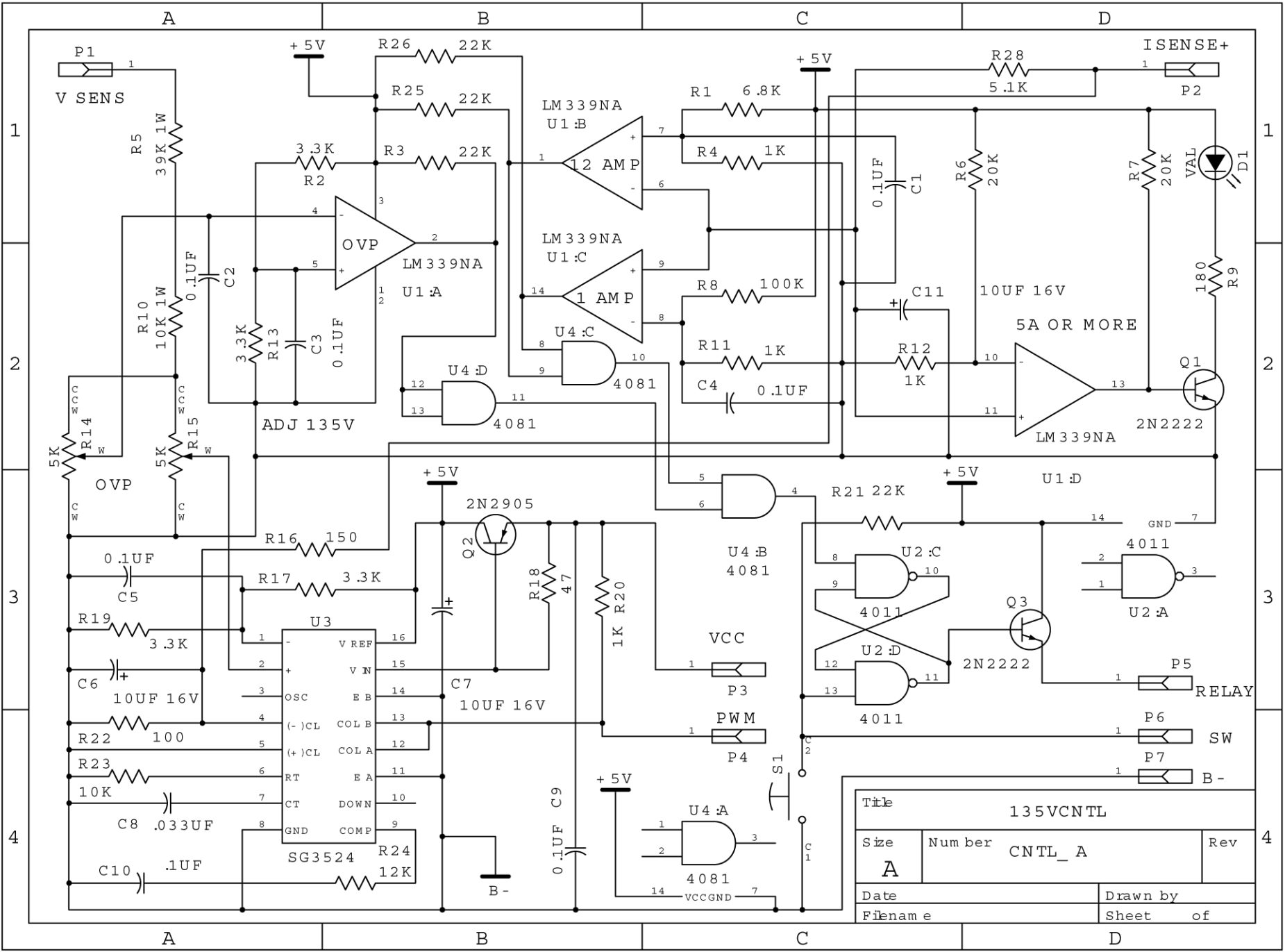
P1
V SENS
R5
39K 1W
+5V
R26 22K
R25 22K
R3 22K
3.3K
R2
LM339NA
U1:B
12 AMP
R1 6.8K
R4 1K
R28
5.1K
ISENSE+
P2
0.1UF
C1
R6
20K
R7
20K
VAL
D1
OVP
LM339NA
U1:A
C2
0.1UF
R10
10K 1W
3.3K
R13
C3
0.1UF
LM339NA
U1:C
1 AMP
R8 100K
R11 1K
C4 0.1UF
U4:C
4081
U4:D
4081
ADJ 135V
C11
10UF 16V
5A OR MORE
R12
1K
LM339NA
180
R9
Q1
2N2222
R14
5K
R15
5K
OVP
+5V
2N2905
Q2
R16 150
0.1UF
C5
R17 3.3K
R18
47
1K R20
U4:B
4081
R21 22K
+5V
U1:D
GND
4011
U2:A
U2:C
4011
U2:D
4011
Q3
2N2222
P5
RELAY
R19
3.3K
U3
SG3524
V REF
V IN
OSC
E B
(-)CL
COL B
(+)CL
COL A
RT
E A
CT
DOWN
GND
COMP
C6
10UF 16V
C7
10UF 16V
VCC
P3
PWM
P4
P6
SW
P7
B-
R22 100
R23
10K
C8 .033UF
R24
12K
C10 .1UF
0.1UF C9
B-
+5V
U4:A
4081
VCCGND
S1
Title
135VCNTL
Size
A
Number
CNTL_ A
Rev
Date
Drawn by
Filename
Sheet of