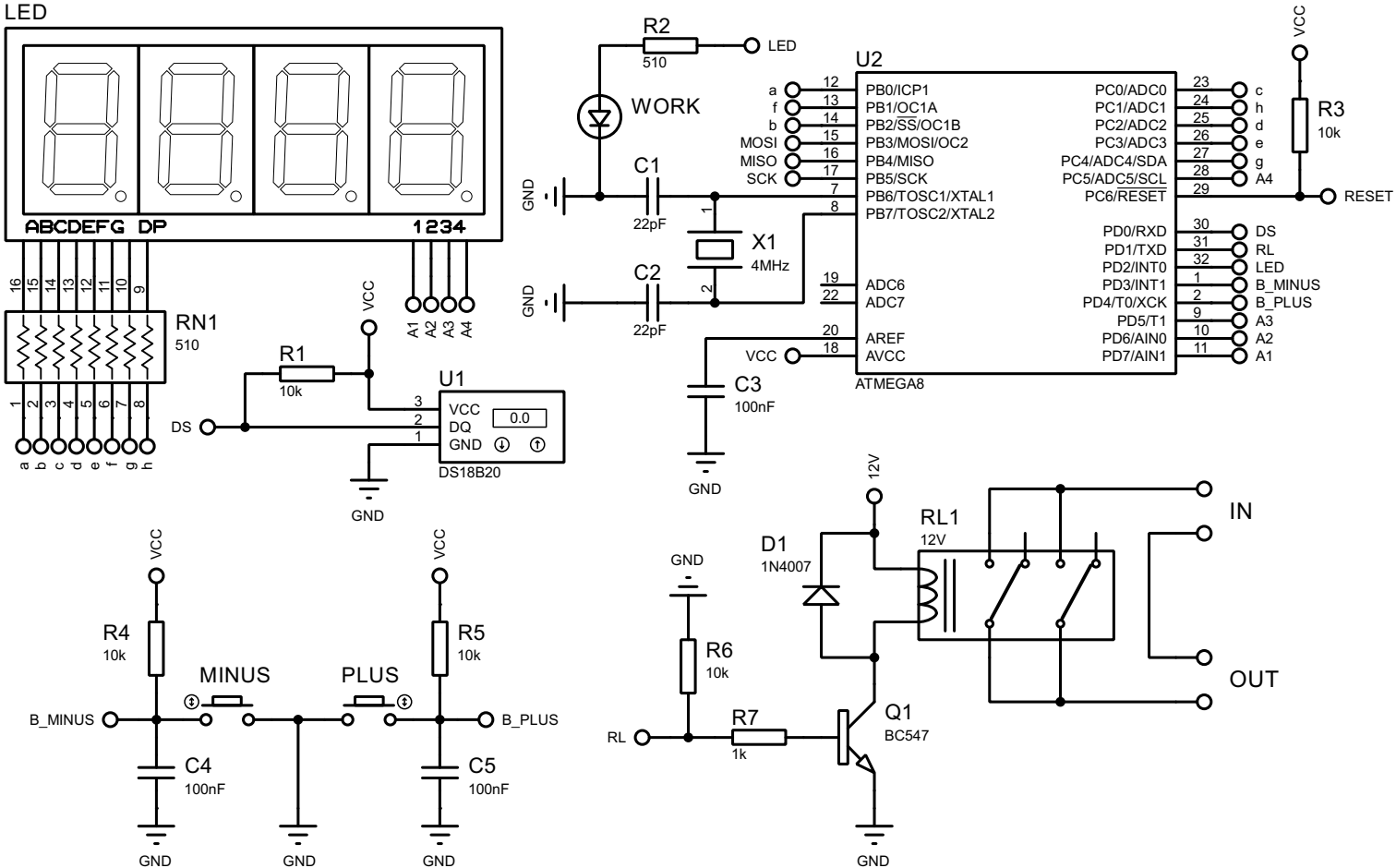
LED
ABCDEFG DP
1234
RN1
510
R1
10k
VCC
DS
U1
VCC
DQ
GND
0.0
DS18B20
GND
A1 A2 A3 A4
R2
510
LED
WORK
C1
22pF
C2
22pF
X1
4MHz
GND
U2
PB0/ICP1
PB1/OC1A
PB2/SS/OC1B
PB3/MOSI/OC2
PB4/MISO
PB5/SCK
PB6/TOSC1/XTAL1
PB7/TOSC2/XTAL2
ADC6
ADC7
AREF
AVCC
PC0/ADC0
PC1/ADC1
PC2/ADC2
PC3/ADC3
PC4/ADC4/SDA
PC5/ADC5/SCL
PC6/RESET
PD0/RXD
PD1/TXD
PD2/INT0
PD3/INT1
PD4/T0/XCK
PD5/T1
PD6/AIN0
PD7/AIN1
ATMEGA8
R3
10k
RESET
C3
100nF
R4
10k
R5
10k
MINUS
PLUS
B_MINUS
B_PLUS
C4
100nF
C5
100nF
12V
D1
1N4007
RL1
12V
IN
OUT
R6
10k
R7
1k
RL
Q1
BC547