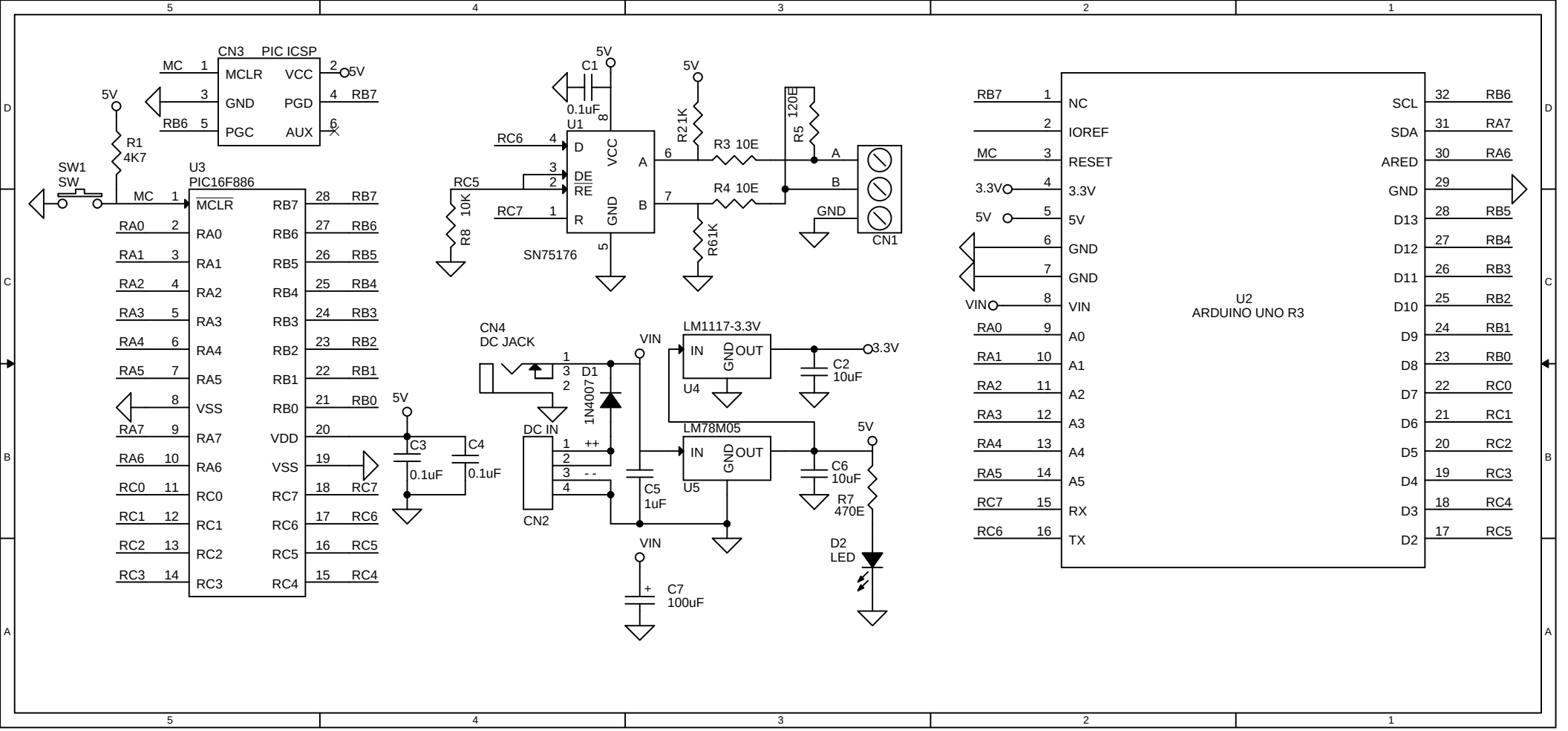
CN3 PIC ICSP
MCLR VCC
GND PGD
PGC AUX
MC
RB6
5V
RB7
R1 4K7
SW1 SW
U3 PIC16F886
MCLR RB7
RA0 RB6
RA1 RB5
RA2 RB4
RA3 RB3
RA4 RB2
RA5 RB1
VSS RB0
RA7 VDD
RA6 VSS
RC0 RC7
RC1 RC6
RC2 RC5
RC3 RC4
C3 0.1uF
C4 0.1uF
C1 0.1uF
U1 SN75176
D DE RE R VCC GND A B
RC6 RC5 RC7
R8 10K
R2 1K
R3 10E
R4 10E
R5 120E
R6 1K
CN1
CN4 DC JACK
DC IN
CN2
D1 1N4007
C5 1uF
LM1117-3.3V
IN GND OUT
U4
3.3V
C2 10uF
LM78M05
U5
C6 10uF
R7 470E
D2 LED
VIN
C7 100uF
U2 ARDUINO UNO R3
NC IOREF RESET 3.3V 5V GND GND VIN A0 A1 A2 A3 A4 A5 RX TX
SCL SDA ARED GND D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2