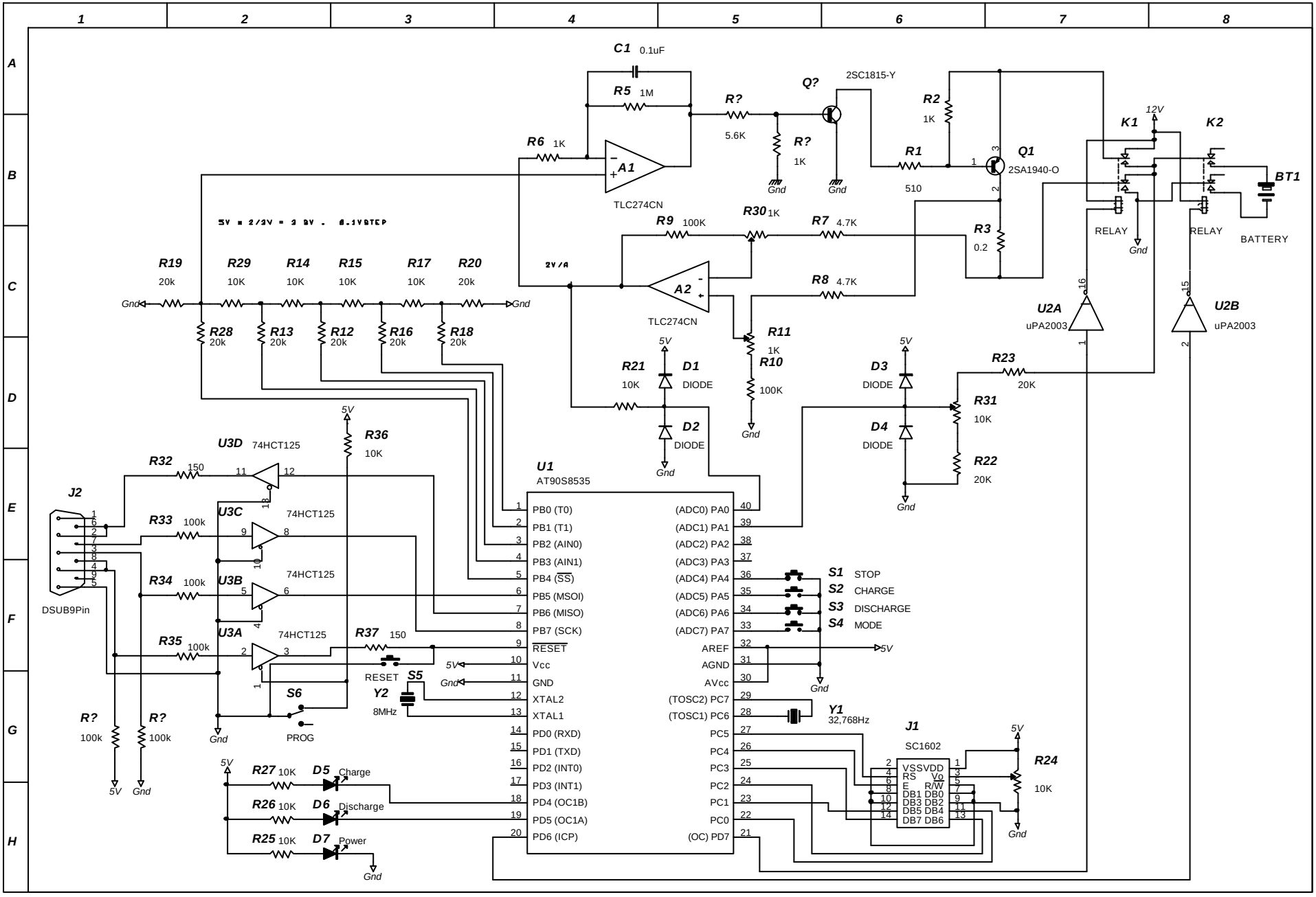
C1 0.1uF
R5 1M
R? 5.6K
Q? 2SC1815-Y
R2 1K
R6 1K
A1
TLC274CN
R? 1K
R1 510
Q1 2SA1940-O
K1
K2
12V
BT1
BATTERY
RELAY
RELAY
R30 1K
R9 100K
R7 4.7K
R3 0.2
R8 4.7K
A2
TLC274CN
R19 20k
R29 10K
R14 10K
R15 10K
R17 10K
R20 20k
R28 20k
R13 20k
R12 20k
R16 20k
R18 20k
R11 1K
R10 100K
R21 10K
D1 DIODE
D2 DIODE
D3 DIODE
D4 DIODE
R23 20K
R31 10K
R22 20K
U2A uPA2003
U2B uPA2003
U3D 74HCT125
U3C 74HCT125
U3B 74HCT125
U3A 74HCT125
R36 10K
R32 150
R33 100k
R34 100k
R35 100k
R37 150
J2
DSUB9Pin
U1
AT90S8535
PB0 (T0)
PB1 (T1)
PB2 (AIN0)
PB3 (AIN1)
PB4 (SS)
PB5 (MSOI)
PB6 (MISO)
PB7 (SCK)
RESET
Vcc
GND
XTAL2
XTAL1
PD0 (RXD)
PD1 (TXD)
PD2 (INT0)
PD3 (INT1)
PD4 (OC1B)
PD5 (OC1A)
PD6 (ICP)
(ADC0) PA0
(ADC1) PA1
(ADC2) PA2
(ADC3) PA3
(ADC4) PA4
(ADC5) PA5
(ADC6) PA6
(ADC7) PA7
AREF
AGND
AVcc
(TOSC2) PC7
(TOSC1) PC6
PC5
PC4
PC3
PC2
PC1
PC0
(OC) PD7
S1 STOP
S2 CHARGE
S3 DISCHARGE
S4 MODE
Y1 32,768Hz
J1
SC1602
VSSVDD
RS Vo
E R/W
DB1 DB0
DB3 DB2
DB5 DB4
DB7 DB6
R24 10K
R? 100k
R? 100k
RESET
S5
Y2 8MHz
S6
PROG
R27 10K
D5 Charge
R26 10K
D6 Discharge
R25 10K
D7 Power
5V
Gnd