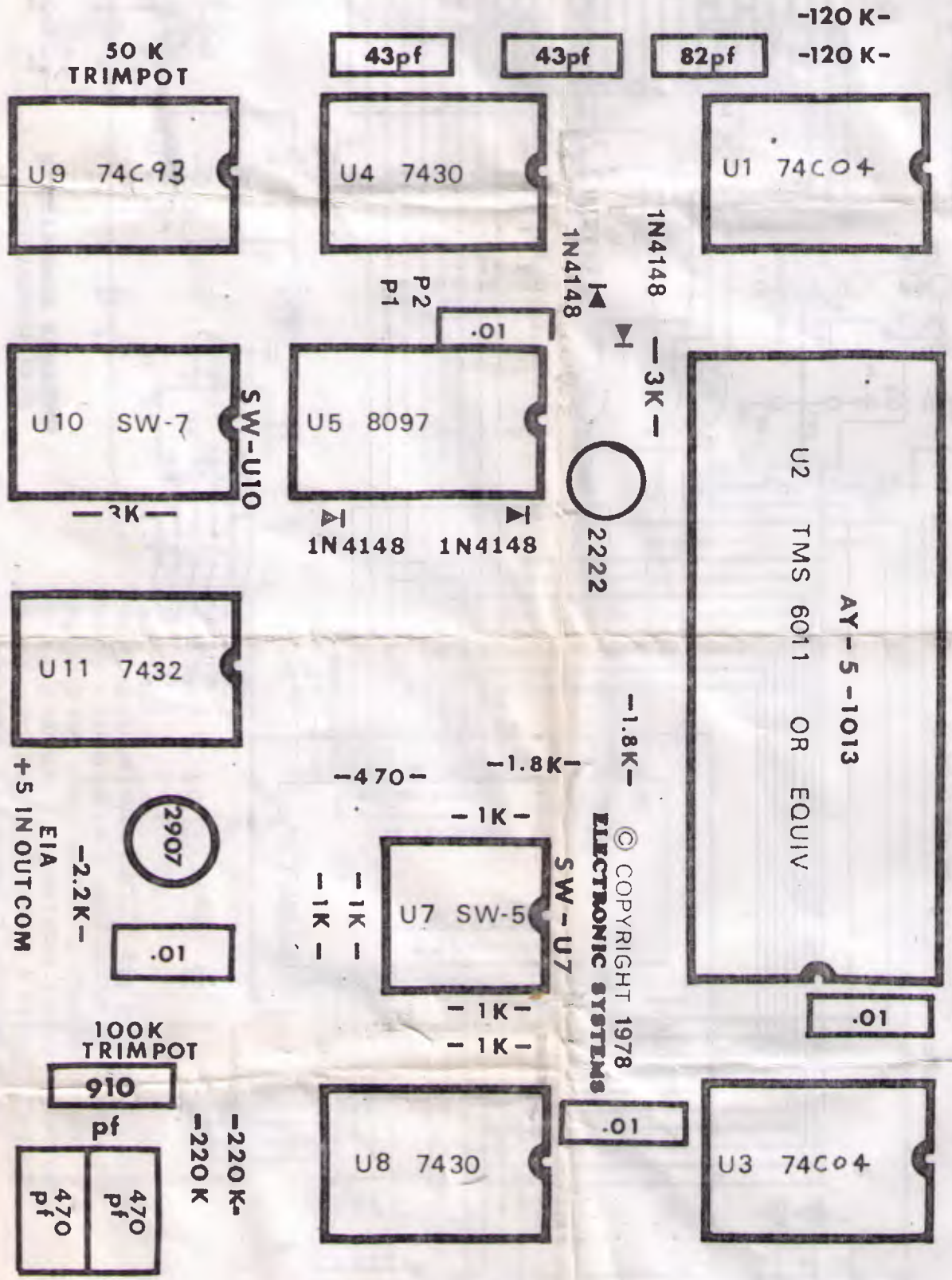Please note, U1 and U3 must be CMOS (74C04).