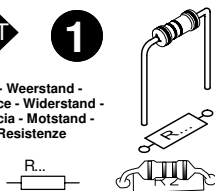


START

1

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



◇ R1 : 560

◇ R2 : 10K

◇ R3 ... R9 : 100

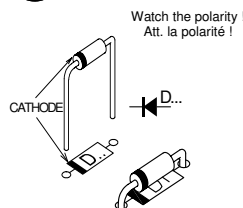
(Green, Blue, Brown) - (Groen, Blauw, Bruin) - (Vert, Bleu, Brun) - (Grün, Blau, Braun) -
(Grön, Blå, Brun) - (Vihreä, Sininen, Ruskea) - (Marrón, Azul, Marrón) - (Verde, Azul,
Castanho) - (Verde, Blu, Marrone)

(Brown, Black, Orange) - (Bruin, Zwart, Oranje) - (Brun, noir, Orange) - (Braun, Schwarz,
Orange) - (Brun, Svart, Orange) - (Ruskea, Musta, Oranssi) - (Marrón, Negro, Naranjaado) -
(Castanho, Preto, Laranja) - (Marrone, Nero, Aranciato)

(Brown, Black, Brown) - (Bruin, zwart, Brown) - (Brun, noir, Brun) - (Braun, Schwarz, Braun) -
(Brun, Svart, Brun) - (Ruskea, Musta, Ruskea) - (Marrón, Negro, Marrón) - (Castanho, Preto,
Castanho) - (Marrone, Nero, Marrone)

2

Diode

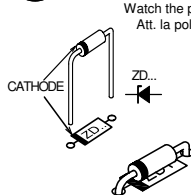


Watch the polarity !
Att. la polarité !

◇ D1 : 1N4007

3

Zenerdiode



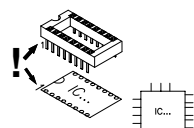
Watch the polarity !
Att. la polarité !

◇ ZD1: 5V1 / 500mW

4

IC-socket

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



◇ IC1 : 14p

5

Capacitors



◇ C1 : 100nF (104)

◇ C2 : 100nF (104)

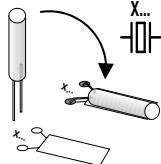
◇ C3 : 100nF (104)

◇ C6 : 22pF (22)

◇ C7 : 22pF (22)

6

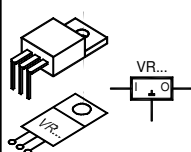
Crystal



◇ X1 : 32,76kHz.

7

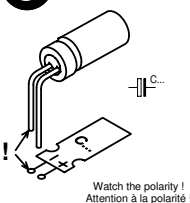
Voltage regulator



◇ VR1 : UA7809

8

Electrolytic capacitor

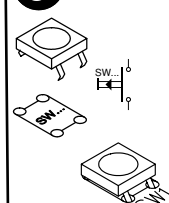


◇ C4 : 100µF / 25V

◇ C5 : 100µF / 25V

9

Push button



◇ SW1 : KRS0610

10

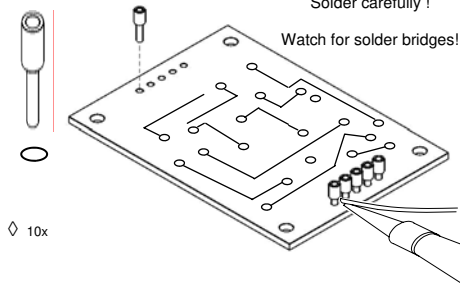
DC female plug



◇ SK1 : 9 - 12VDC / 150mA

11

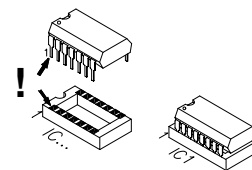
Tulip pinheader



◇ 10x

12

IC



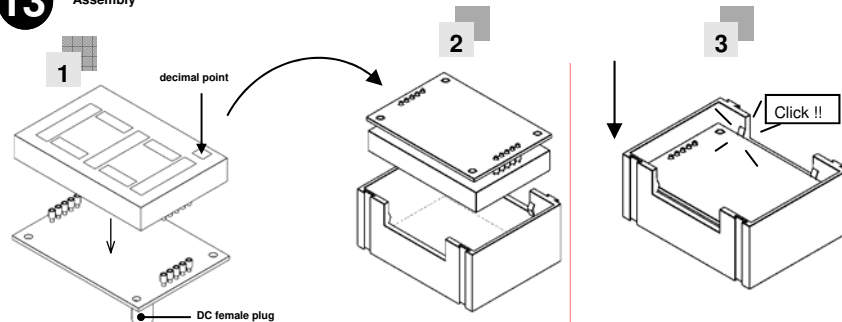
◇ IC1 : PIC16F630

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



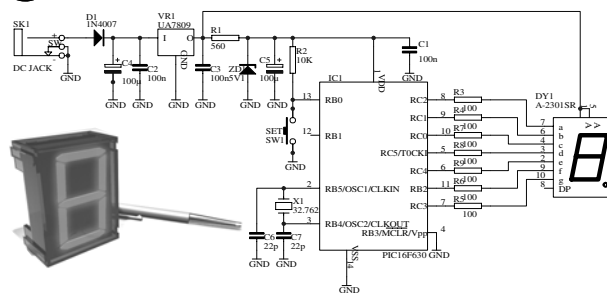
13

Assembly



14

Diagram



15

Manual

Connect a 9 - 12V DC power supply

To blank display : short press.
To show time : press again

- ◇ To set clock : Hold button. First digit blinks.
- ◇ Repeatedly press button to set digit.
- ◇ Hold button to set next digit.
- ◇ When all digits are set, 'P' is displayed.
- ◇ Press button briefly to start clock.