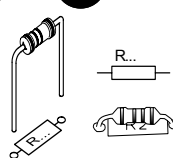


START

1

Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze



◇ R1 ... R5 : 1K

◇ R6 ... R9 : 100K

◇ R10, R11 : 0 ohm

(Brown, Black, Red) -(Bruin, Zwart, Rood) -(Brun, Noir, Rouge) -(Braun, Schwarz, Rot) -(Brun, Svart, Röd) -(Ruskea, Musta, Punainen) -(Marrón, Negro, Rojo) -(Castanho, Preto, Encarnado) -(Marrone, Nero, Rosso)

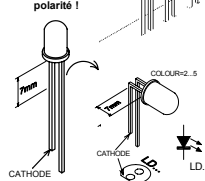
(Brown, Black, Yellow) -(Bruin, zwart, Geel) -(Brun, noir, Jaune) -(Braun, Schwarz, Gelb) -(Brun, Svart, Gul) -(Ruskea, Musta, Keltainen) -(Marrón, Negro, Amarillo) -(Castanho, Preto, Amarelo) -(Marrone, Nero, Giallo)

(Black) -(zwart) -(noir) -(Schwarz) -(Svart) -(Musta) -(Negro) -(Preto) -(Nero)

10

Led's

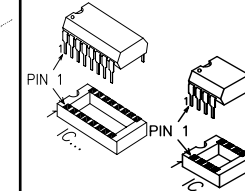
Watch the polarity !  
Attention à la polarité !



◇ LD1 ... LD3 : 3mm Red

11

IC's

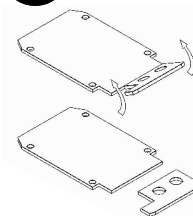


◇ IC1 : TC9413AP

◇ IC2 : VMK164 (programmed Pic12F629)

12

Assembly



4

Capacitors



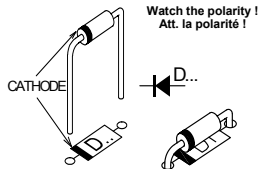
◇ C2 : 100nF (104)

◇ C3 : 100nF (104)

◇ C4 : 100nF (104)

2

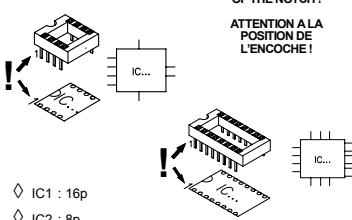
Diodes



◇ D1 ... D3 : 1N4148

3

IC-socket

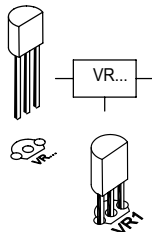


◇ IC1 : 16p

◇ IC2 : 8p

5

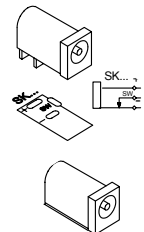
Voltage regulator



◇ VR1 : UA78L06

6

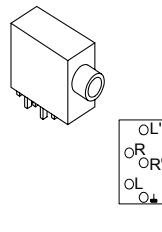
DC jack



◇ SK1 : 9 / 12V DC

7

Phone jack

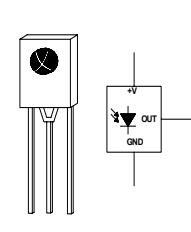


◇ SK2 : IN

◇ SK3 : OUT

8

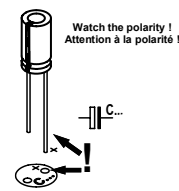
IR-receiver



◇ IRx1 : IR38DM

9

Electrolytic capacitor



◇ C1 : 100µF

◇ C5 ... C7 : 47µF

◇ C8 ... C11 : 4,7µF

Schematic diagram

