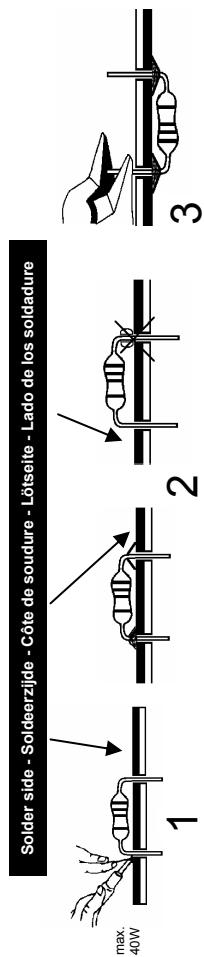


Soldering - Solderen - Soudage - Löten - Soldadura - Lödning - Juottami nen - Juottani nen - Saldatura - Solda

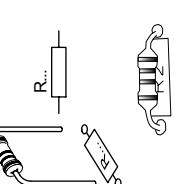
Solder side - Solderen - Côte de soudure - Lötseite - Lado de los soldadure



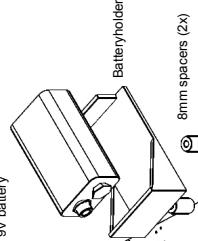
Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze

◊ R1 : 1K	(Brown, Black, Red) - (Braun, Zwart, Rood) - (Bun, Noir, Rouge) - (Braun, Schwarz, Rot) - (Brun, Svart, Röd) - (Ruskea, Musta, Punainen) - (Maron, Negro, Rojo) - (Castanho, Preta, Encarnado) - (Marrom, Preto, Rosso)
◊ R2 ... R4 : 18K	(Brown, Grey, Orange) - (Braun, Grau, Orange) - (Bun, Gris, Orange) - (Braun, Grau, Oranje) - (Brun, Grå, Orange) - (Ruskea, Harmaa, Oranssi) - (Maron, Grå, Oransje) - (Castanho, Cinzento, Laranja) - (Marrom, Grigio, Aranciato) - (Bed, Red, Pet) - (Rood, Rood, Rood) - (Rouge, Rouge, Rouge) - (Rot, Rot, Rot) - (Röd, Röd, Röd) - (Punainen, Punainen, Punainen) - (Röd, Röd, Röd) - (Encarnado, Encarnado, Encarnado) - (Rosso, Rosso, Rosso)
◊ R5 ... R18 : 2K2	(Green, Blue, Red) - (Groen, Blauw, Rood) - (Vert, Bleu, Rouge) - (Grün, Blau, Rot) - (Groen, Blau, Rood) - (Vihreä, Sininen, Punainen) - (Maron, Azul, Rojo) - (Verde, Azul, Encarnado) - (Verde, Blau, Rosso)
◊ R19, R20 : 5K6	

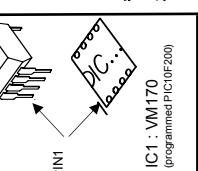
R...



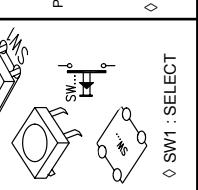
9V battery



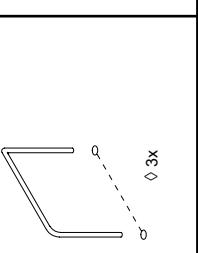
Batteryholder



IC



IC1



Push button

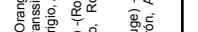


SW1



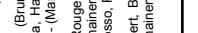
SELECT

Jumper



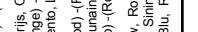
◊ 3x

LEDs

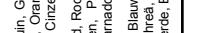


◊ 30 x

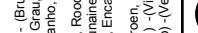
Transistor



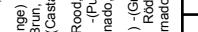
◊ 4



Zenerdiode



Watch the polarity!

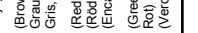


Attention à la polarité !



◊ 20 x

Condensator



◊ 10 x

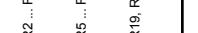
C...



◊ C1 : 100nF (104)



ZD1 : 4V7

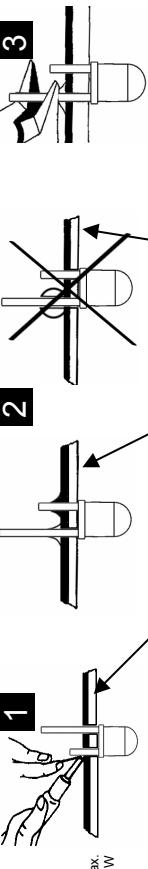


DC connector



◊

SK1



Component side - componentenzijde - Côte composants - Bauteileseite - Lado de los componentes

3

2

1

5

Battery

8mm spacers (2x)

Screw (2x)

IC

PIN1

SW...

SW1

SELECT

LED...

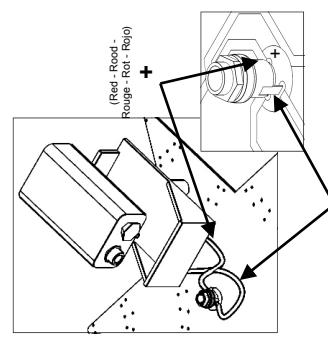
CATHODE

LD...

+

-

(Black - Zwart - Noir - Schwarze - Negro -



(Red - Rood - Rouge - Rot) +
(Black - Zwart - Noir - Schwarze - Negro -) -

