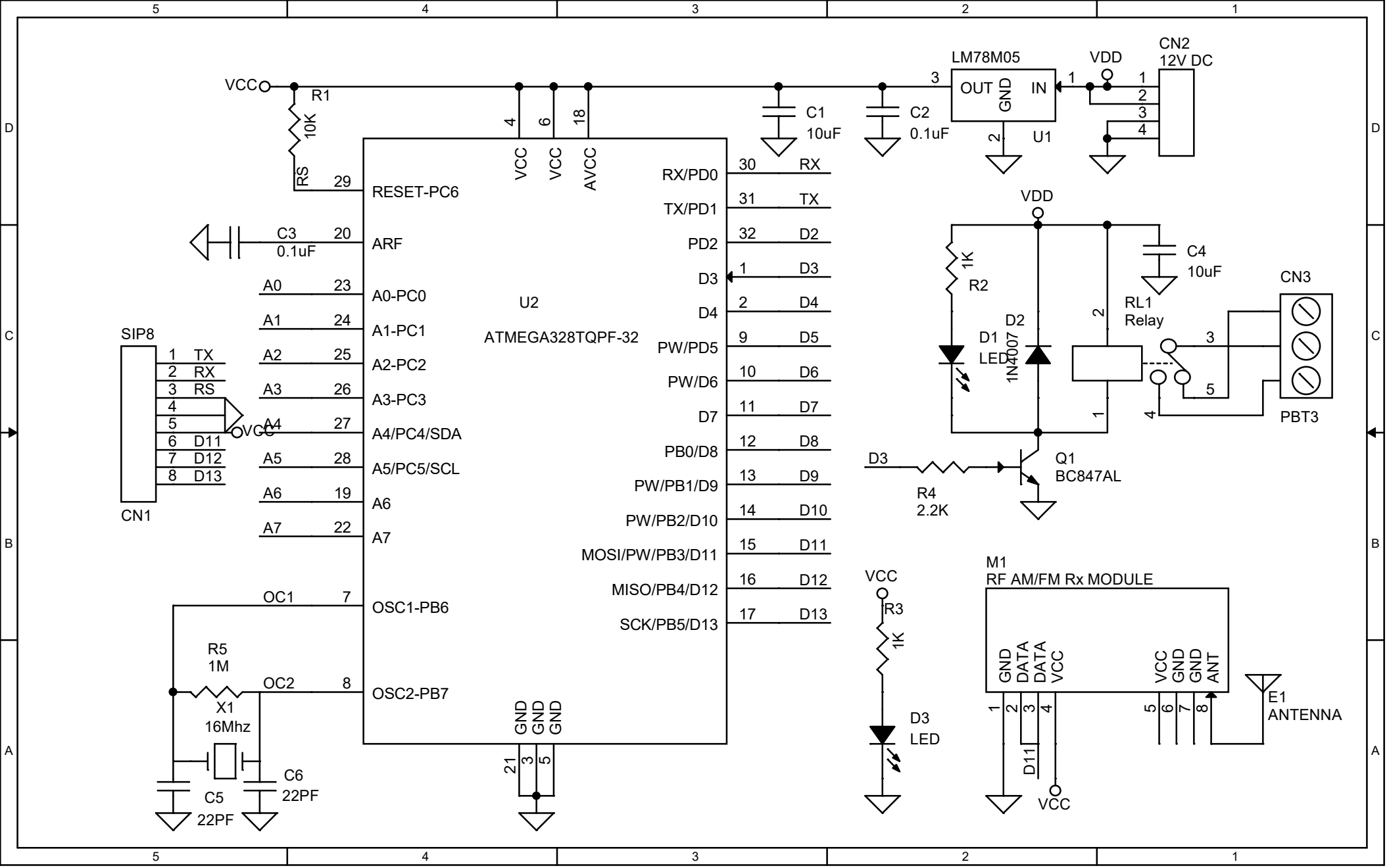
VCC
R1
10K
RS
29
RESET-PC6
4
6
18
VCC
VCC
AVCC
C1
10uF
C2
0.1uF
LM78M05
OUT
GND
IN
3
1
2
U1
VDD
CN2
12V DC
C3
0.1uF
20
ARF
A0
23
A0-PC0
A1
24
A1-PC1
A2
25
A2-PC2
A3
26
A3-PC3
A4
27
A4/PC4/SDA
A5
28
A5/PC5/SCL
A6
19
A6
A7
22
A7
U2
ATMEGA328TQPF-32
RX/PD0
30
RX
TX/PD1
31
TX
PD2
32
D2
D3
1
D3
D4
2
D4
PW/PD5
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
SIP8
1 TX
2 RX
3 RS
4
5
6 D11
7 D12
8 D13
VCC
CN1
OC1
7
OSC1-PB6
R5
1M
OC2
8
OSC2-PB7
X1
16Mhz
C5
22PF
C6
22PF
GND
GND
GND
21
3
5
VDD
R2
1K
D2
D1
LED
1N4007
C4
10uF
RL1
Relay
CN3
PBT3
D3
R4
2.2K
Q1
BC847AL
VCC
R3
1K
D3
LED
M1
RF AM/FM Rx MODULE
GND
DATA
DATA
VCC
VCC
GND
GND
ANT
E1
ANTENNA
D11
VCC