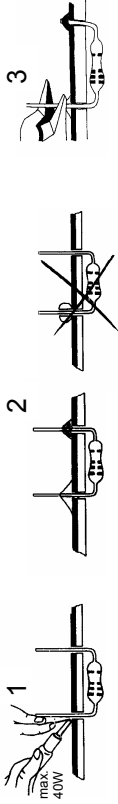


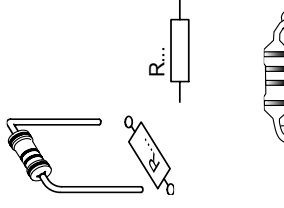
Soldering - Solderen - Soldage - Lötten - Soldadura - Lötning - Juottaminen - Soldatura - Solda



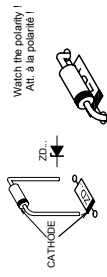
1 START

Resistor - Weerstand - Résistance - Widerstand - Resistência - Nostrand - Vastus - Resistenze

- ◇ R1, R2 : 330
- ◇ R3 : 470
- ◇ R4 : 100K
- ◇ R5 : 47K
- ◇ R6, R7 : 4K7
- ◇ R8 : 10K
- ◇ R9 : 10
- ◇ R10 : 1K2

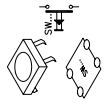


2 Zenerdiode



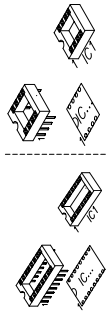
◇ ZD1 : 3V0

3 Pushbutton



- ◇ SW2 : vibrato voice
- ◇ SW3 : High voice
- ◇ SW4 : Low voice
- ◇ SW5 : Robot voice

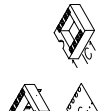
4 IC-socket



◇ IC1 : 16p

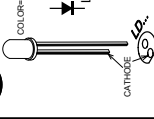
◇ IC2 : 8p

5 Slide switch



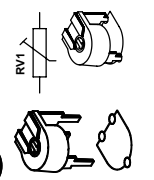
◇ SW1 : On / Off (power)

6 Leds



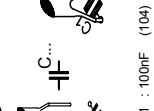
- ◇ LD1 : RED (Power ON)
- ◇ LD2 : RED (modulation)

7 Horizontal trimmer



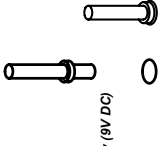
◇ RV1 : 47K (Micro sensitivity)

8 Capacitors



- ◇ C1 : 100nF (104)
- ◇ C2 : 100nF (104)
- ◇ C3 : 100nF (104)
- ◇ C4 : 100nF (104)

9 PCB tabs



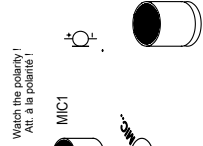
SK1 : Supply (9V DC)

- ◇ +
- ◇ -

SK2 : Speaker

- ◇ +
- ◇ -

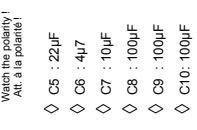
10 Microphone



MIC1

◇ Mic1

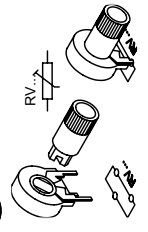
11 Electrolytic capacitors



Watch the polarity !
Att. à la polarité !

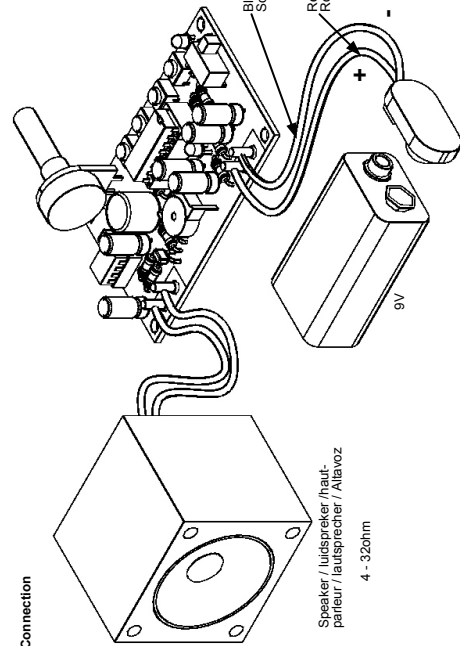
- ◇ C5 : 22µF
- ◇ C6 : 4µ7
- ◇ C7 : 10µF
- ◇ C8 : 100µF
- ◇ C9 : 100µF
- ◇ C10 : 100µF

12 Vertical trimmer



◇ RV2 : 220ohm (volume)

13 Connection



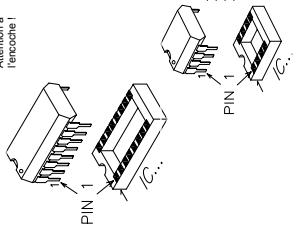
Speaker / luidspreker / haut-
parleur / luidspreker / Altavoz
4 - 320hm



Black - Zwart - Noir -
Schwarz - Negro

Red - Rood - Rouge -
Rot - Rojo

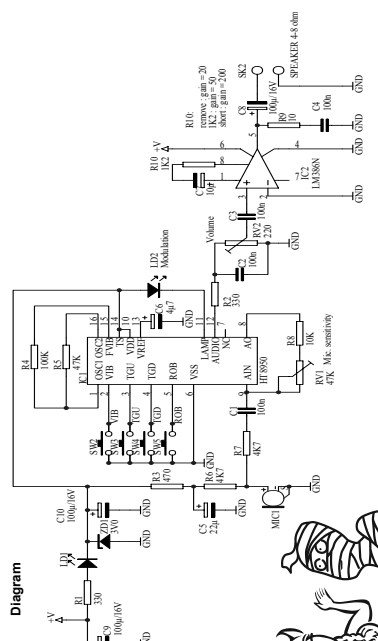
14 IC



Watch the notch !
Attention à l'encoche !
Feroche !

- ◇ IC1 : HT8950
- ◇ IC2 : LM388N

15 Diagram



High voice

Low voice