

Schematic Design Sample

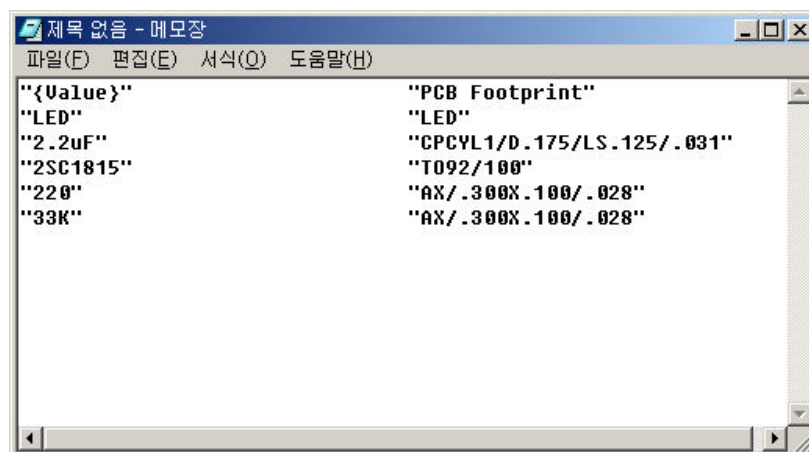
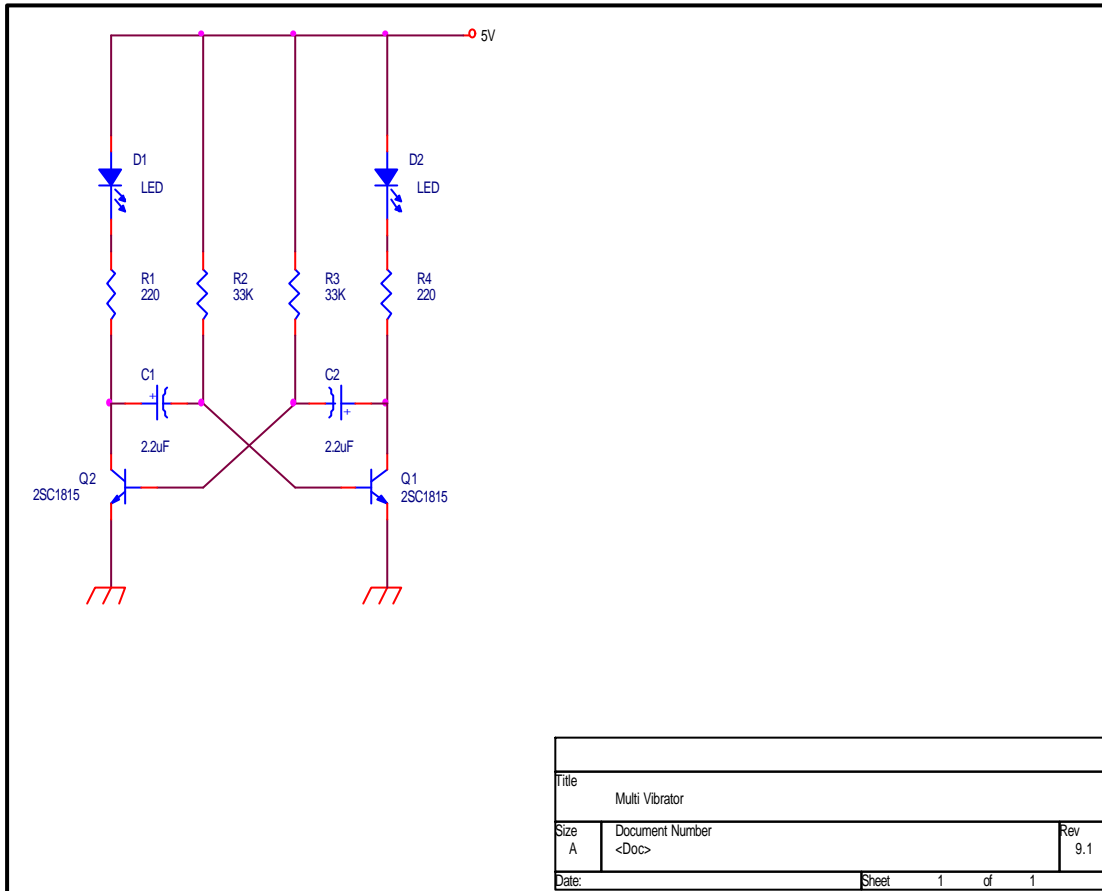
Schematic Design Sample 1 (Multi Vibrator 회로)

Schematic Design Sample 2 (카운터 회로)

Schematic Design Sample 3 (Timer 회로)

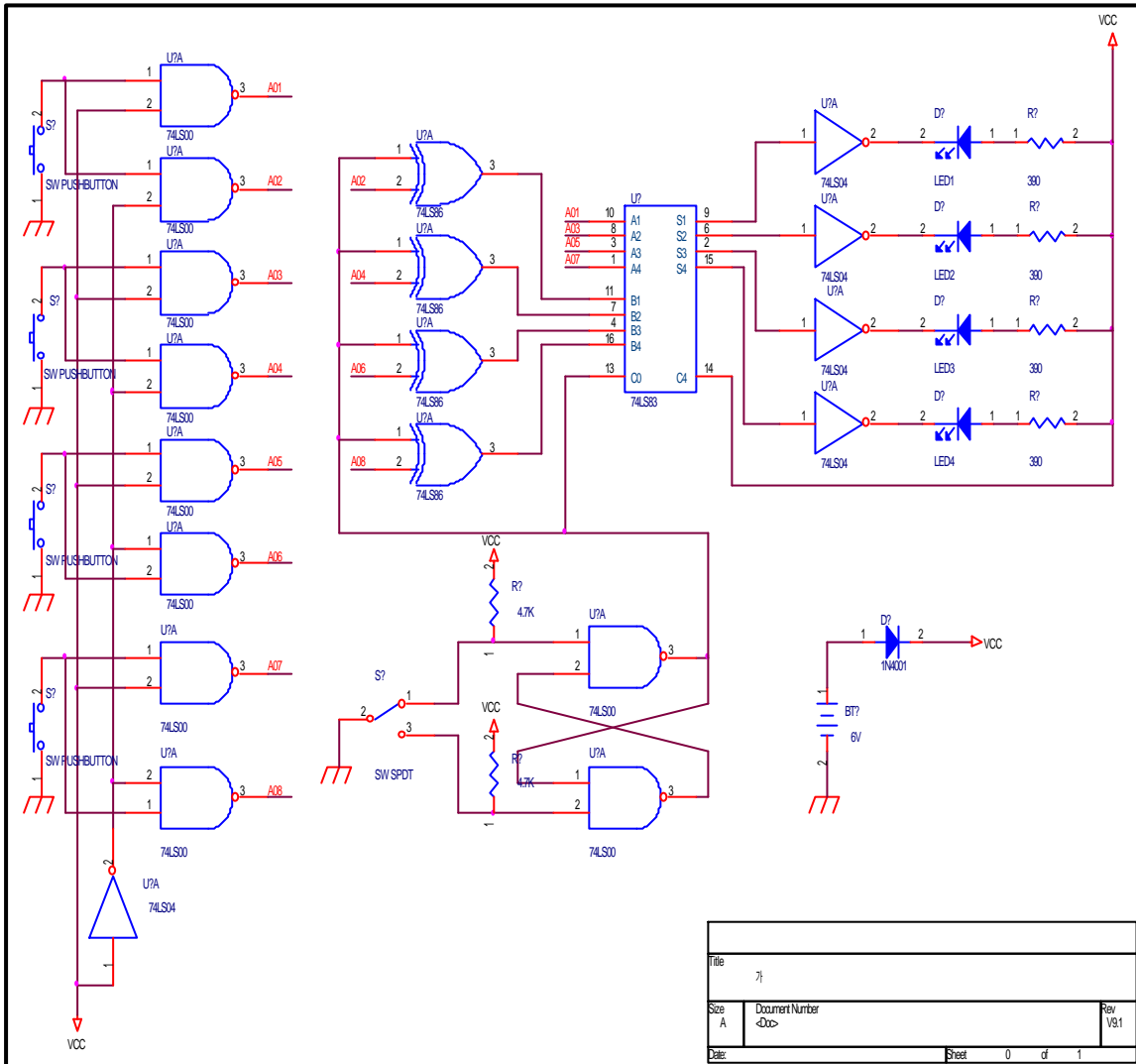
Schematic Design Sample 4 (전계산 회로)

1. Multi Vibrator 회로



- ① Windows에서 지원하는 텍스트 편집기를 활성화시킨다.
- ② 위의 그림에서 보는바와 같이 왼쪽 열에는 schematic design에서의 부품의 값을 입력하고 오른쪽 열에는 PCB에서 사용되는 부품의 이름(Footprint)을 입력한다.
- ③ 위와 같이 입력을 한 후에 확장자를 upd로 하여 저장한다.

2. 부품산기 회로

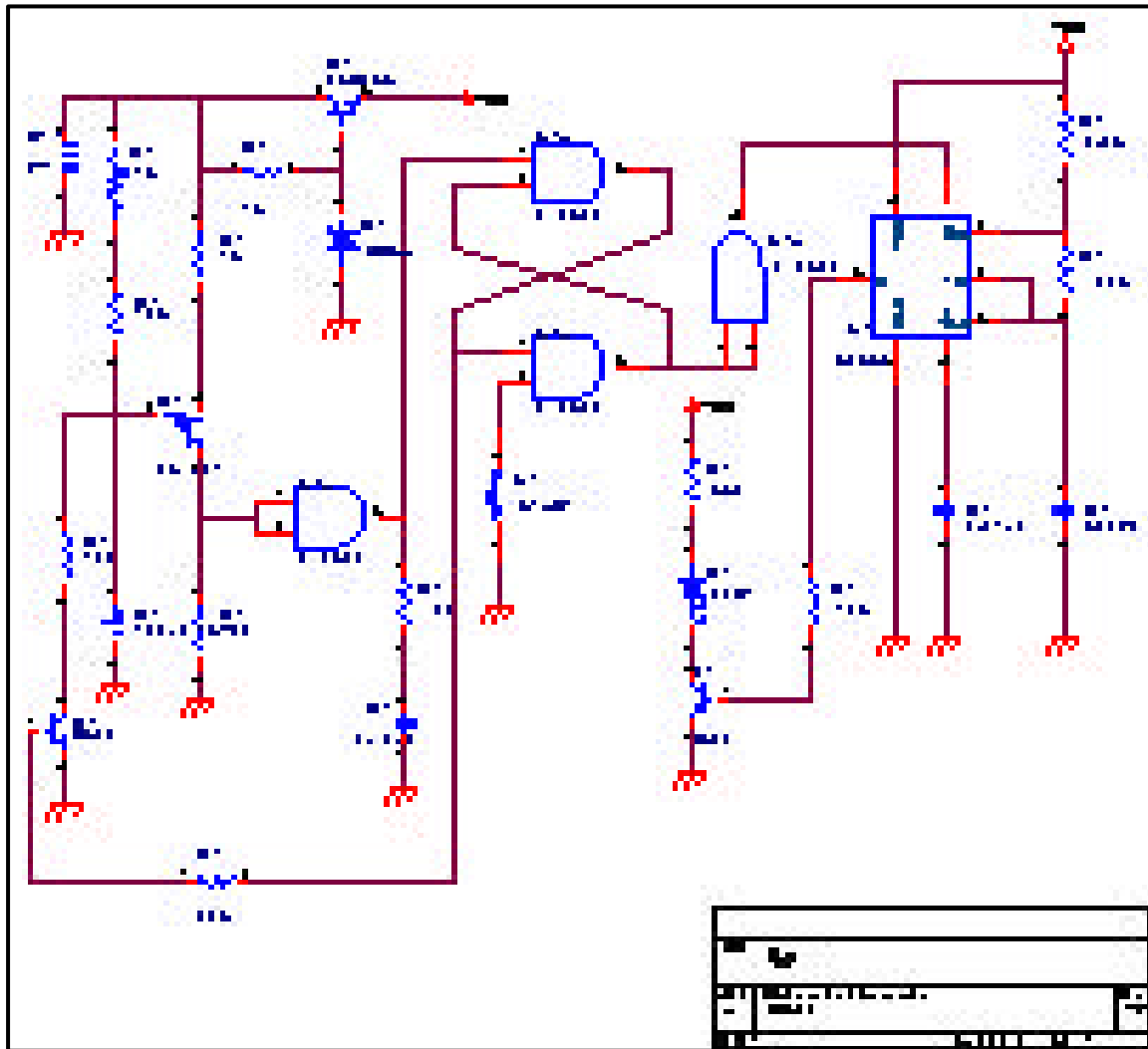


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가감산기.upd - 메모장
파일(F) 편집(E) 서식(Q) 도움말(H)

"{Uvalue}"      "PCB Footprint"
"6V"            "BATTERY"
"LED1"         "LED"
"LED2"         "LED"
"LED3"         "LED"
"LED4"         "LED"
"1N4001"       "DAX1/.400X.080/.028"
"390"          "AX/.400X.100/.031"
"4.7K"         "AX/.400X.100/.031"
"SW PUSHBUTTON" "SWITCH1"
"SW SPDT"      "SWITCH8"
"74LS00"       "DIP.100/14/W.300/L.725"
"74LS04"       "DIP.100/14/W.300/L.725"
"74LS86"       "DIP.100/16/W.300/L.800"
"74LS83"       "DIP.100/16/W.300/L.800"
  
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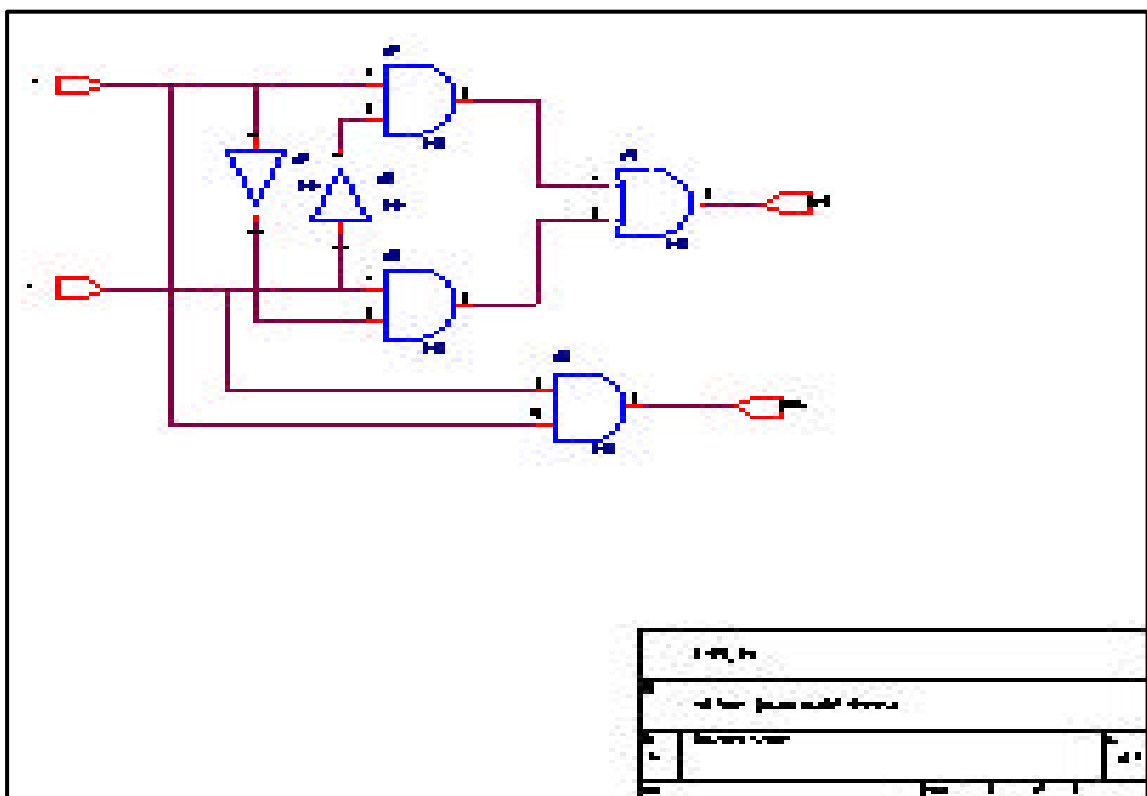
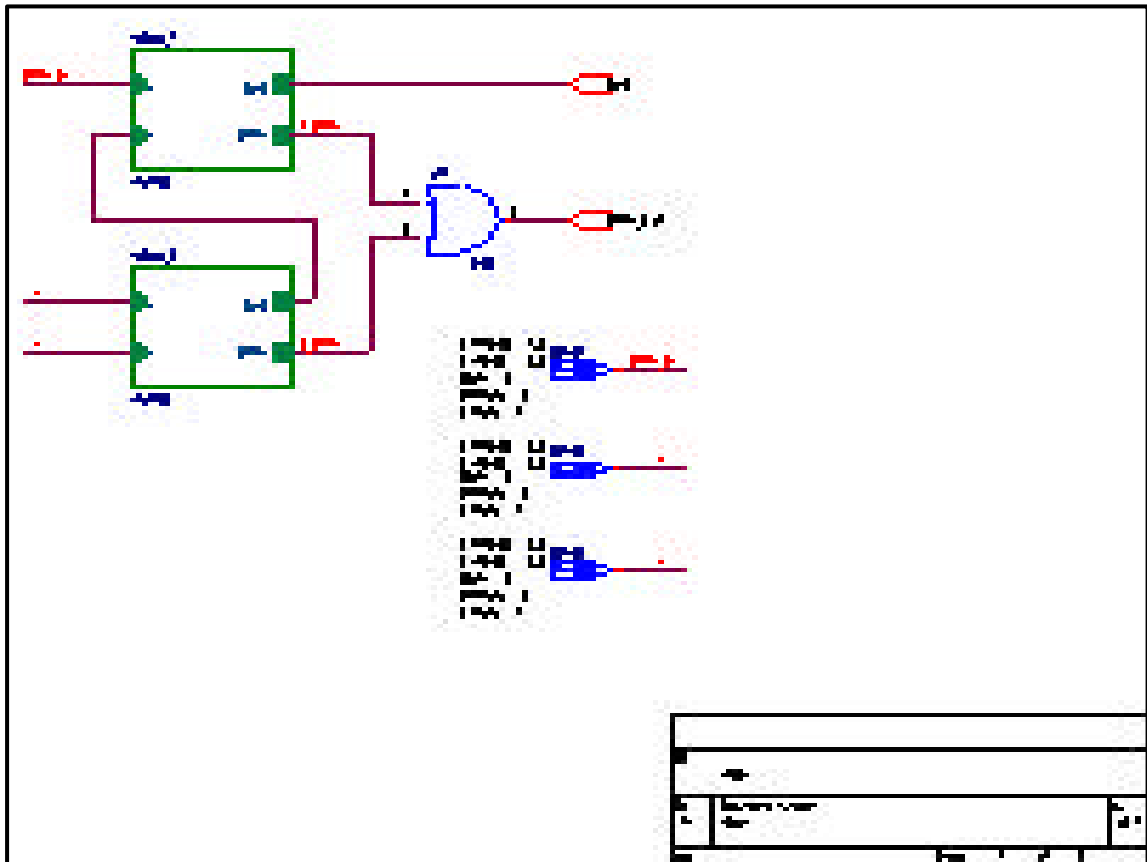
3. Timer 회로

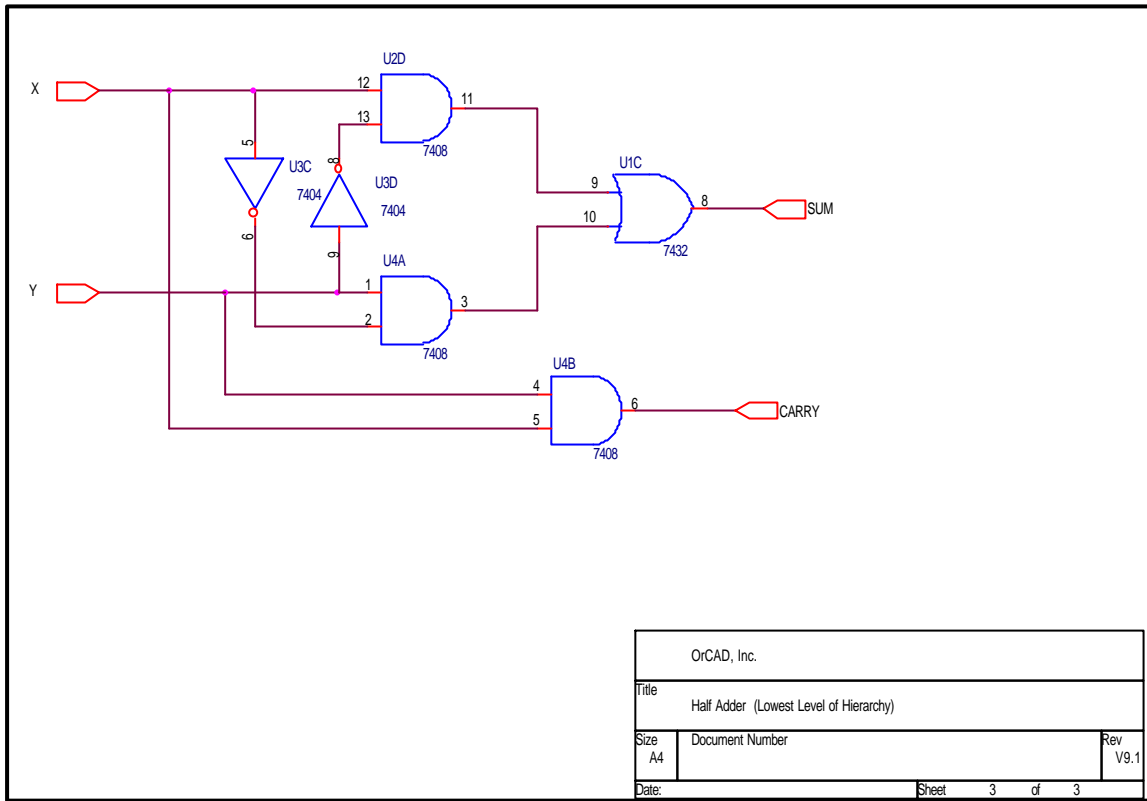


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Timer.upd - 메모장
파일(F) 편집(E) 서식(O) 도움말(H)
"{Value}"
"9U"
"0.01uF"
"500PF"
"100uF 16V"
"0.47uF"
"RD6A"
"LED1"
"2SC735"
"2N4871"
"C372"
"2.2K"
"1M"
"1K"
"470K"
"10K"
"330"
"100"
"470"
"20K"
"START"
"74LS00"
"NE555"
"PCB Footprint"
"BATTERY"
"CYL/D.200/LS.150/.031"
"CYL/D.175/LS.125/.031"
"CPCYL1/D.300/LS.100/.031"
"CYL/D.200/LS.150/.031"
"DAX1/.400X.080/.028"
"LED"
"T092/100"
"T092/100"
"T092/100"
"AX/.400X.100/.031"
"AX/.400X.100/.034"
"AX/.400X.100/.031"
"AX/.400X.100/.031"
"AX/.400X.100/.031"
"AX/.400X.100/.031"
"AX/.400X.100/.031"
"AX/.400X.100/.031"
"AX/.400X.100/.031"
"SWITCH1"
"DIP.100/14/W.300/L.700"
"SO6.050/8/WG.244/L.175"
  
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4. 전가산기 회로





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Fulladder.upd - 메모장
파일(F) 편집(E) 서식(O) 도움말(H)

"{Value}"           "PCB Footprint"
"7404"              "DIP.100/14/W.300/L.800"
"7408"              "DIP.100/14/W.300/L.800"
"7432"              "DIP.100/14/W.300/L.800"
  
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