AT89S52

U1A

P3
CONN_5X2

MOSI 1 2 VCC
3 4
rst 5 6
SCK 7 8
MISO 9 10

CONN_10 P2
RX 1
TX 2
1 3
2 4
3 5
4 6
MOSI 8 7
MISO 9 8
SCK 10 9
10

P1.0(T2) 1
P1.1(T2_EX) 2
P1.2 3
P1.3 4
P1.4 5
P1.5(MOSI) 6
P1.6(MISO) 7
P1.7(SCK) 8

P3.0(RxD) 10
P3.1(TxD) 11
P3.2(INT0) 12
P3.3(INT1) 13
P3.4(T0) 14
P3.5(T1) 15
P3.6(WR) 16
P3.7(RD) 17

ALE/PROG 30
PSEN 29
EA/VPP 31
RST 9

P0.0(AD0) 39
P0.1(AD1) 38
P0.2(AD2) 37
P0.3(AD3) 36
P0.4(AD4) 35
P0.5(AD5) 34
P0.6(AD6) 33
P0.7(AD7) 32

P2.7(A15) 28
P2.6(A14) 27
P2.5(A13) 26
P2.4(A12) 25
P2.3(A11) 24
P2.2(A10) 23
P2.1(A9) 22
P2.0(A8) 21

XTAL1 19
XTAL2 18
VCC 40
GND 20

X1
11.0592MHz

C1 22pF   C2 22pF

CONN_10 P1
rst 1
2
RX 3
TX 4
INTR 5
6
7
8
9
10

R2 10K
LED D1

SW1 SPST
R1 10K
rst

CONN_9 P6
CONN_10 P4
CONN_10 P5

P11 CONN_7
RX
TX
DTR

RX LED D2   TX LED D3
R3 10K

BC557 Q1
R7 100
RST
DTR
R5 4.7K
R4 1K   R6 1K
VCC