



Note: Any U1 or U2 alternatives must use the TL432 pinout.

If using a USB-C Trigger Board with the 1MHz or 10Mz versions of the Probe:

- \* Set the trigger board to produce 20V
- \* Depopulate R2, R3, R4, U2, Q2, R6
- \* Change R1 to 10k
- \* Change R5 to zero (a short)
- \* Change R7 to 18k
- \* Change R8 to 3.6k

#### Alternatives for U1/U2

Part #	Min Cathode Current	Vin Range
TL432	1mA	Don't Use
SPX2431	160uA	9V - 12V
AP431SBNTR-G1	100uA	7.5V - 12V
TLA432AIDBZR	200uA	9V - 12V
ATL432LIBQDBZR	80uA	7.5V - 12V
ZR431f01TA	50uA	7.5V - 12V
ZHT431F01TA	50uA	7.5V - 12V

#### Suggested Values for Input Voltages

Input Voltage	R1, R4
7.5V	5.1k
9V	5.1k
12V	10k
20V (15V out)	10k, OPEN

- J5 Support Pin
- J6 Support Pin

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