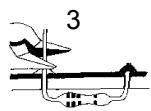
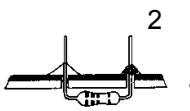
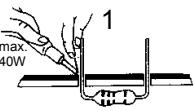
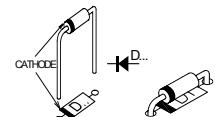


Soldering - Solderen - Soudage - Löten - Soldadura - Lödning - Juottami nen - Saldatura - Solda



START 1 DIODE

Watch the polarity!
Attention à la polarité!



◊ D1 : 1N4148

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

◊ R1 ... R5 : 820

R... ◊ R6 ... R9 : 470

◊ R10 ... R14 : 33K

◊ R15, R16 : 4K7

(Grey, Red, Brown) - (Gris, Rood, Bruin) - (Gris, Rouge, Brun) - (Grau, Rot, Braun) - (Grå, Röd, Brun) - (Harmaa, Punainen, Ruskeaa) - (Gris, Rojo, Marrón) - (Cinzento, Encarnado, Castanho) - (Grigio, Rosso, Marrone)

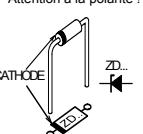
(Yellow, Purple, Brown) - (Geel, Paars, Bruin) - (Jaune, Violet, Brun) - (Gelb, Violet, Braun) - (Gul, Lila, Brun) - (Keltainen, Puppura, Ruskea) - (Amarillo, Morado, Marron) - (Amarelo, Violeta, Cascarinho) - (Giallo, Viola, Marrone) - (Gul, Violet, Brun)

(Orange, Orange, Orange) - (Oranje, Oranje, Oranje) - (Oranssi, Oranssi, Oranssi) - (Naranjado, Naranjado, Naranjado) - (Laranja, Laranja, Laranja) - (Aranciato, Aranciato, Aranciato)

(Yellow, Purple, Red) - (Geel, Paars, Rood) - (Jaune, Violet, Rouge) - (Gelb, Violet, Rot) - (Gul, Lila, Rød) - (Keltainen, Purppura, Punainen) - (Amarillo, Morado, Rojo) - (Amarelo, Violeta, Encamado) - (Giallo, Viola, Rosso)

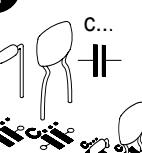
3 ZENERDIODE

Watch the polarity!
Attention à la polarité!



◊ ZD1 : 5V1

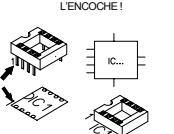
4 CAPACITORS



◊ C1, C3 : 100nF (104)
◊ C2 : 22pF (22)

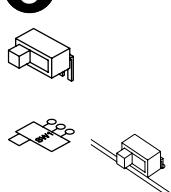
5 IC SOCKET

WATCH THE POSITION OF THE NOTCH!!
ATTENTION A LA POSITION DE L'ENCOUCHE!!



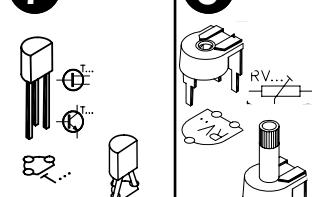
◊ IC1 : 8p

6 Switch



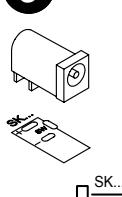
◊ SW2 : ON/OFF

7 TRANSISTORS



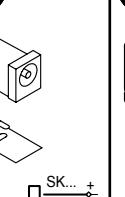
◊ T1 ... T5 : BC547C

8 TRIMMER



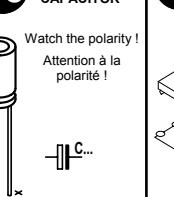
◊ RV1 : 100K

9 POWER JACK



◊ SK1

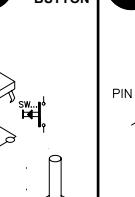
10 ELECTROLYTIC CAPACITOR



Watch the polarity!
Attention à la polarité!

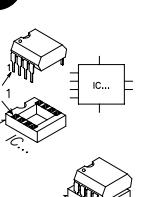
◊ C4 : 100µF / 16 V

11 PUSH BUTTON



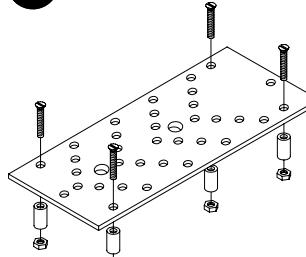
◊ SW1: Mode

12 IC

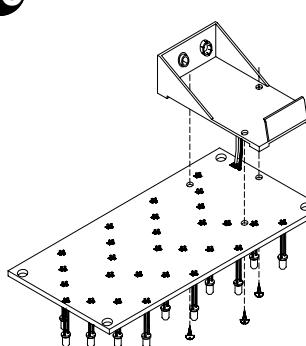


◊ IC1 : VMK176
(programmed PIC12F629)

13 SPACERS



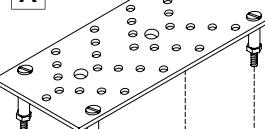
15 BATTERY



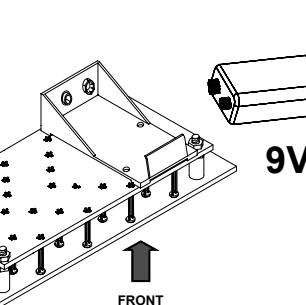
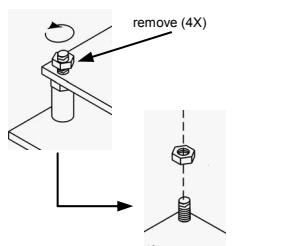
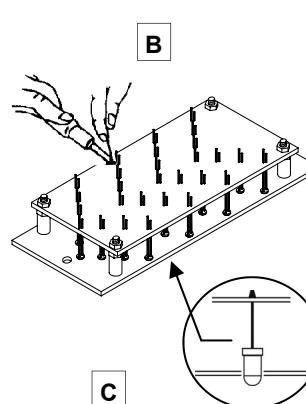
14 LEDs

Watch the polarity!
Attention à la polarité!

A



B



FRONT