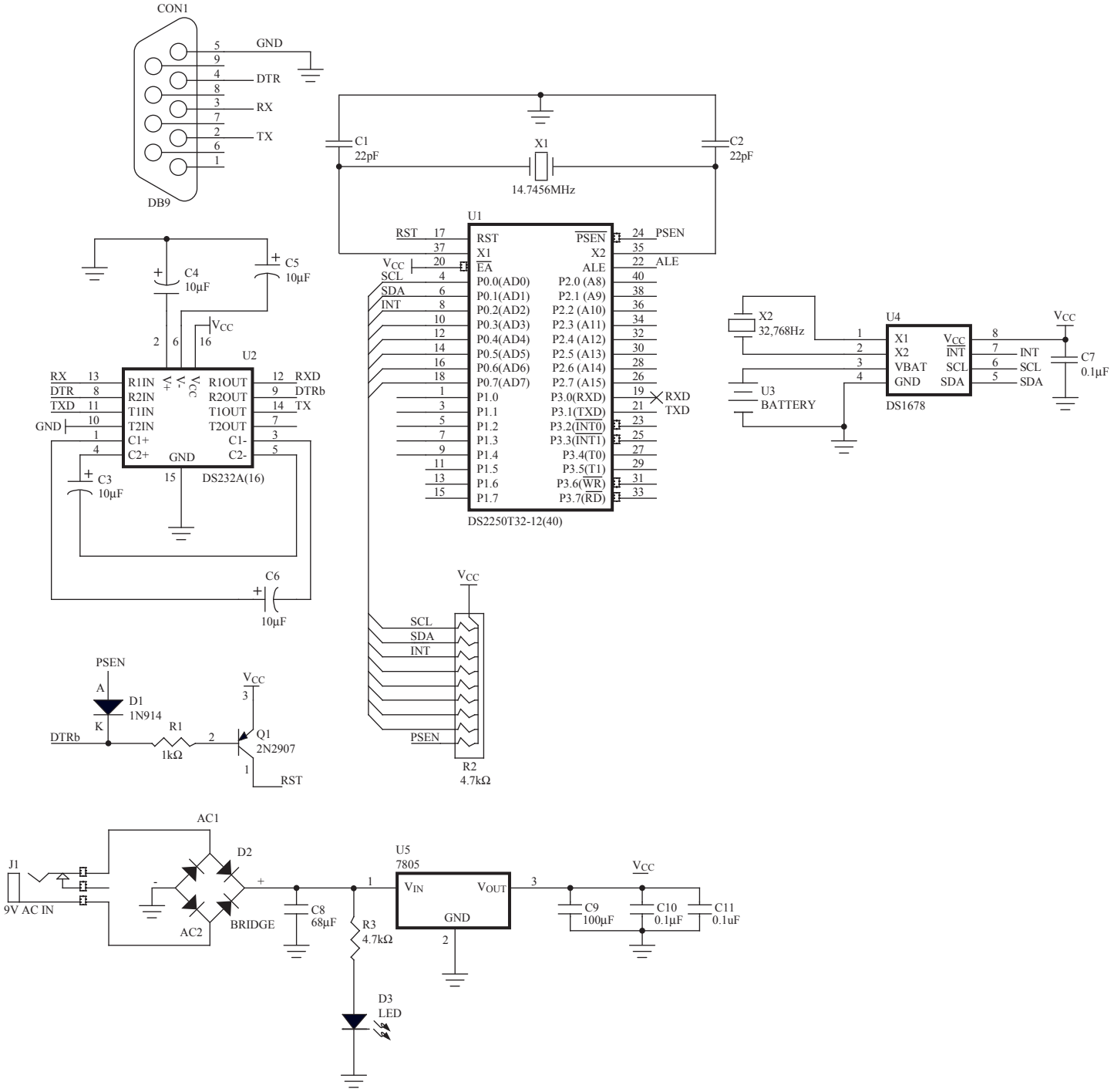
CON1
DB9
GND
DTR
RX
TX
C1
22pF
X1
14.7456MHz
C2
22pF
U1
DS2250T32-12(40)
RST
X1
EA
P0.0(AD0)
P0.1(AD1)
P0.2(AD2)
P0.3(AD3)
P0.4(AD4)
P0.5(AD5)
P0.6(AD6)
P0.7(AD7)
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
PSEN
X2
ALE
P2.0 (A8)
P2.1 (A9)
P2.2 (A10)
P2.3 (A11)
P2.4 (A12)
P2.5 (A13)
P2.6 (A14)
P2.7 (A15)
P3.0(RXD)
P3.1(TXD)
P3.2(INT0)
P3.3(INT1)
P3.4(T0)
P3.5(T1)
P3.6(WR)
P3.7(RD)
VCC
SCL
SDA
INT
C4
10µF
C5
10µF
U2
DS232A(16)
R1IN
R2IN
T1IN
T2IN
C1+
C2+
R1OUT
R2OUT
T1OUT
T2OUT
C1-
C2-
V+
V-
GND
RXD
DTRb
TX
C3
10µF
C6
10µF
X2
32,768Hz
U3
BATTERY
U4
DS1678
VBAT
C7
0.1µF
PSEN
D1
1N914
R1
1kΩ
Q1
2N2907
DTRb
RST
R2
4.7kΩ
AC1
AC2
D2
BRIDGE
J1
9V AC IN
C8
68µF
R3
4.7kΩ
D3
LED
U5
7805
VIN
VOUT
C9
100µF
C10
0.1µF
C11
0.1uF