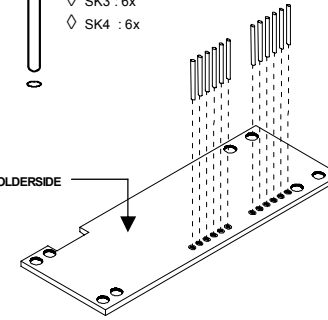


13

Jumpers

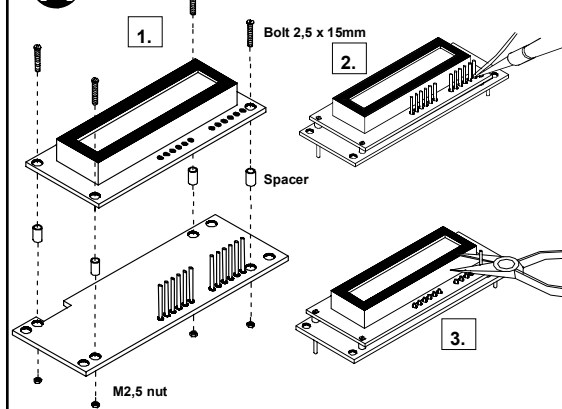
- ◇ SK3 : 6x
- ◇ SK4 : 6x

SOLDSIDE



14

PCB assembly



START

1

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

◇ R1 : 1K

(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)

◇ R2 ... R7 : 10K

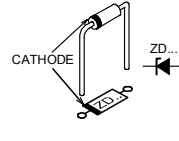
(Brown, Black, Orange) -(Bruin, Zwart, Oranje) -(Brun, noir, Orange) -(Braun, Schwarz, Orange) -(Brun, Svart, Orange) -(Ruskea, Musta, Oranssi) -(Marrón, Negro, Naranjado) -(Castanho, Preto, Laranja) -(Marrone, Nero, Aranciato)



2

Zenerdiode

Watch the polarity!
Att. A la polarité!

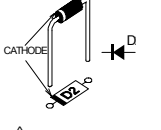


◇ ZD1 : 5V1

3

Diode

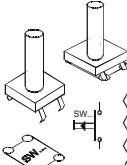
Watch the polarity!
Att. A la polarité!



◇ D1 : 1N4007

4

Push button

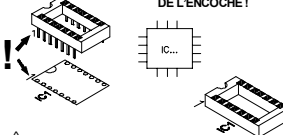


- ◇ SW1 : UP
- ◇ SW2 : SPACE
- ◇ SW3 : DOWN
- ◇ SW4 : ENTER

5

IC-socket

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



◇ IC1 : 14p

6

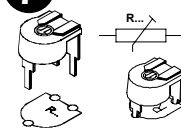
Capacitors



- ◇ C2 : 100nF (104)
- ◇ C3 : 100nF (104)
- ◇ C4 : 100nF (104)

7

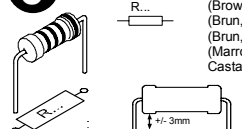
Trimmer



◇ RV1 : 1K

8

Resistor

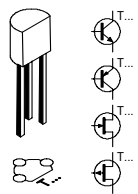


◇ R8 : 100E

(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)

9

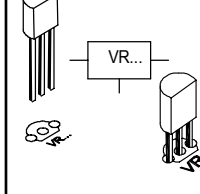
Transistor



◇ T1 : BC547C

10

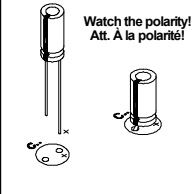
Voltage regulator



◇ VR1 : UA78L05

11

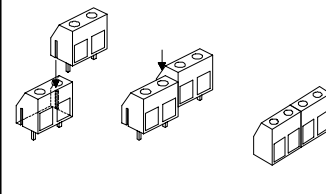
Electrolytic capacitor



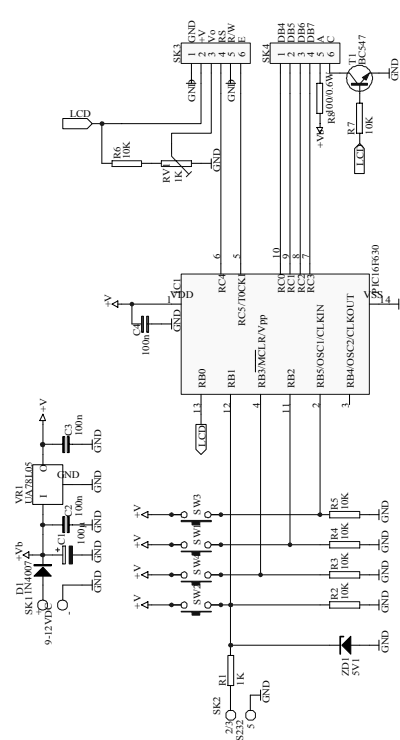
◇ C1 : 100µF / 16V

12

Screw connectors

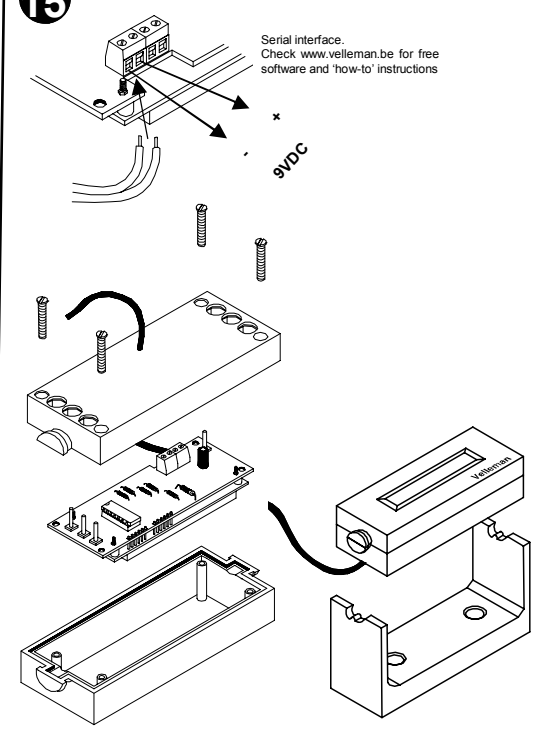


- ◇ SK1 : 2p -/+
- ◇ SK2 : 2p GND/RSX



15

Final assembly



Serial interface.
Check www.velleman.be for free
software and 'how-to' instructions

9VDC