



The voltage dividers formed by R21, R25; R21, R26, and R24 & R27 all produce the same output voltage. If desired, all can be replaced with one voltage divider with the same values. For convenience in testing during PCB layout:

[illegible]

The circuit diagram shows a 5V input connected to a 10k resistor (R22) and a 0.1uF capacitor (C25) to ground. The other end of R22 is connected to the VCC pin (pin 6) of the LM2722M IC. The LM2722M IC is also connected to ground at pins 1 (GND) and 7 (LG). The IC's output (pin 3, CB) is connected to a 100uF capacitor (C21) and a 10uF capacitor (C24) to ground. The output of the IC is also connected to a switch (labeled 'switch, hsb, 2') which controls two LEDs (Q21 and Q24) through current-limiting resistors R23 and R24. The LEDs are labeled 'LED switch'.

The voltage dividers formed by R22, R25, R23, R26, and R24 & R27 all produce the same output voltage. If desired, all three can be replaced with one voltage divider with two resistors (e.g. 10k and 100k).

The voltage dividers formed by R22, R23, R26, and R24 & R27 all produce the same output voltage. If desired, all three can be replaced with one voltage divider with the same value. For convenience, the first divider (R22 & R23) is used.

The voltage dividers formed by R22, R25, R21, R26, and R24 & R27 all produce the same output voltage. If desired, all three can be replaced with one voltage

[illegible]

The fourth op-amp in each of the TS924AID op-amp ICs are unused (since only 9 LEDs need to be lit and each TS924AID IC provides 4 op-amps). The unused op-amps are wired to reduce power consumption, noise, and to remove the danger of a floating input.

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