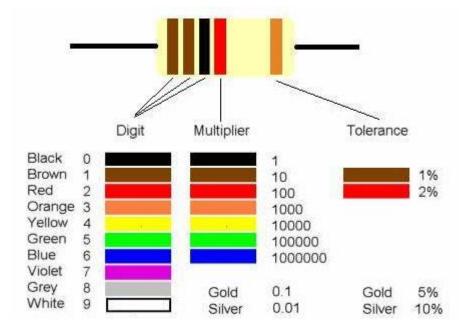
1) Direnc Okuma



Direncler 3 ya da 4 renkli olur, okunma sekli de su sekilde;

4 Renkli;

Digit1 - Digit2 - Digit3 - Digit Carpan - Tolerans



3 Renkli;

Digit1 - Digit2 - Digit Carpan - Tolerans



2) Direncler

a. 470 Ohm



Sari – Mor – Kahverengi – Altin 4-7-1 Tolerans: %5 47*10 = 470

b. 1K Ohm



c. 2.2K Ohm



d. 10K Ohm



e. 180 Ohm



Kahverengi – Gri – Kirmizi – Altin

1 – 8 – 1 Tolerans: %5

18*10 = 180

f. 22K Ohm



<mark>Kirmizi</mark> – <mark>Kirmizi</mark> – <mark>Turuncu</mark> – Altin

2 -2 - 3 Tolerans: %5 22*1000 = 22,000 = 22K

g. 1M Ohm



Kahverengi – Siyah – Yesil – Altin

1 – 0 – 5 Tolerans: %5

10*100,000 = 1,000,000 = 1M

h. 100K Ohm



Kahverengi – **Siyah** – **Sari** – Altin 1 – 0 – 4 Tolerans: %5 10*10,000 = 100,000 = 100K

3) Kapasitorler

a. Polarizayon Sembolu

Asagida eksi sembolu ve ok isareti ile – kutup gosterilmektedir.



b. 1 uF 25 V (Polarize)



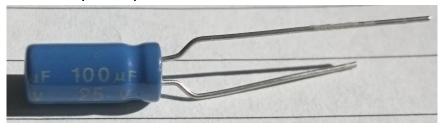
c. 10 uF 25 V (Polarize)



d. 10 uF 100 V (Polarize)



e. 100 uF 25 V (Polarize)



f. 1000 uF 35 V (Polarize)



g. 100 nF 100 V 103J100



h. 220 nF 63 V 224H63

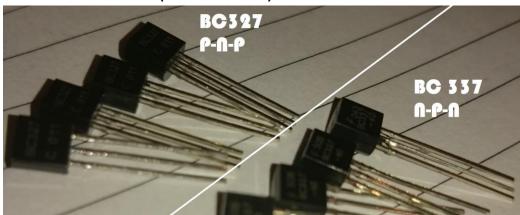


i. 100 nF Seramik



4) Transistorler

a. BC337 NPN & BC327 PNP (Ya da BC556 PNP)



5) Diyotlar

a. 1N4007



b. x

ITU-CON: Circuit Elements

6) Lojik Kapilar (Logic Gates)

a. AND

i. 74HC08

M74HCT08B1



b. OR

i. 74HC32

SN74HC32N



ITU-CON: Circuit Elements

c. NAND

i. 74HC20

SN74HC20N



d. NOR

i. 74HC02

SN74F02N



e. NOT

i. 74HC04

SN74HC04N



7) Tumlesik Devreler

a. TIMER LM555



b. LM393



c. LM358



d. 74HC74 Dual D Type Flip-Flop



e. 4017 COUNTER HCF4017BE



8) Guc Kaynaklari

a. 5V 1A



b. 9V 2A



c. X

9) Diger

a. LED'ler



b. Zil Teli (Tek Damarli)



c. Buton (2 ayakli)

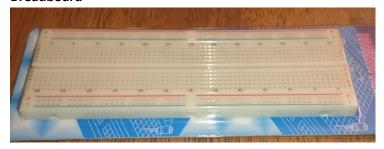


d. Buton (4 ayakli)

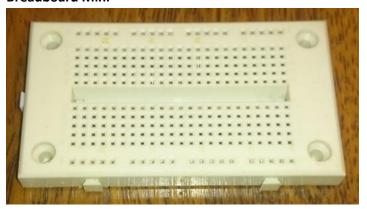


ITU-CON: Circuit Elements

e. Breadboard



f. Breadboard Mini



g. Kutu



h. Ara Kablo (Power -> Breadboard)



- i. X
- j. X