)  
 (Pin 3 - green/white - ground)  
 (Pin 6 - green - 3.3V)  
 (Pin 7 - brown/white - effects switching 1)  
 (Pin 8 - brown - effects switching 2)

Footswitches: Sw1 is a momentary SPDT, Sw2 is a regular DPDT



1K and 680R resistors helps adjust the brightness of the tri-color LEDs. Adjust to taste. The 100R resistors prevent pulling pin 1 below 3.3V

D1a,b & c is a tri-color led with common cathode. D1a is always on, the other two are switched in to blend with D1a, thus giving the option of 4 different colors. D2 is a two-pin dual color LED. The color is dependant on which way the current flows through it.

**NOTE:**  
 While I was messing around with building this switch, I several times asked Brian Neunaber questions about the circuit. He was very helpful and has given better customer support, than I could possibly ask for. I highly recommend his products!