



NOTES:

If regulators are not needed/used, do not install the associated components such as C4, R33, R34, R35, and D8 for the LM317, and C7, R36, R37, R38, and D11 for the LM337. Solder a jumper between the IN and OUT pins respectively in place of the unused regulator, pins 2 and 3 in each case. The LEDs and respective current limiting resistor only need to be installed if the circuit load is insufficient for the respective regulator. See the LM317 and LM337 data sheet for minimum load specifications. Q2 and Q4 can be monolithic pairs like a SSM2210 or discrete matched or unmatched NPNs.

Calibration:

1. Set Rate control to "5" (mid point)
2. Set Duration control to "5" (mid point)
3. Adjust Width trimmer for duration of 5 ms
4. Adjust Rate trimmer for 85 ms rate

SP_UC_Trigger_1.2

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