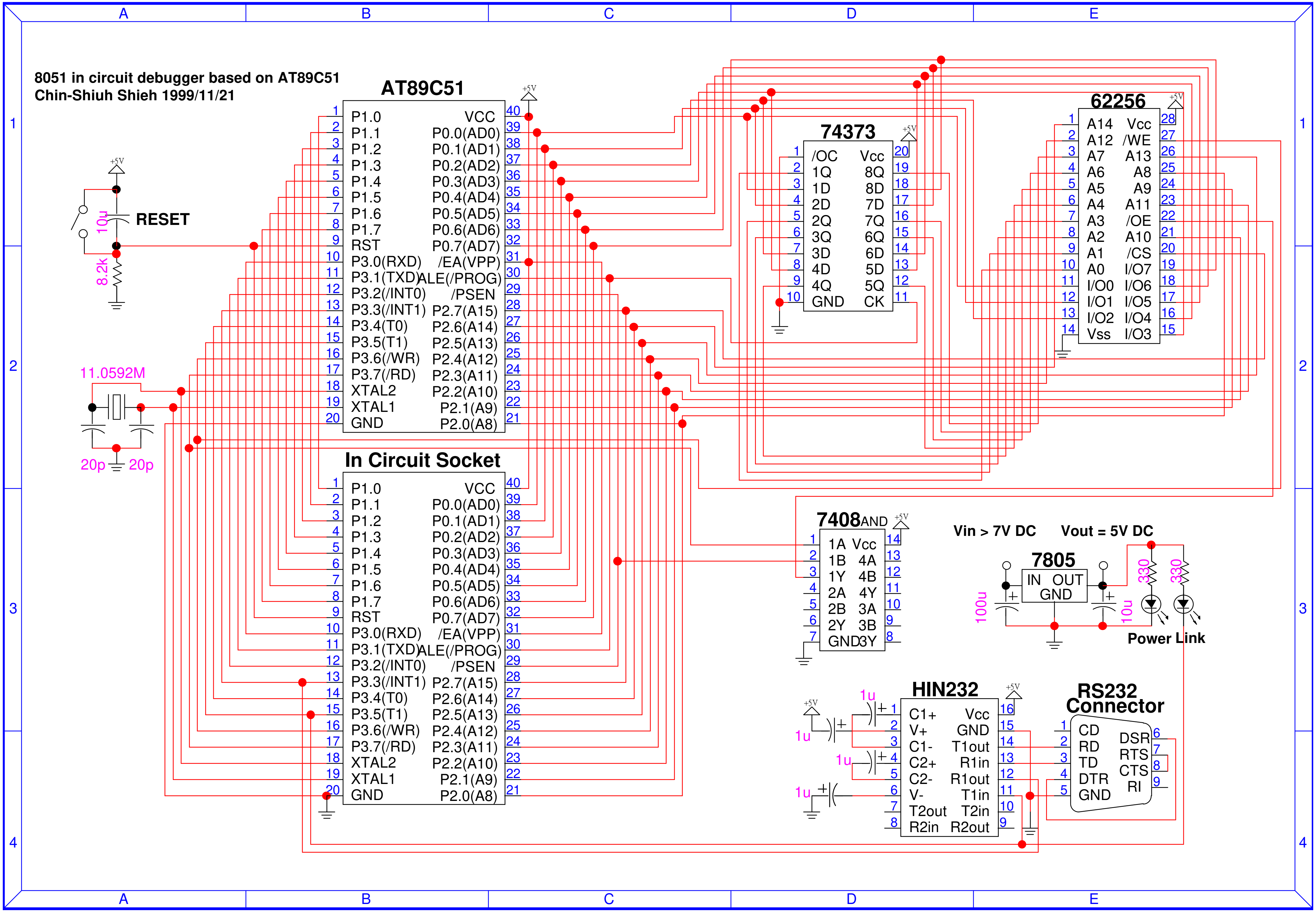

8051 in circuit debugger based on AT89C51
Chin-Shiuh Shieh 1999/11/21
AT89C51
P1.0 P1.1 P1.2 P1.3 P1.4 P1.5 P1.6 P1.7 RST P3.0(RXD) P3.1(TXD) P3.2(/INT0) P3.3(/INT1) P3.4(T0) P3.5(T1) P3.6(/WR) P3.7(/RD) XTAL2 XTAL1 GND
VCC P0.0(AD0) P0.1(AD1) P0.2(AD2) P0.3(AD3) P0.4(AD4) P0.5(AD5) P0.6(AD6) P0.7(AD7) /EA(VPP) ALE(/PROG) /PSEN P2.7(A15) P2.6(A14) P2.5(A13) P2.4(A12) P2.3(A11) P2.2(A10) P2.1(A9) P2.0(A8)
In Circuit Socket
RESET
10u
8.2k
11.0592M
20p
20p
+5V
74373
/OC 1Q 1D 2D 2Q 3Q 3D 4D 4Q GND
Vcc 8Q 8D 7D 7Q 6Q 6D 5D 5Q CK
62256
A14 A12 A7 A6 A5 A4 A3 A2 A1 A0 I/O0 I/O1 I/O2 Vss
Vcc /WE A13 A8 A9 A11 /OE A10 /CS I/O7 I/O6 I/O5 I/O4 I/O3
7408AND
1A 1B 1Y 2A 2B 2Y GND
Vcc 4A 4B 4Y 3A 3B 3Y
Vin > 7V DC
Vout = 5V DC
7805
IN OUT
GND
100u
10u
330
330
Power Link
HIN232
C1+ V+ C1- C2+ C2- V- T2out R2in
Vcc GND T1out R1in R1out T1in T2in R2out
1u
1u
1u
1u
RS232
Connector
CD RD TD DTR GND
DSR RTS CTS RI
A B C D E
1 2 3 4