

**HOPLA ZIPLA TOPLA OYUNU (Buton Say)**

Sheet: BTNLED  
File: BTNLED-.sch

Sheet: BTN  
File: BTN.sch

not: ütü ile Basarken:  
\* Top Copper Ters  
\* Bottom Copper düz  
\* top silk yazılar düz

**ilyas9461**  
Sheet: /  
File: btn\_say\_oyun.sch

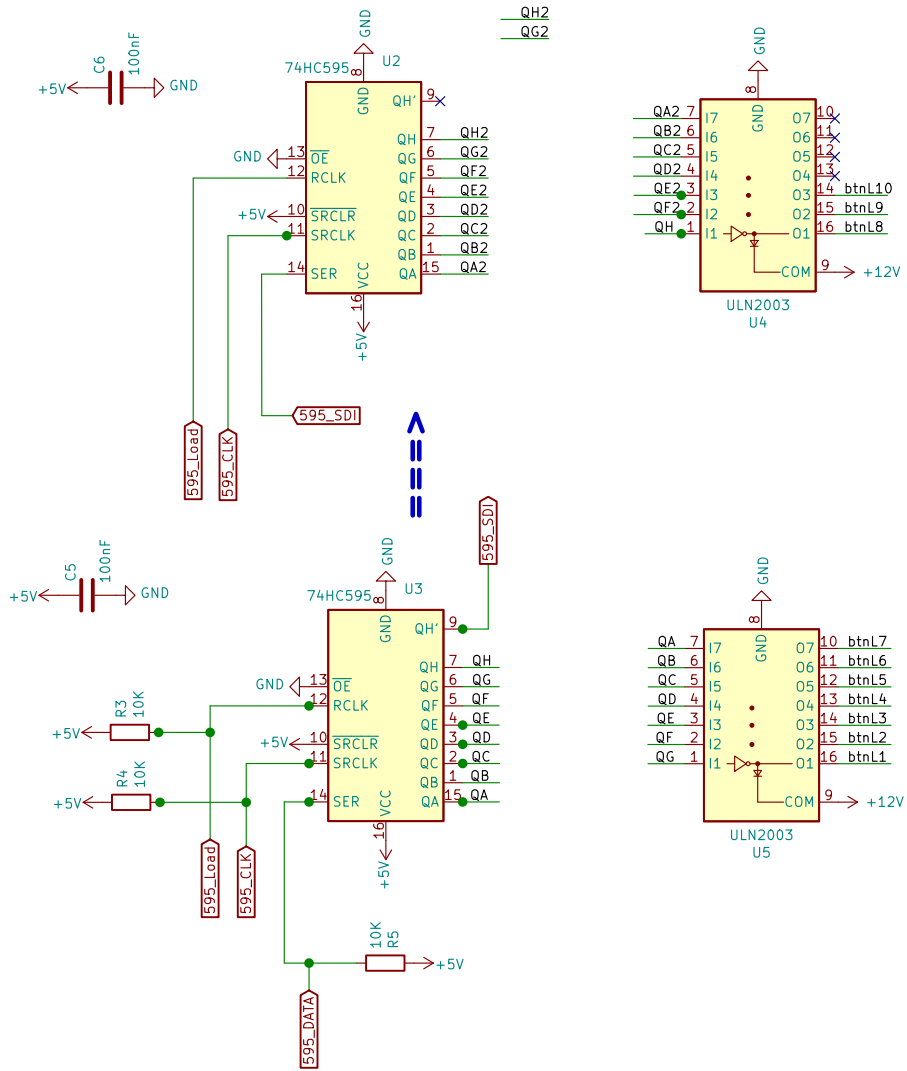
**Title: Buton Sayıcı Oyunu**

Size: A4	Date: 2021-09-06	Rev:
KiCad E.D.A. kicad (5.1.7)-1		Id: 1/3

- \* Top Copper Ters
- \*Bottom Copper düz
- \* top silk yazılar düz

Sheet: /  
File: btn\_say\_oyun.sch

Id: 1/3



btnLedGrup2  
Conn\_01x05

btnL10	5
btnL9	4
btnL8	3
btnL7	2
btnL6	1

Buton LED +12, power 12V + ya ,  
bir ucu(GND) klemense bağlanacak.  
Open Collector bağlantı.

btnLedGrup1  
Conn\_01x05

btnL5	5
btnL4	4
btnL3	3
btnL2	2
btnL1	1

ilyas9461

Sheet: /BTNLED/  
File: BTNLED-.sch

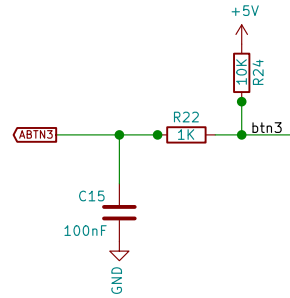
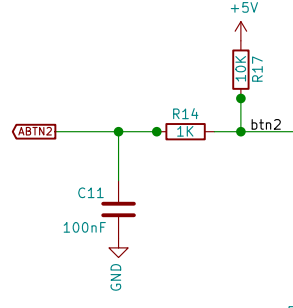
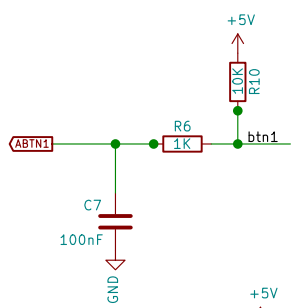
**Title: Buton Sayıcı Oyunu**

Size: A4 Date: 2021-09-06

KiCad E.D.A. kicad (5.1.7)-1

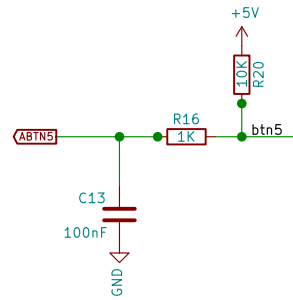
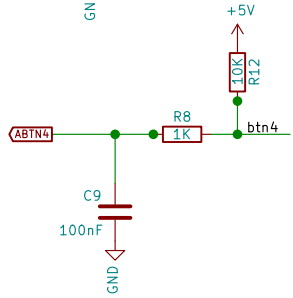
Rev:

Id: 2/3

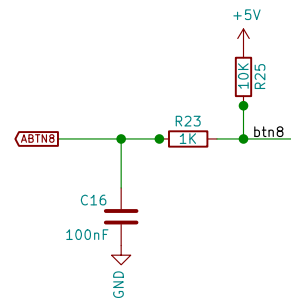
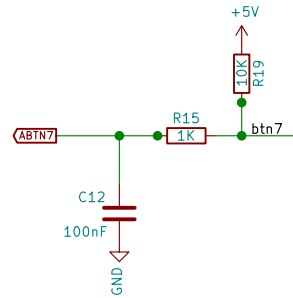
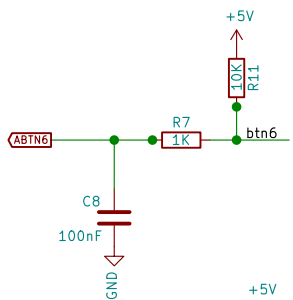


btnGrup1  
Conn\_01x05

btn1	5
btn2	4
btn3	3
btn4	2
btn5	1

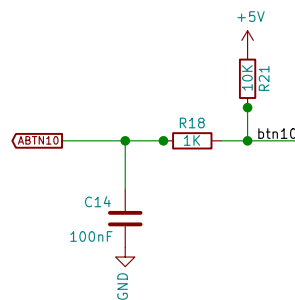
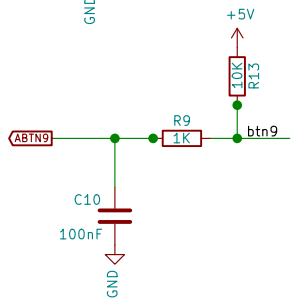


Butonların bir ucu GND ye,  
bir ucu klemense bağlanacak.



btnGrup2  
Conn\_01x05

btn6	5
btn7	4
btn8	3
btn9	2
btn10	1



ilyas9461

Sheet: /BTN/  
File: BTN.sch

**Title: Buton Sayıcı Oyunu**

Size: A4 Date: 2021-09-06

KiCad E.D.A. kicad (5.1.7)-1

**Rev:**  
Id: 3/3