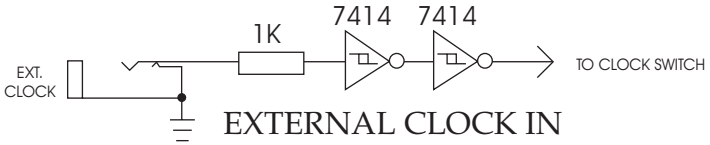
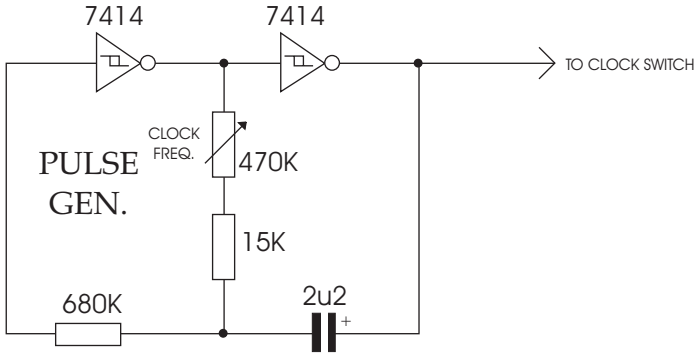
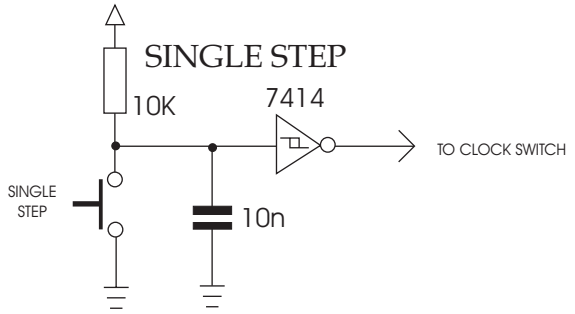
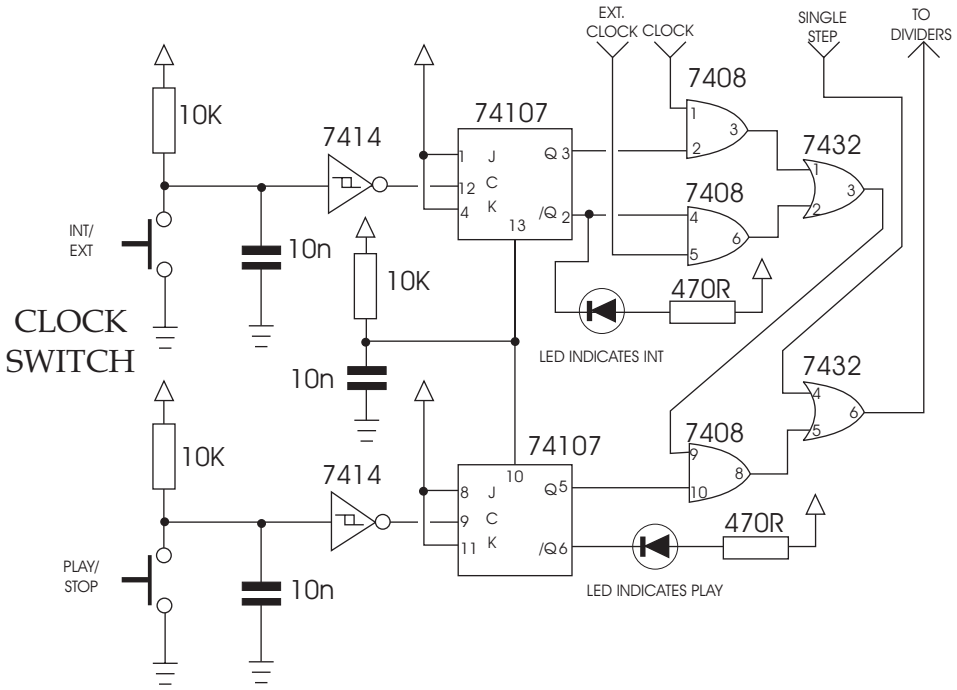
The Simple Sequencer

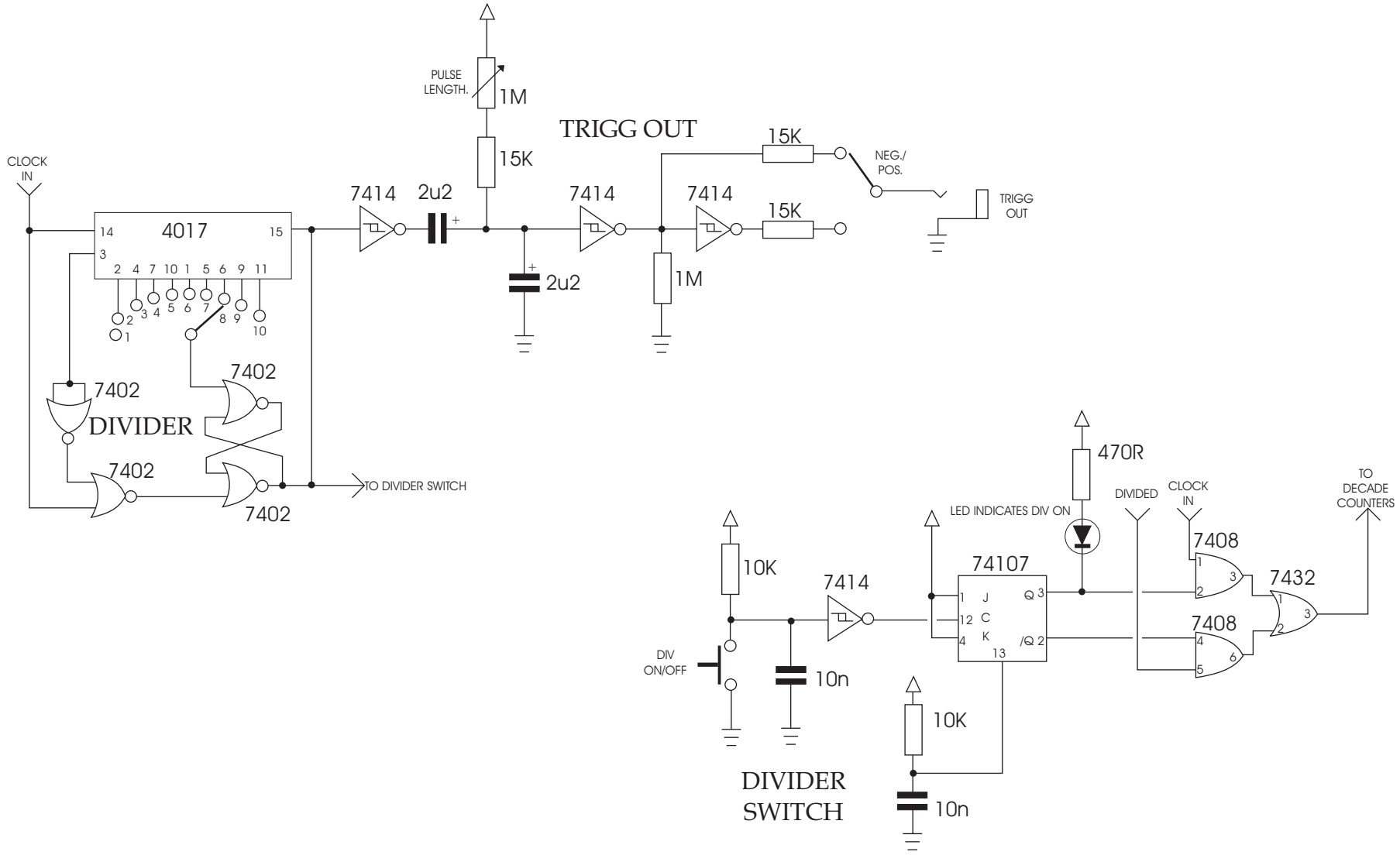




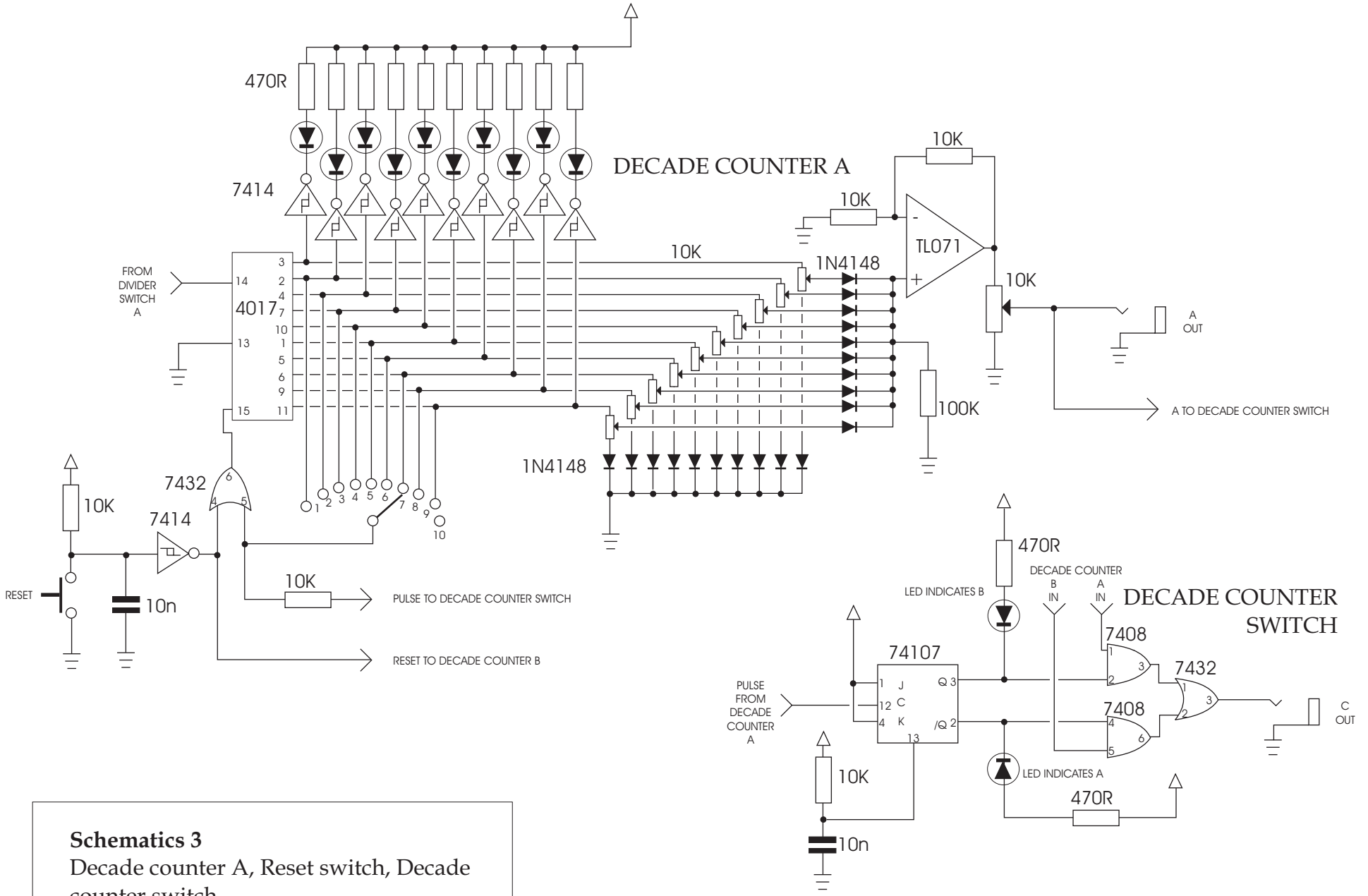




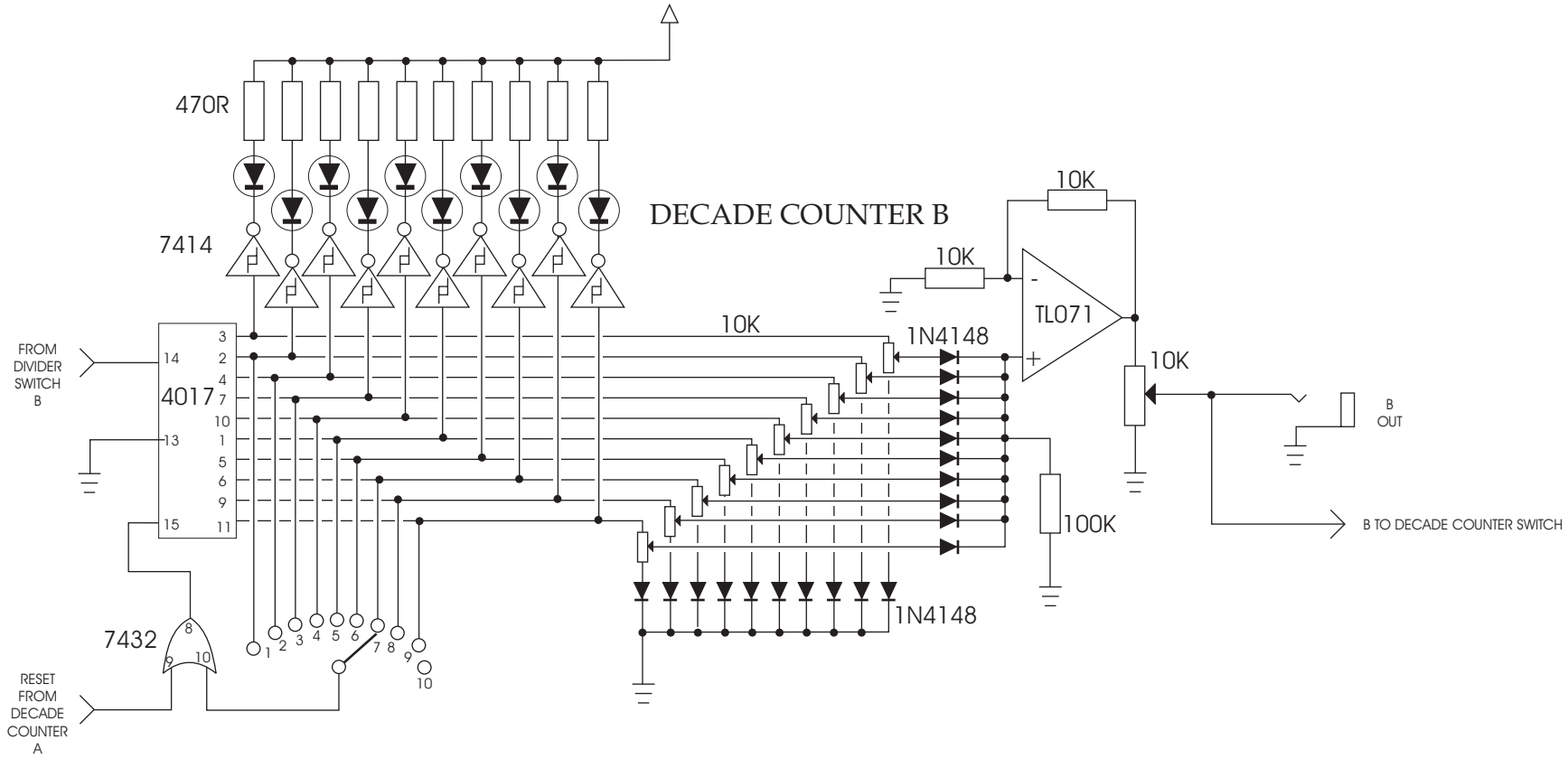
Schematics 1
External clock in, Pulse (Clock) generator, Single step, Clock switch



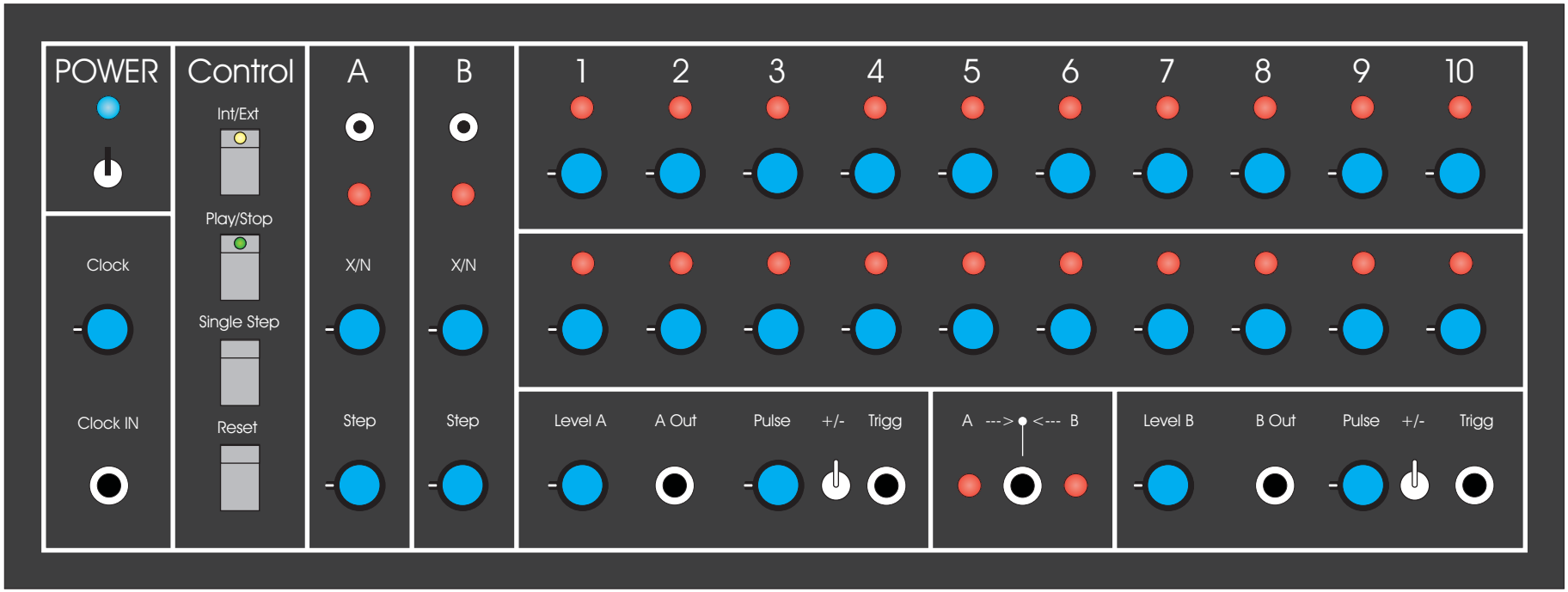
Schematics 2 (2 of each - A & B)
Divider, Trigg out, Divider switch
LED indicates when Divider is used.



Schematics 3
Decade counter A, Reset switch, Decade counter switch



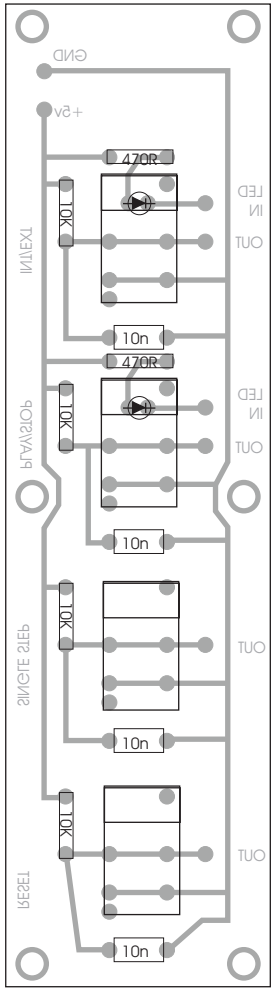
Schematics 4
Decade counter B



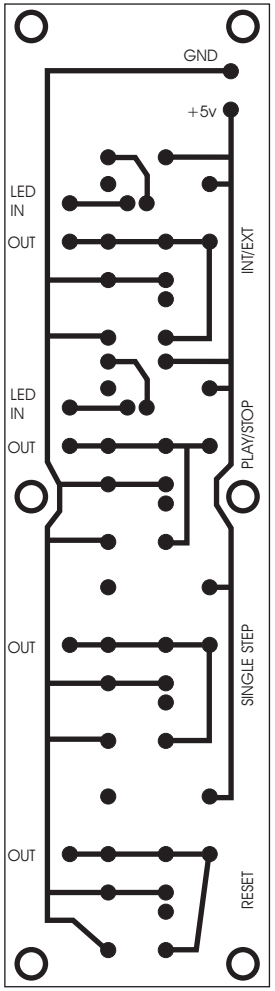
Layout
The Simple Sequencer (60%)

PCB 1 (35x130)
Switch board. Internal/External clock,
Play/Stop, Single Step, Reset

Parts placing

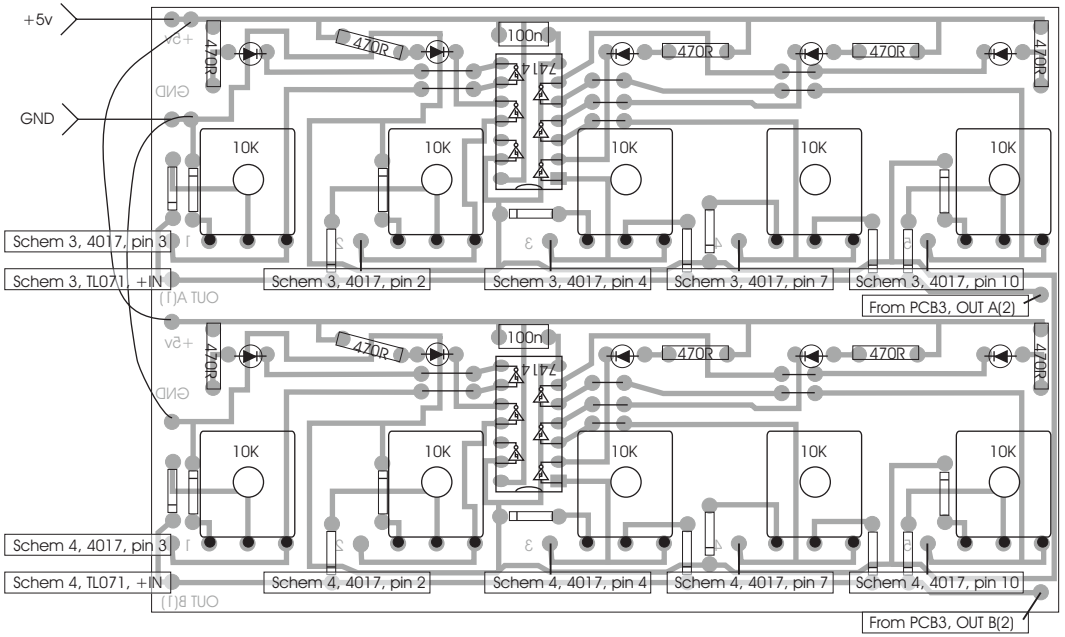


PCB (35x130)

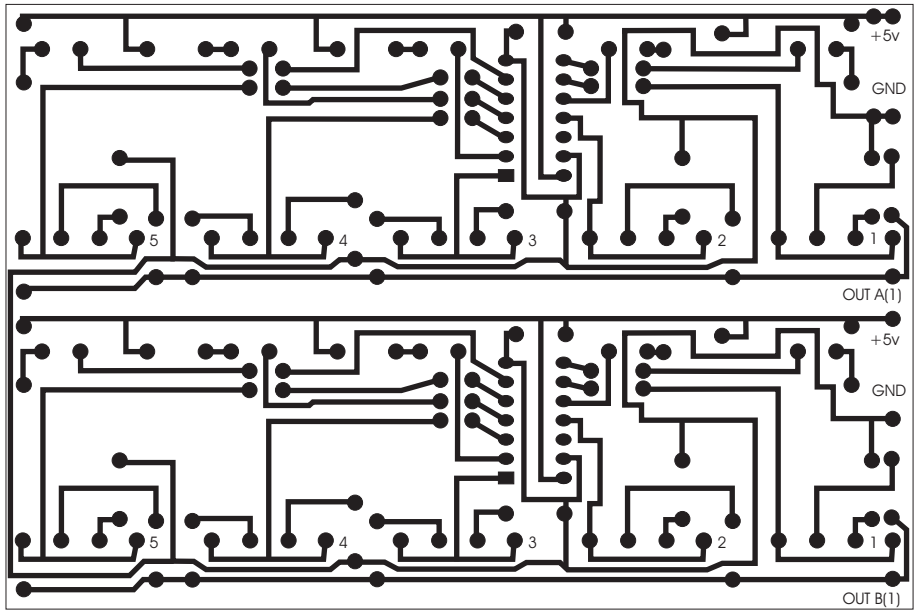


PCB2 (120x80)
Step 1 to 5, channel A and B

Parts placing

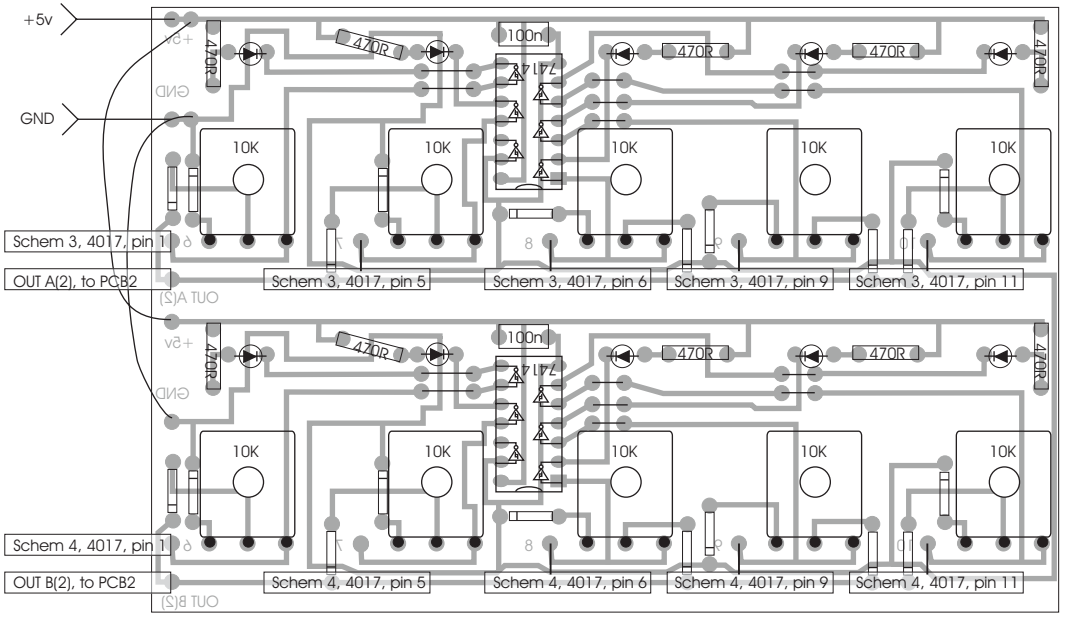


PCB (120x80)

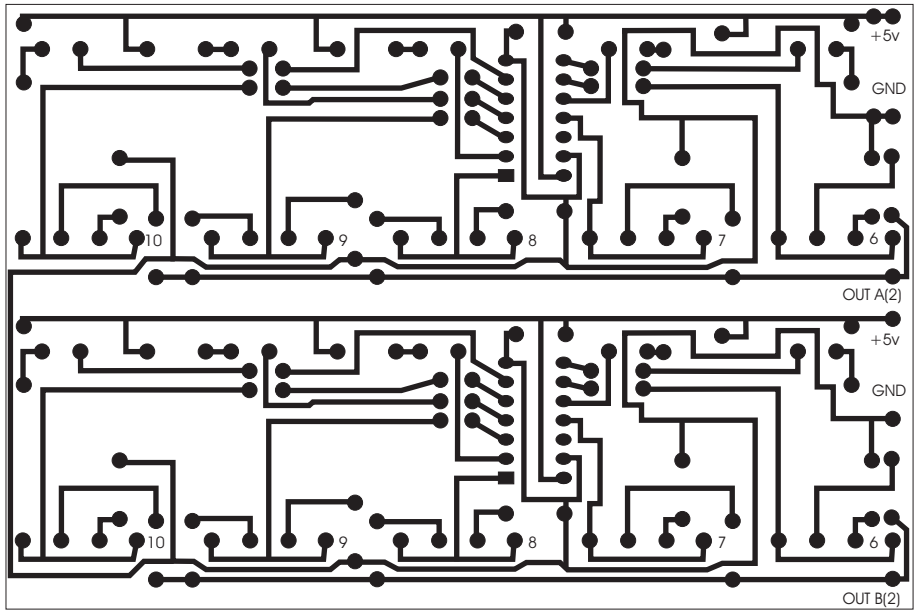


PCB3 (120x80)
Step 6 to 10, channel A and B

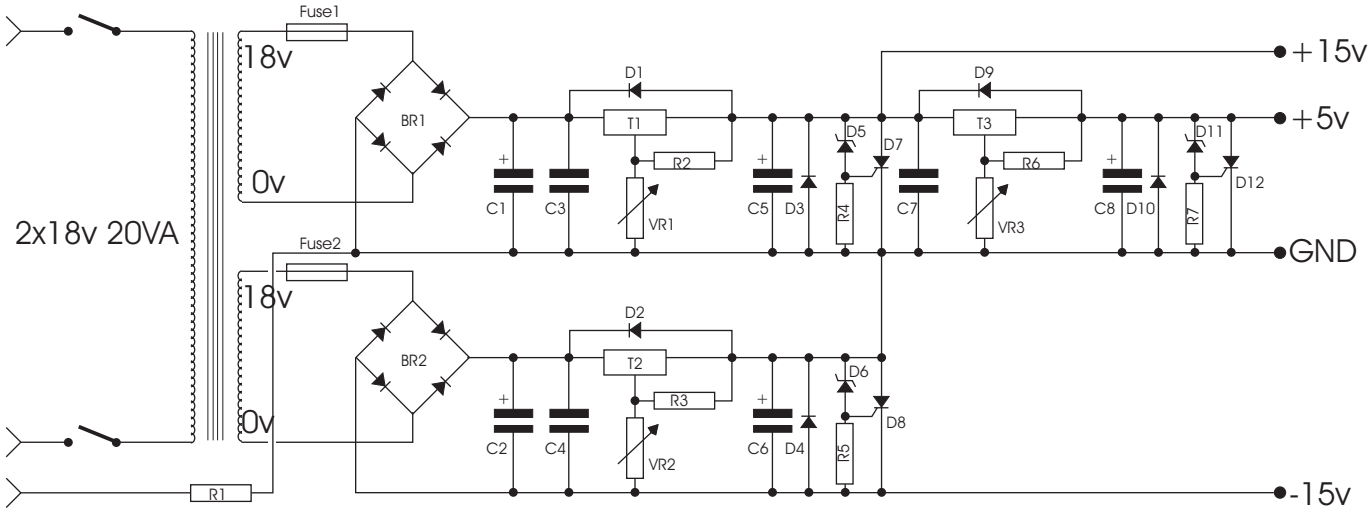
Parts placing



PCB (120x80)



PSU Schematic
Decade counter A, Decade counter B
Decade counter switch

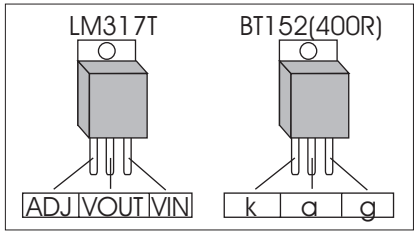


Parts list

R1 = 330R
R2, R3 = 450R
R4, R5, R7 = 33R
R6 = 1.6k
VR1, VR2, VR3 = 10k

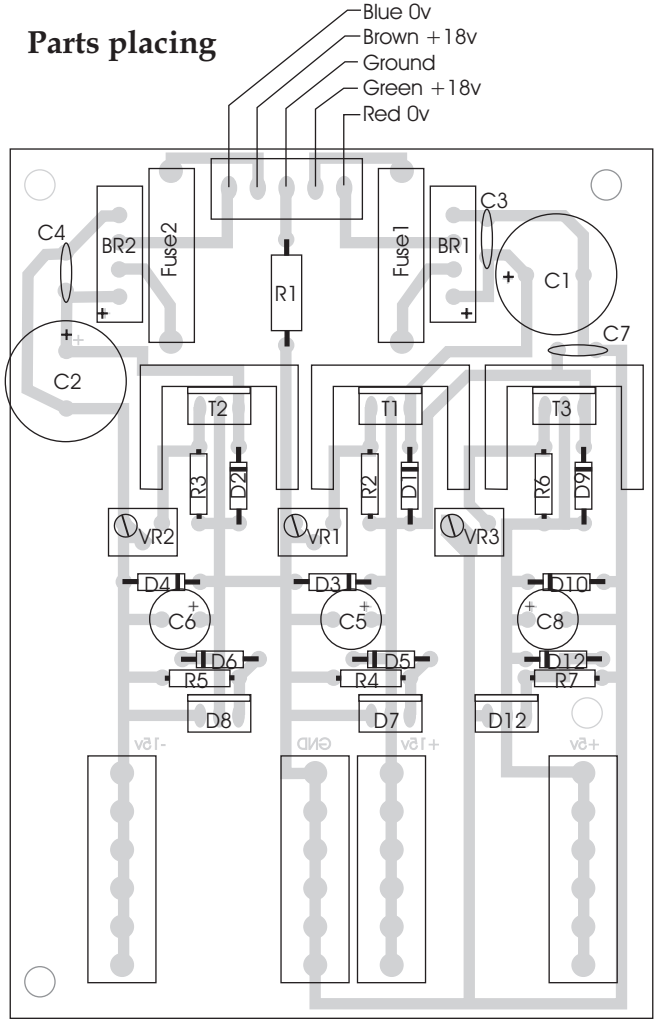
C1, C2 = 2200uF
C3, C4, C7 = 100nF
C5, C6, C8 = 22uF
D1, D2, D3, D4, D9, D10 = 1N4001
D5, D6 = 16v zener

D11 = 5.6v zener
D7, D8, D12 = BT152 400R
BR1, BR2 = KBP204G
T1, T2, T3 = LM317T
Fuse1, Fuse2 = 1.0 A



PCB5 (85x105)
PSU

Parts placing



PCB 85x105