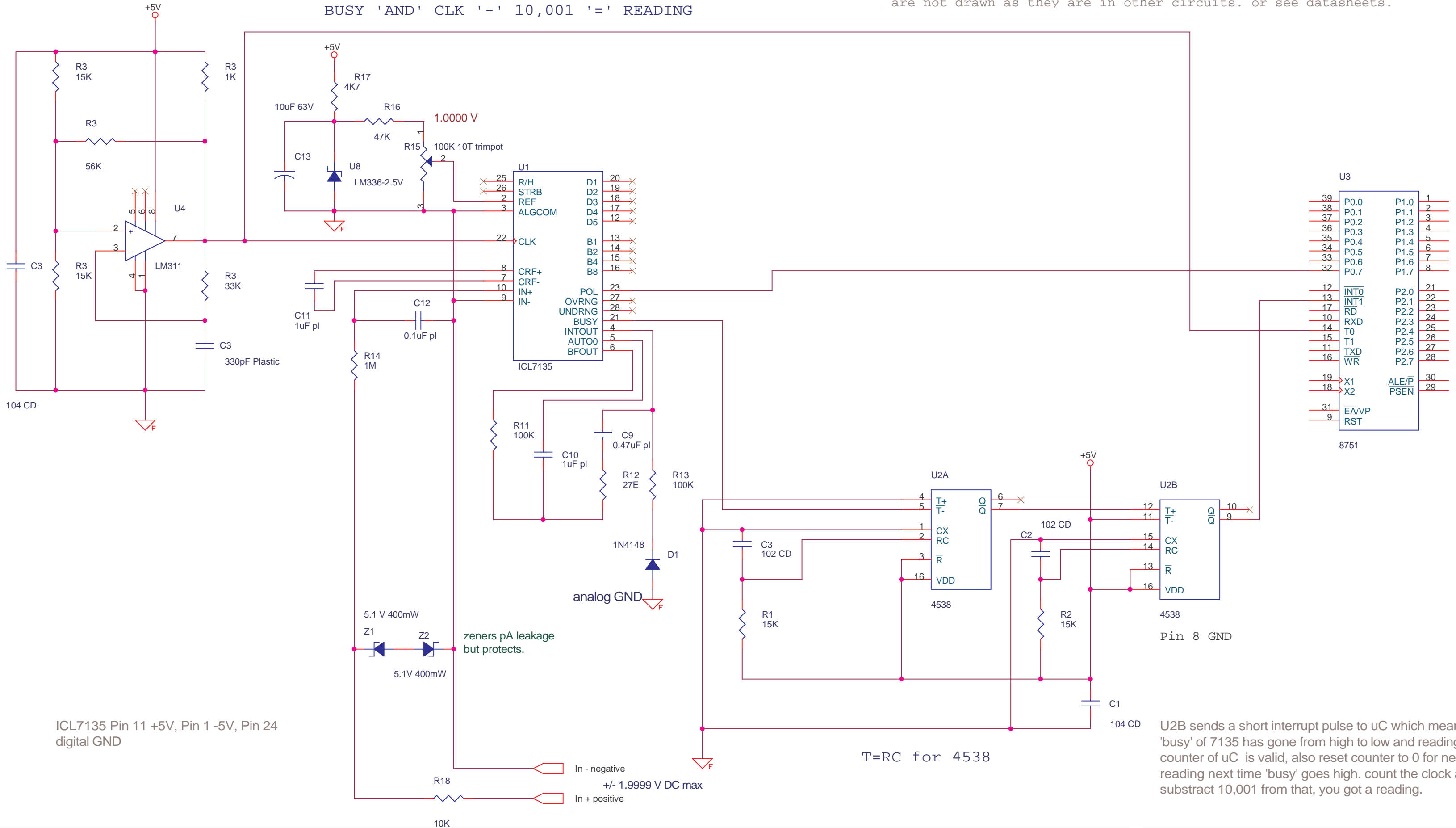


ICL7135 Intersil, 8751-8031-8951, the circuit for uC chips are not drawn as they are in other circuits. or see datasheets.

BUSY 'AND' CLK '-' 10,001 '=' READING



ICL7135 Pin 11 +5V, Pin 1 -5V, Pin 24 digital GND

In - negative  
+/- 1.9999 V DC max  
In + positive

T=RC for 4538

U2B sends a short interrupt pulse to uC which means 'busy' of 7135 has gone from high to low and reading in counter of uC is valid, also reset counter to 0 for new reading next time 'busy' goes high. count the clock and subtract 10,001 from that, you got a reading.

Use Only Low Leakage Multilayer Plastic Capacitors for A-D convertors of Intersil like 7107, 7109, 7106, 7135. use MFR 1% for all Resistors, 33E means 33 ohms, 22K means 22 kilo ohms and 4K7 is 4.7 K. '474 CD' means 47 with 4 zeros pF, 470000 pF, remove 3 zeros 470 nF, shift decimal 3 places again 0.47uF.

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