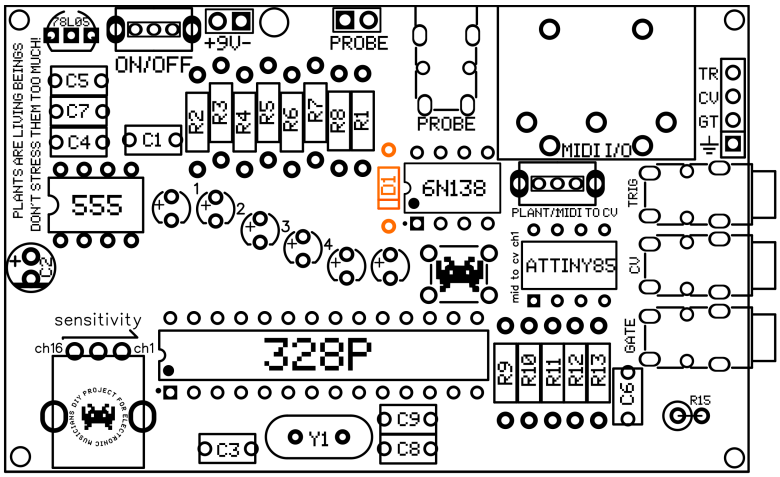
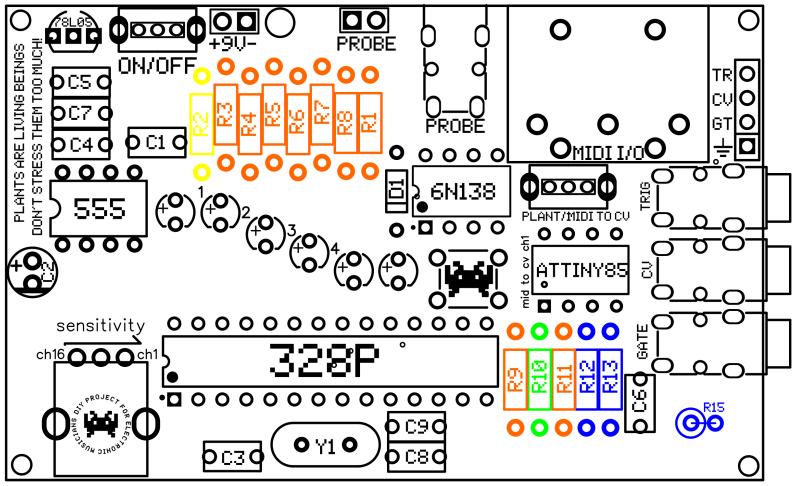
SYMBIOTIC ASSEMBLY INSTRUCTIONS

HI THANKS FOR YOUR SUPPORT, HERE IS A QUICK GUIDE ON HOW TO ASSEMBLE YOUR SYMBIOTIC KIT

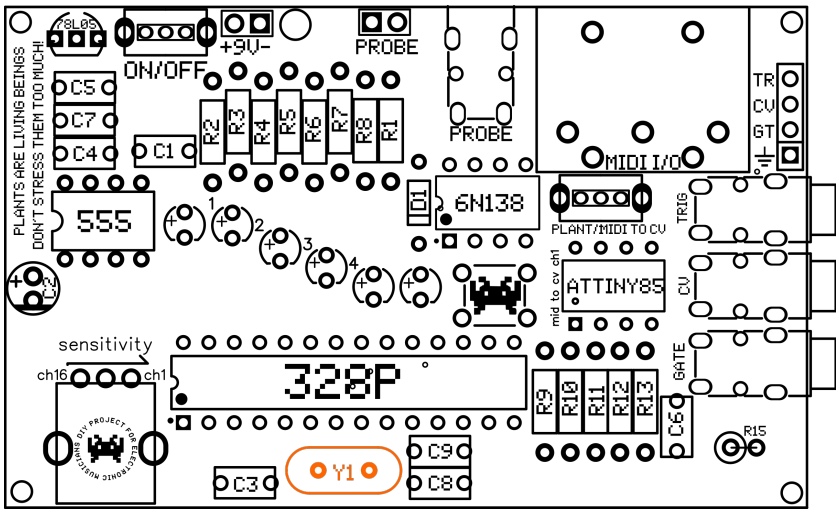
STEP 1: 1N914
CHECK THE POLARITY,
PLACE THE BLACK STRIP
AS FOOTPRINT ON PCB



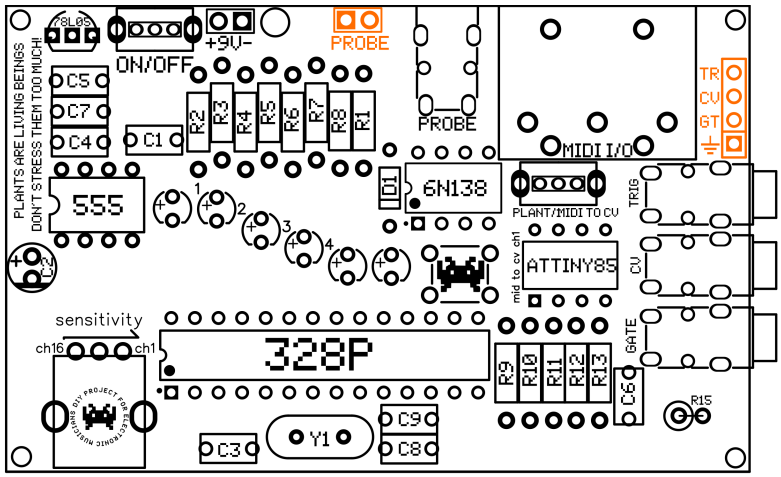
RESISTORS:
100K: R2
220R: R1;R3;R4;R5;
R6;R7;R8;R9;R11
1K: R12;R13;
R15(PLACE IT AFTER THE J.SOCKET)
4,7K: R10



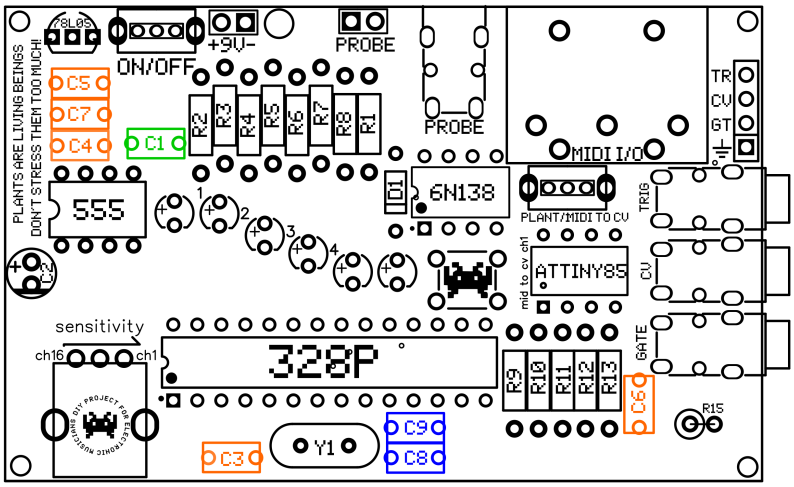
16MHZ OSCILLATOR



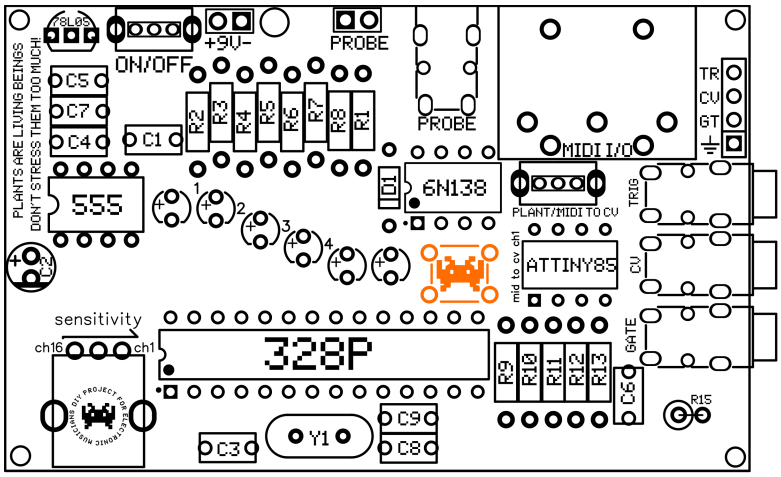
PIN HEADERS:
PROBE: 1X2 PIN
ANALOG OUTS: 1X 4 PIN



CERAMIC CAPACITORS:
104: C3;C4;C5;C6;C7
22: C8;C9
472: C1



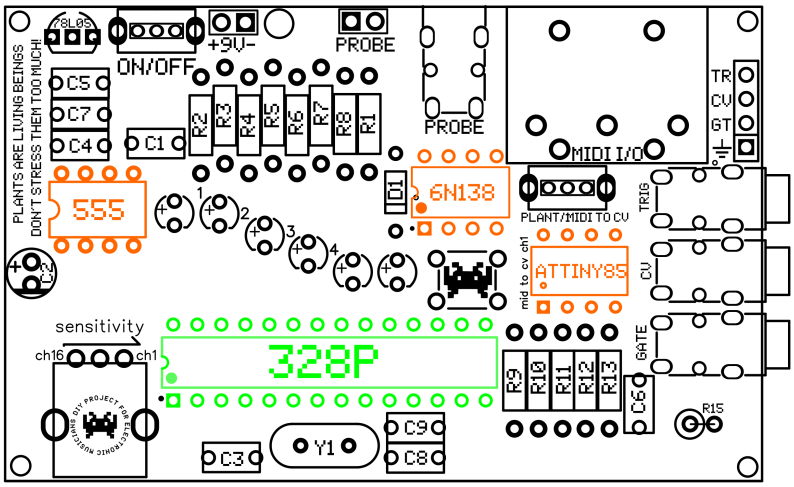
TACTLE BUTTON:



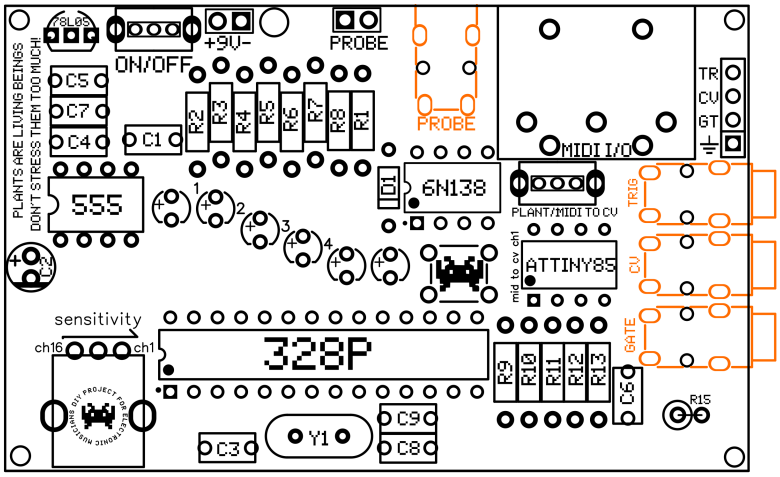
IC SOCKET:

8 PIN

28 PIN

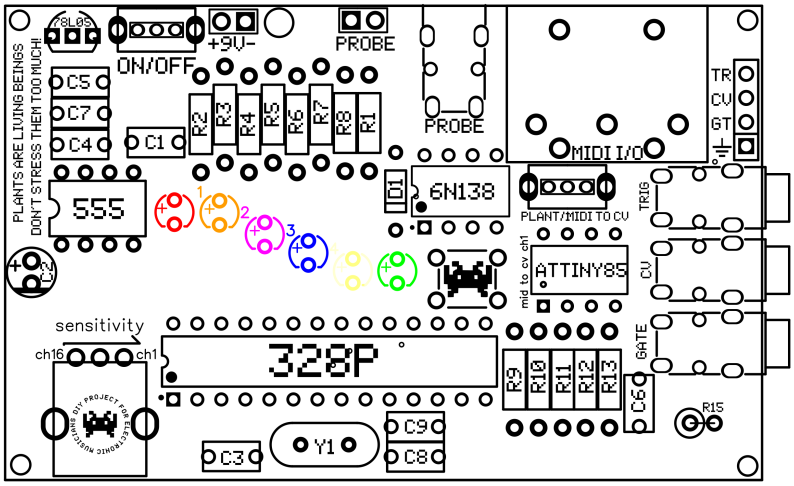


JACK SOCKET:



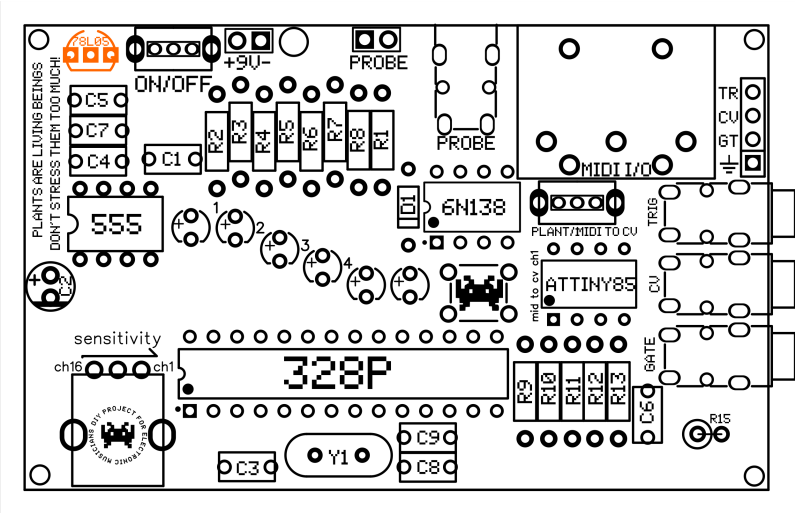
LEDS:

CHECK THE POLARITY
THE LONG LEG IS THE
POSITIVE PIN



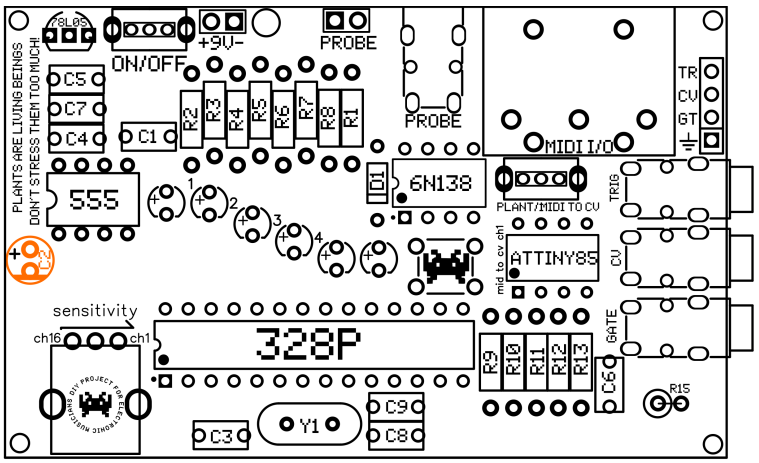
VOLTAGE REGULATOR:

PLACE IT AS THE DRAW ON THE PCB

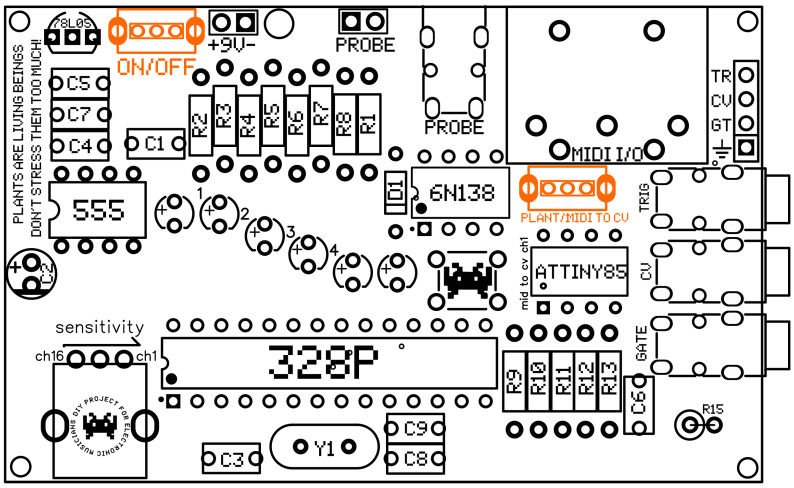


ELECTROLYTIC CAPACITOR :

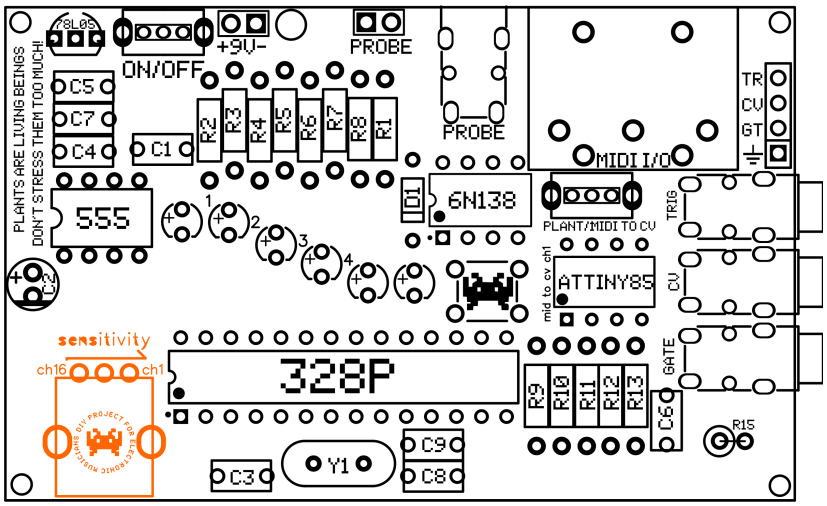
C2: 47UF
CHECK THE POLARITY
THE LONG LEG IS THE POSITIVE PIN



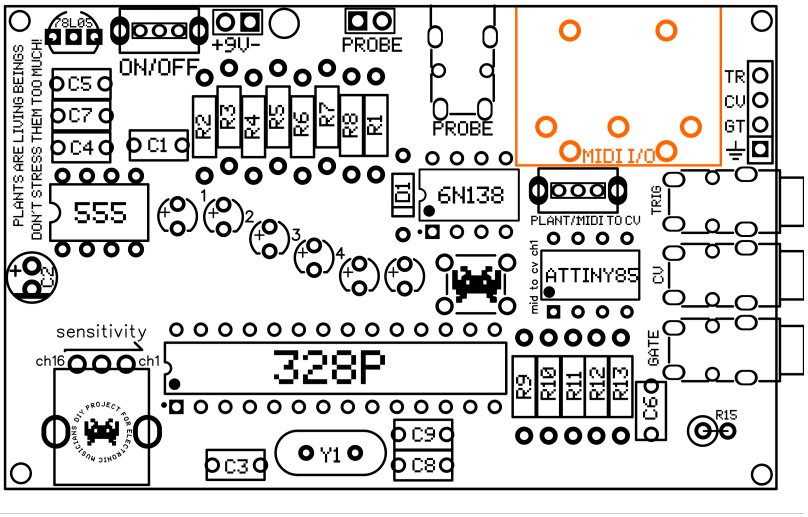
SWITCHS:



POTENTIOMETER:

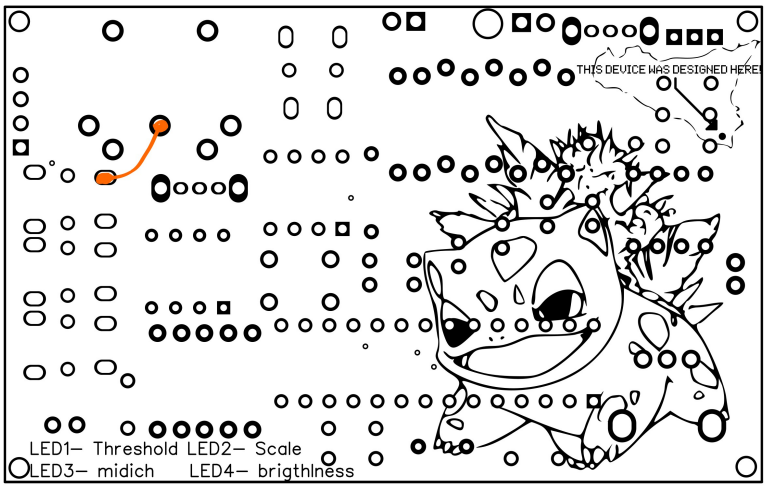


MIDI SOCKET:

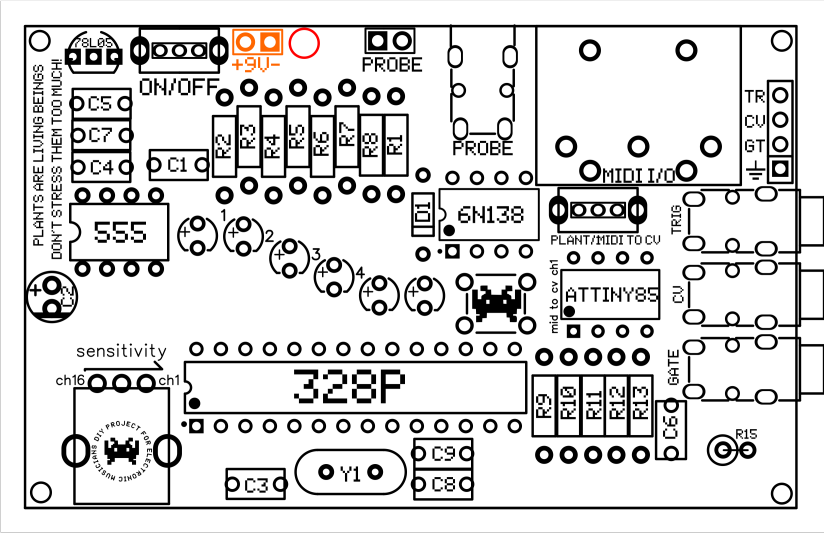


JUMPER WIRE ON BACK:

THIS CONNECTION IS USED TO MAKE THE WHOLE MIDI TO CV CONVERSION CIRCUIT WORK,
IT CAN BE MAKE WITH A SMALL CABLE OR BETTER WITH A SMALL CUT RESIDUE OF A RESISTO
(BUT BE CAREFUL NOT TO CREATE FALSE CONTACTS WITH OTHER SOLDERING POINTS NEARBY

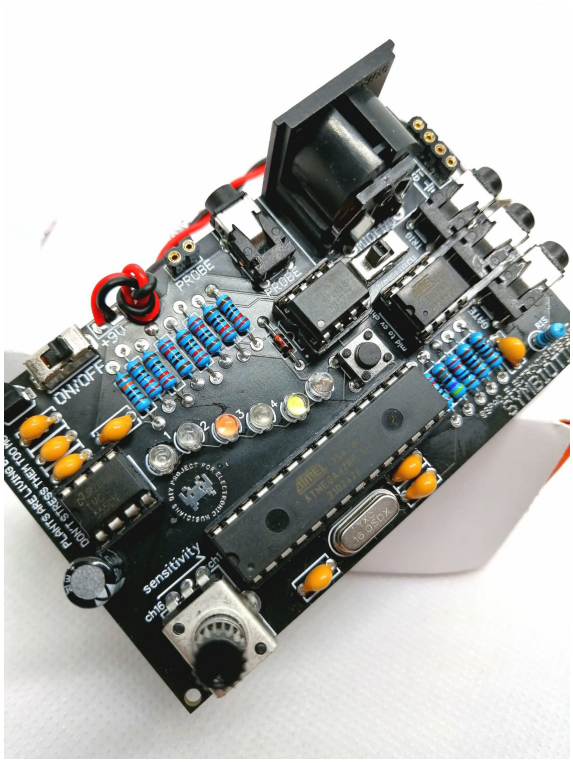


9V BATTERY CLIP:
BEFORE SOLDERING
THE CABLE,
PASS IT THROUGH THE HOLE
INDICATED IN THE RED
PHOTO AND TIE A
KNOT ON ITSELF,
THIS WILL PREVENT
THE CABLE FROM
COMING OFF WHERE
IT IS SOLDERED.
THEN SOLDER
THE RED CABLE ON THE + AND THE BLACK CABLE ON THE -



NOW INSERT THE IC'S IN ITS RESPECTIVE SOCKETS
PAY ATTENTION TO THE POLARITY EACH IC HAS A HALF MOON OR A SMALL DOT ON PIN 1 PUT IT IN CORRESPONDENCE WITH THE DRAWING ON THE PCB

WELL DONE YOU ARE DONE ASSEMBLING YOUR SYMBIOTIC, NOW YOU SHOULD HAVE SOMETHING VERY SIMILAR TO THIS!



OOOH NO! MY DEVICE NOT WORKING!

TRY TO FIX IT WITH THIS CHECK LIST:

-CHECK THE POLARITY OF POLARIZED COMPONENT AS IC,E.CAP, LEDS,

-9V BATTERY CLIP.

CHECK IF YOUR 9V BATTERY IS CHARGED

-CHECK THE SOLDER POINT MANY TIMES CAN BE A COLD OR MORE HOT SOLDER TO MAKE A FALSE CONTACT

IF THIS LIST OF CHECK DONT RESOLVE YOUR PROBLEM CONTACT US ON INSTAGRAM OR FACEBOOK CHAT AND SEND US SOME VIDEO AND PICS OF PROBLEM WE TRY TO FIX IT TOGHETER.W

HAVE A FUN AND MAKE SOME NOISE!