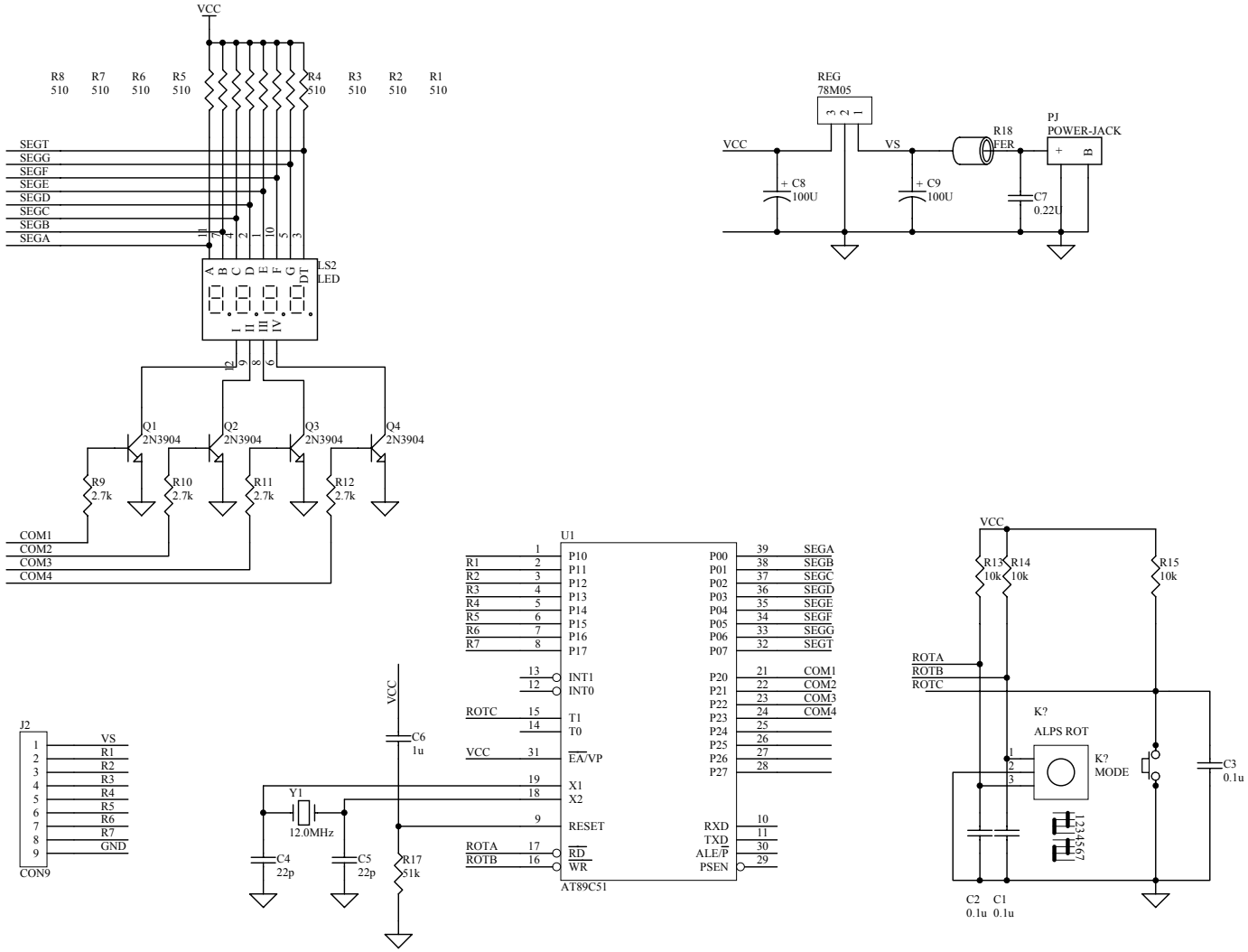
VCC
R8 510
R7 510
R6 510
R5 510
R4 510
R3 510
R2 510
R1 510
SEGT
SEGG
SEGF
SEGE
SEGD
SEGC
SEGB
SEGA
LS2
LED
Q1 2N3904
Q2 2N3904
Q3 2N3904
Q4 2N3904
R9 2.7k
R10 2.7k
R11 2.7k
R12 2.7k
COM1
COM2
COM3
COM4
REG
78M05
VCC
VS
R18
FER
PJ
POWER-JACK
C8 100U
C9 100U
C7 0.22U
U1
AT89C51
P10
P11
P12
P13
P14
P15
P16
P17
INT1
INT0
T1
T0
EA/VP
X1
X2
RESET
RD
WR
P00
P01
P02
P03
P04
P05
P06
P07
P20
P21
P22
P23
P24
P25
P26
P27
RXD
TXD
ALE/P
PSEN
ROTC
ROTA
ROTB
J2
CON9
VS
R1
R2
R3
R4
R5
R6
R7
GND
C6 1u
Y1 12.0MHz
C4 22p
C5 22p
R17 51k
K?
ALPS ROT
K? MODE
R13 10k
R14 10k
R15 10k
C3 0.1u
C2 0.1u
C1 0.1u