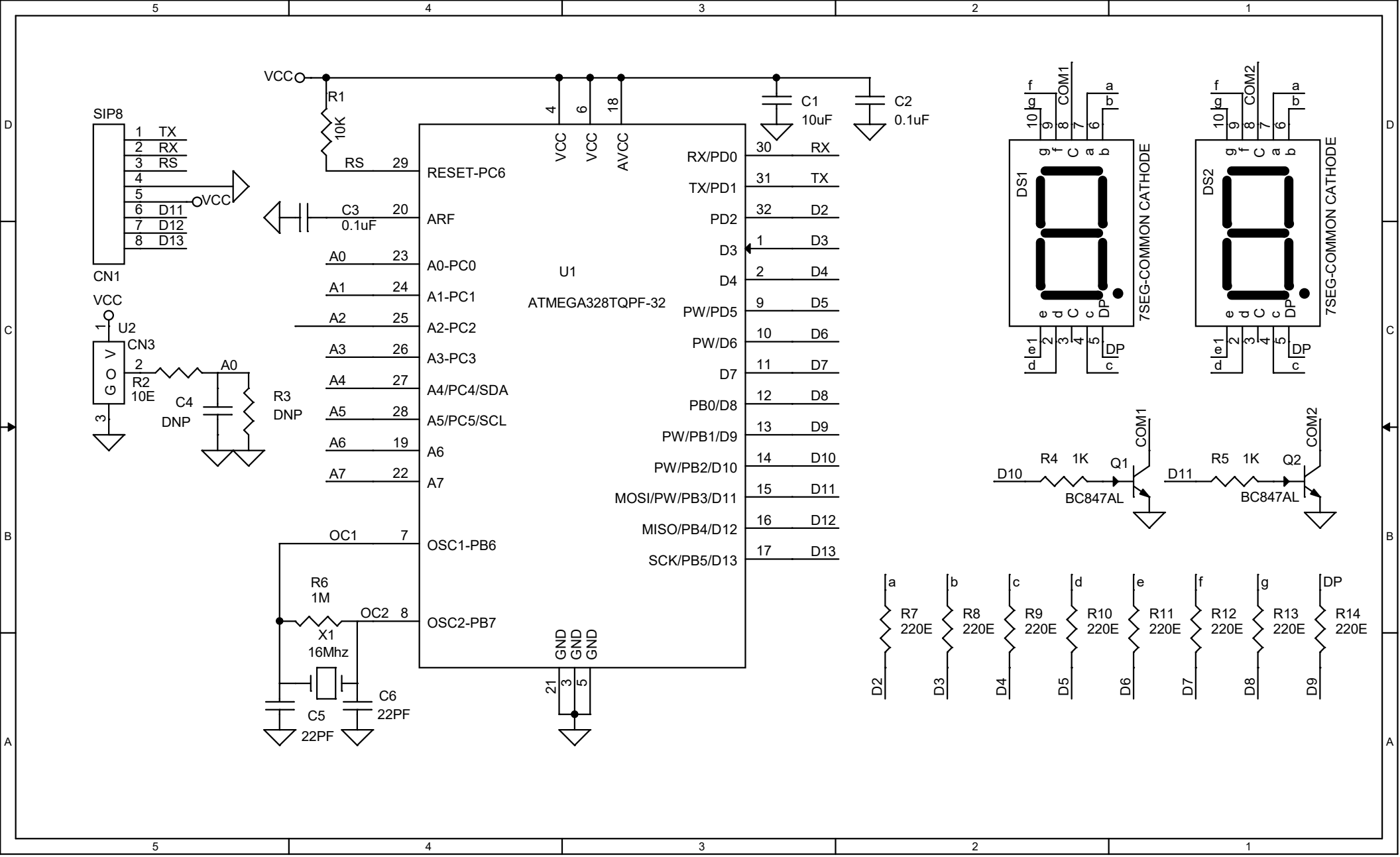
VCC
R1
10K
RS
29
RESET-PC6
C3
0.1uF
20
ARF
A0
23
A0-PC0
A1
24
A1-PC1
A2
25
A2-PC2
A3
26
A3-PC3
A4
27
A4/PC4/SDA
A5
28
A5/PC5/SCL
A6
19
A6
A7
22
A7
OC1
7
OSC1-PB6
OC2
8
OSC2-PB7
4
6
18
VCC
VCC
AVCC
GND
GND
GND
21
3
5
U1
ATMEGA328TQPF-32
RX/PD0
30
RX
TX/PD1
31
TX
PD2
32
D2
D3
1
D3
D4
2
D4
PW/PD5
9
D5
PW/D6
10
D6
D7
11
D7
PB0/D8
12
D8
PW/PB1/D9
13
D9
PW/PB2/D10
14
D10
MOSI/PW/PB3/D11
15
D11
MISO/PB4/D12
16
D12
SCK/PB5/D13
17
D13
C1
10uF
C2
0.1uF
SIP8
1 TX
2 RX
3 RS
4
5
6 D11
7 D12
8 D13
CN1
VCC
U2
CN3
G O V
R2
10E
C4
DNP
R3
DNP
A0
R6
1M
X1
16Mhz
C5
22PF
C6
22PF
DS1
DS2
7SEG-COMMON CATHODE
COM1
COM2
DP
R4 1K
R5 1K
Q1
Q2
BC847AL
D10
D11
R7 220E
R8 220E
R9 220E
R10 220E
R11 220E
R12 220E
R13 220E
R14 220E
D2
D3
D4
D5
D6
D7
D8
D9