

NOTES:

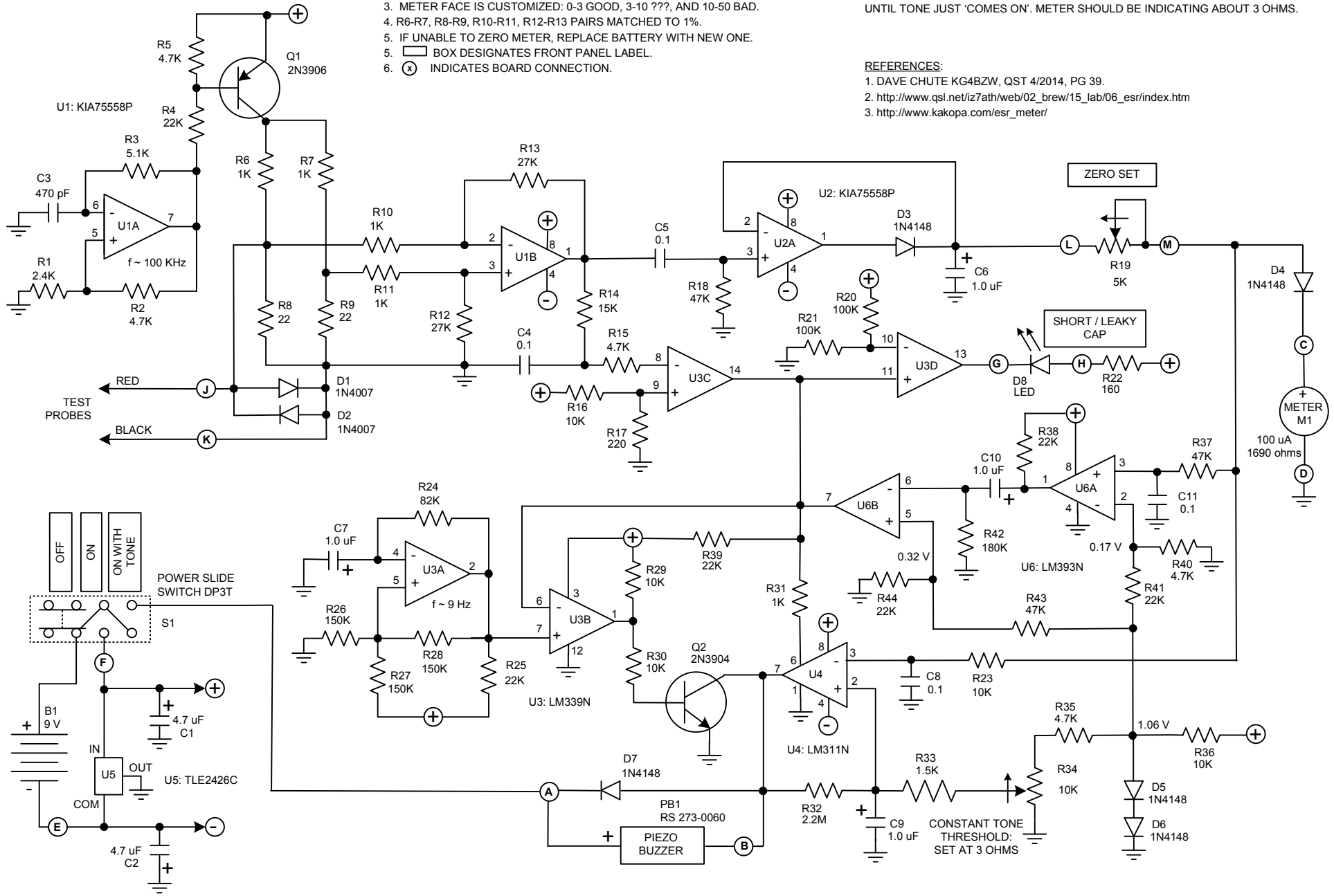
1. ALL RESISTORS 1/4 WATT 5%.
2. CAPS WITH POLARITY ARE TANTALUM; ALL OTHERS CERAMIC.
3. METER FACE IS CUSTOMIZED: 0-3 GOOD, 3-10 ???, AND 10-50 BAD.
4. R6-R7, R8-R9, R10-R11, R12-R13 PAIRS MATCHED TO 1%.
5. IF UNABLE TO ZERO METER, REPLACE BATTERY WITH NEW ONE.
6. BOX DESIGNATES FRONT PANEL LABEL.
7. X INDICATES BOARD CONNECTION.

CONSTANT TONE THRESHOLD ADJUSTMENT PROCEDURE:

1. PUT ABOUT 50 MFD GOOD CAP ACROSS PROBES AND SET ZERO TO FULL SCALE.
2. PUT A 3 OHM RESISTOR IN SERIES WITH THIS SAME CAP AND SET R34 TRIMPOT UNTIL TONE JUST 'COMES ON'. METER SHOULD BE INDICATING ABOUT 3 OHMS.

REFERENCES:

1. DAVE CHUTE KG4BZW, QST 4/2014, PG 39.
2. http://www.qsl.net/iz7ath/web/02_brew/15_lab/06_esr/index.htm
3. http://www.kakopa.com/esr_meter/



CAPACITOR ESR METER WITH TONE

REV A

PETE WOKOUN SR KH6GRT, 5/2014