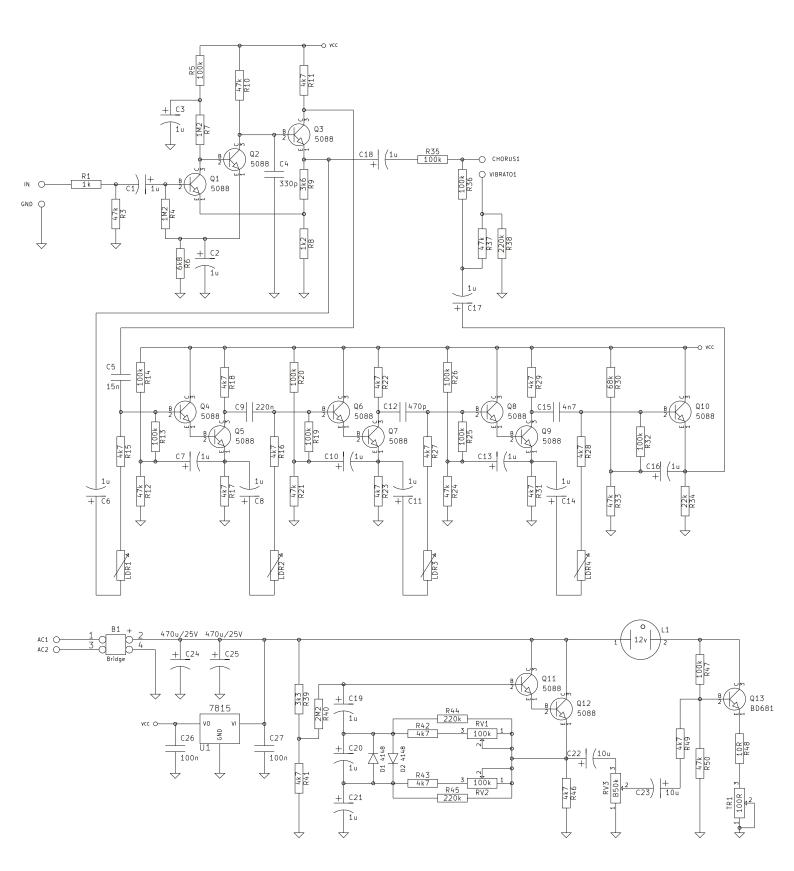
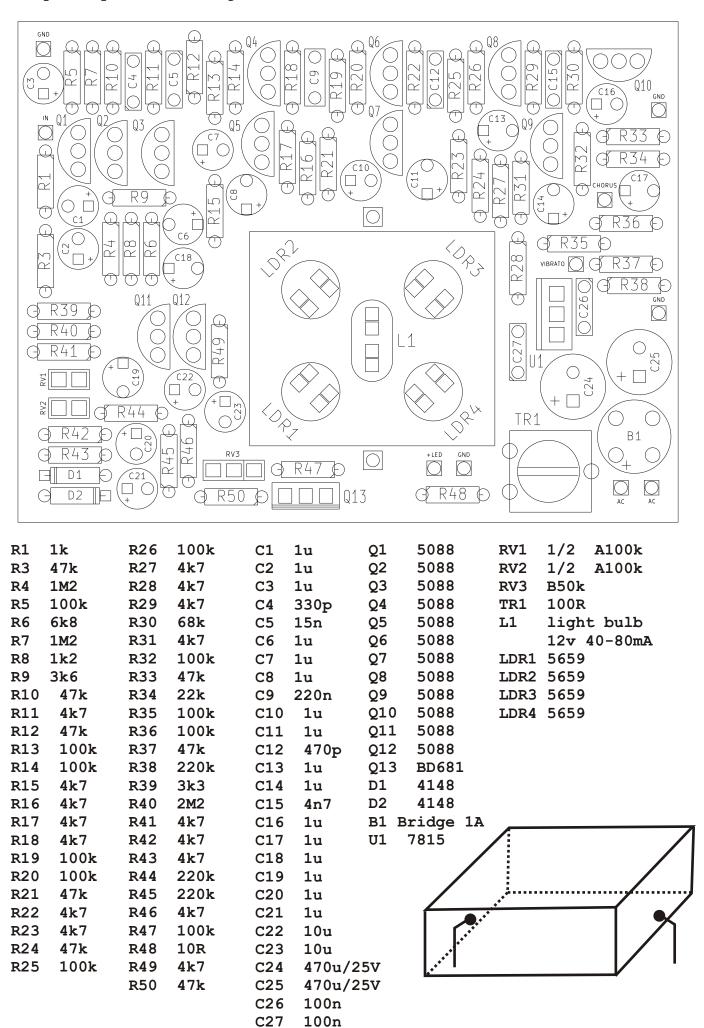
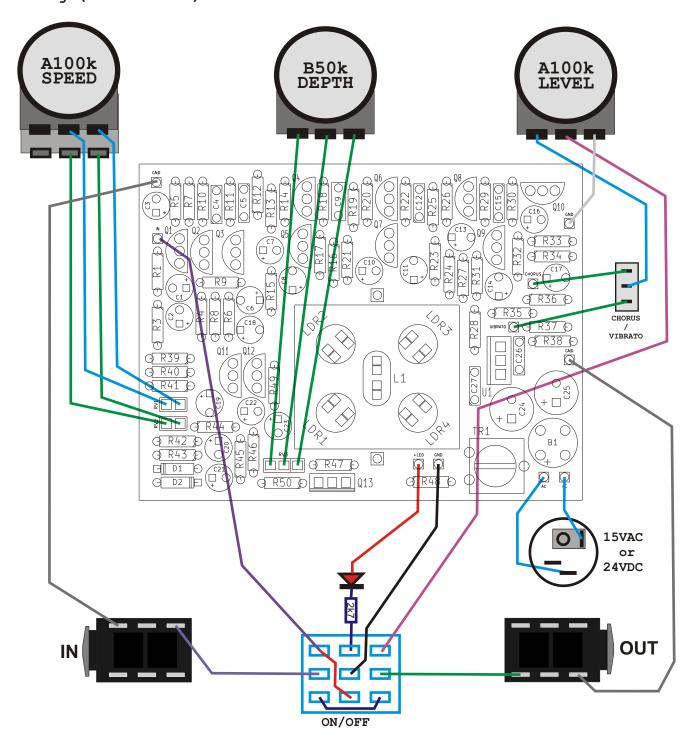
Univibe schematic: 22.02.2019





Wiring (bottom view):



Power supply: 15V AC > 200mA or better (for less hum) 24V DC regulated. Make light reflecting can from pcb solder side inside.

Set trimpot TR1 (in dark room) to get light bulb barely flash with depth pot on 9'o clock.

Use metal enclosure connected to ground.

Bill of materials:

Resistors: 10R 1pcs. "R48" 1k 1pcs. "R1" 1k2 1pcs. "R8" 2k7 1pcs. "LED" 3k3 1pcs. "R39" 3k6 1pcs. "R9" 4k7 16pcs. "R11 R15 R16 R17	Capacitors: 330p 1pcs. "C4" 470p 1pcs. "C12" 4n7 1pcs. "C15" 15n 1pcs. "C5" 100n 2pcs. "C26 C27" 220n 1pcs. "C9" Electrolytic capacitors: 1u 16pcs. "C1 C2 C3 C6 C7 C8
<u> -</u>	
-	
B50k 1pcs. 100R Trimpot 1pcs.	
TOOK TITHHOU THES.	
Other	

Other:

Light bulb 12v 40-80mA 1pcs.
Photoresistor 5659 4pcs.
Knobs 3pcs.
Jack socket 2pcs.
DC socket 5.5/2.1 1pcs.
Footswitch 3PDT 1pcs.
Switch MTS102 1pcs.

Resistor color code:



 $390 \times 10\Omega = 3.9 \text{k}\Omega$

Color	Band 1	Band 2	Band 3	Multiplier	Tolerance
Black	0	0	0	1 Ω	
Brown	1	1	1	10 Ω	1%
Red	2	2	2	100 Ω	2%
Orange	3	3	3	1k Ω	
Yellow	4	4	4	10 kΩ	
Green	5	5	5	100 kΩ	0,5%
Blue	6	6	6	1 ΜΩ	0,25%
Purple	7	7	7	10 ΜΩ	0,1%
Gray	8	8	8	100 ΜΩ	0,05%
White	9	9	9	1 GΩ	
Gold				0,1 Ω	5%
Silver				0,01 Ω	10%

Capacitors markings:

```
471 = 47 \times 10^{1} pF = 470pF
 472 = 47 \times 10^2 \text{ pF} = 4700 \text{pF} = 4,7 \text{nF}
 473 = 47 \times 10^{3} \, \text{pF} = 47000 \, \text{pF} = 47 \, \text{nF}
 474 = 47 \times 10^4 \, \text{pF} = 470000 \, \text{pF} = 470 \, \text{nF}
 100pF =
              100p
                             100
                                    = 101
 220pF = 220p =
                             220
                                    = 221
 4,7nF = 10nF =
                      = 0.0047
                                    = 472
               4n7
                      = 0.01
                                    = 103
                10n
 100nF = 100n = 0.1
220nF = 220n = 0.22
                                   = 104
= 224
 470nF = 470n = 0.47 = 474
1000nF = 1uF = 1u
                                    =
                                        105
```