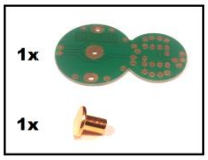
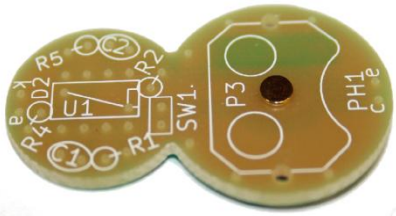
Dominoux

Solder the golden battery contact. Insert it on the brown side of the PCB.

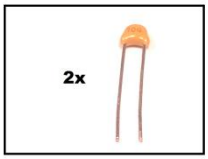


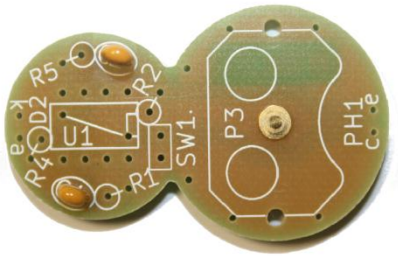


1

Solder capacitor C1 et C2
No need to orient them.

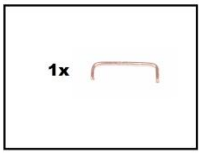
C1 : 10nF (104)
C2 : 10nF (104)

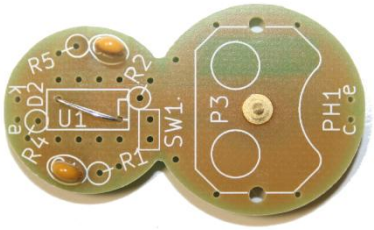




2

Install and solder a strap under U1 (bend a capacitor leg after you cut it during previous step)

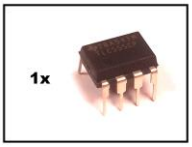


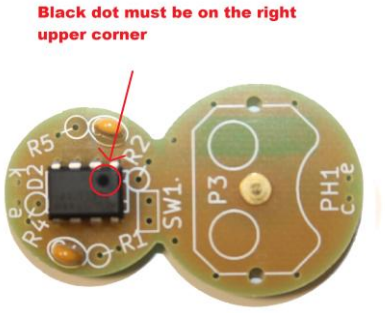


3

Solder integrated circuit U1
Pay attention to its orientation !

U1 : NE555

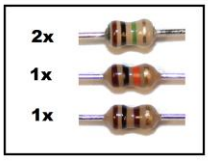


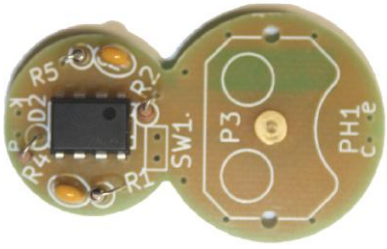


4

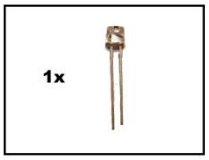
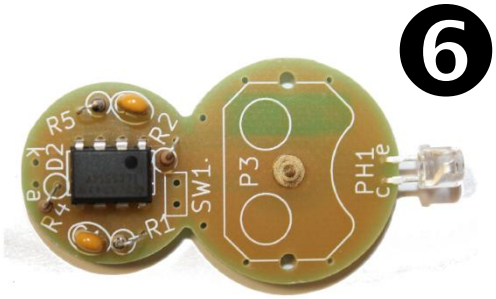
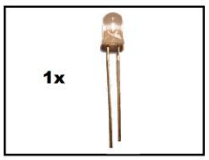
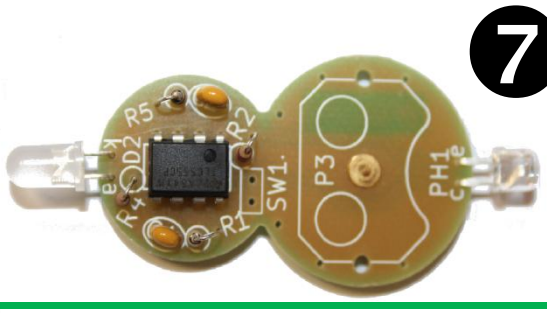
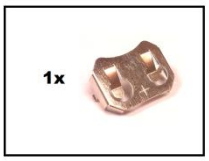
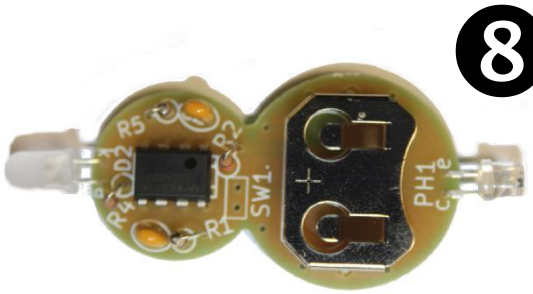
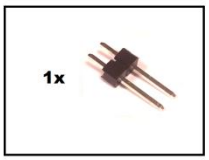
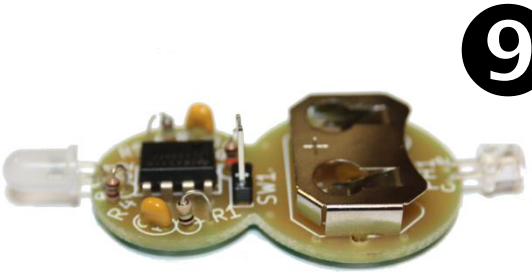
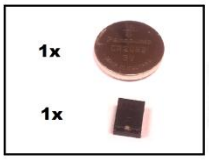
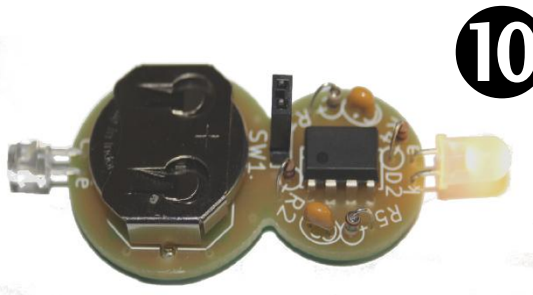
Solder resistors R1, R2, R4 and R5 vertically

R1, R5 : 1MΩ (brown-black-green)
R2 : 10 kΩ (brown-black-orange)
R4 : 100Ω (brown-black-brown)





5

Solder phototransistor PH1 (flat headed) **The shorter leg goes into the "c" hole**	 
Solder led D2 (round headed) **The shorter leg goes into "k" hole**	 
Solder the battery holder (silkscreen contour is a guideline)	 
Solder connector SW1 (insert shorter side of legs in)	 
Insert battery and jumper **Your Dominoux should blink once** **If so, you're ready to play !**	 

More information at :

http://wiki.electrolab.fr/Projets:Lab:2011:Dominoux