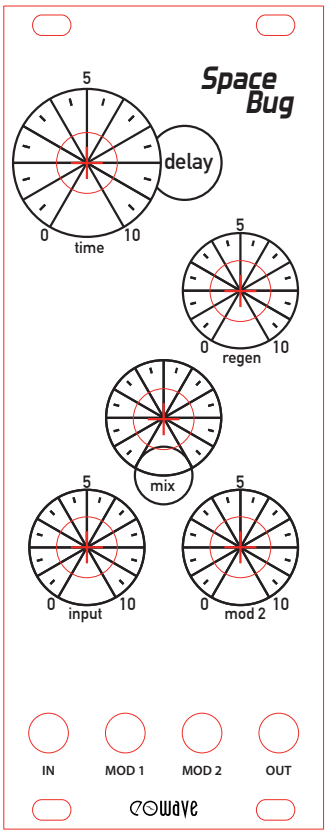



If you have any queries about the mounting process do not hesitate to contact us on this address - info@eowave.com

Inputs :
Audio in
Modulation input 1
Modulation input 2

Outputs :
Audio out

5 Potentiometers;
time : delay time
regen : delay regeneration or feedback
mix : variable mix between wet and dry signal
input : input level amout
mod 1 : modulation input attenuation

**This kit is not for beginners, you should have soldering skills and you must know the correct direction to install ICs and capacitors. Eowave is not responsible if you solder a component in the wrong direction or if by consequence the component(s) is destroyed**

**Read the instructions carefully before starting to solder.**
**Use the pictures to verify the placement if you have doubts**

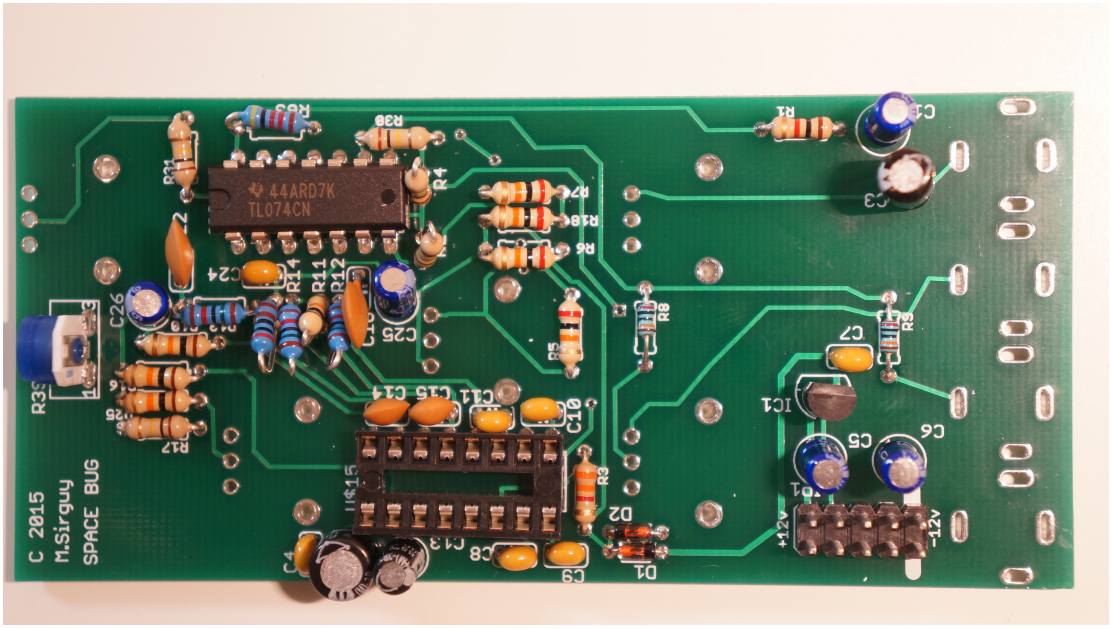
Use an online resistor code calculator to find the resistor values, or better yet use a multimeter to measure the resistors

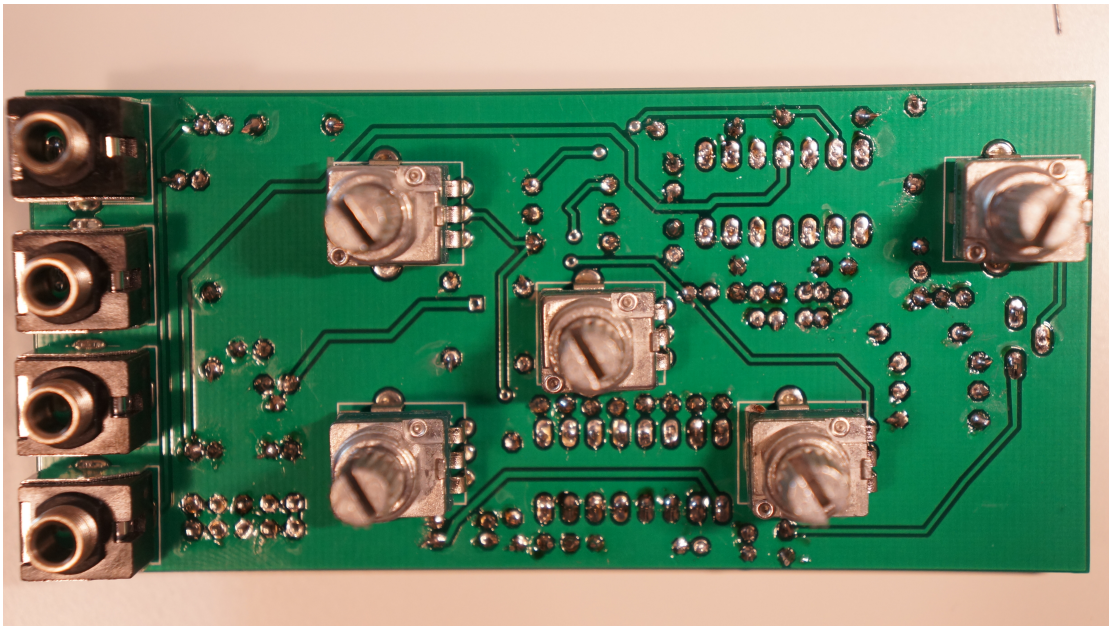
Parts are placed on two sides of the board - components on one side, mechanical parts on the other side

## First mount the component side

Place and solder components in the order of the BOM below

| Qty | Value | Notes | Position |
|---|---|---|---|
| Component Side | | | |
| Diodes | | Polarity marked by black line | |
| 2 | 1n4148 | Polarity line on PCB | D1, D2 |
| Resitors | | | |
| 1 | 1k | | R1 |
| 1 | 2k | | R15 |
| 1 | 3.3K | | R3 |
| 4 | 10k | | R10, R11, R16, R25 |
| 3 | 15k | | R12, R13, R14 |
| 4 | 20k | | R5, R6, R7, R18 |
| 1 | 40.2k | | R63 |
| 5 | 100k | | R2, R4, R17, R30, R31 |
| 2 | 200k | | R8, R9 |
| Ceramic Caps | | Not polarized | |
| 7 | 100nf | Marked 104 | C4, C7, C8, C9, C10, C11, C24 |
| 2 | 560pf | Marked 561 | C14, C15 |
| 2 | 3900pf | Marked 392 | C16, C22 |
| Electrolytic Caps | | Polarized - negative is shorter leg | |
| 1 | 1uf | | C3 |
| 5 | 10uf | | C1, C5, C6, C25, C26 |
| 1 | 47uf | | C13 |
| 1 | 100uf | | C12 |
| IC's | | Polarized - notch on chips | |
| 1 | 78l05 | | IC1 |
| 1 | 16 PIN SOCKET | | U$15 |
| 1 | PTC2399 | Don't install yet! | U$15 |
| 1 | TL074P | | IC3 |
| Trimmer | | | |
| 1 | 50K | | R39 |
| Header | | | |
| 1 | 10 Pin | | JP1 |
| Hardware side | | | |
| 4 | 301S-MINIJACK | | IN, MOD1, MOD2, OUT |
| 5 | 100k | | FEEDBACK, INLEVEL, MIXP, MOD, TIME |



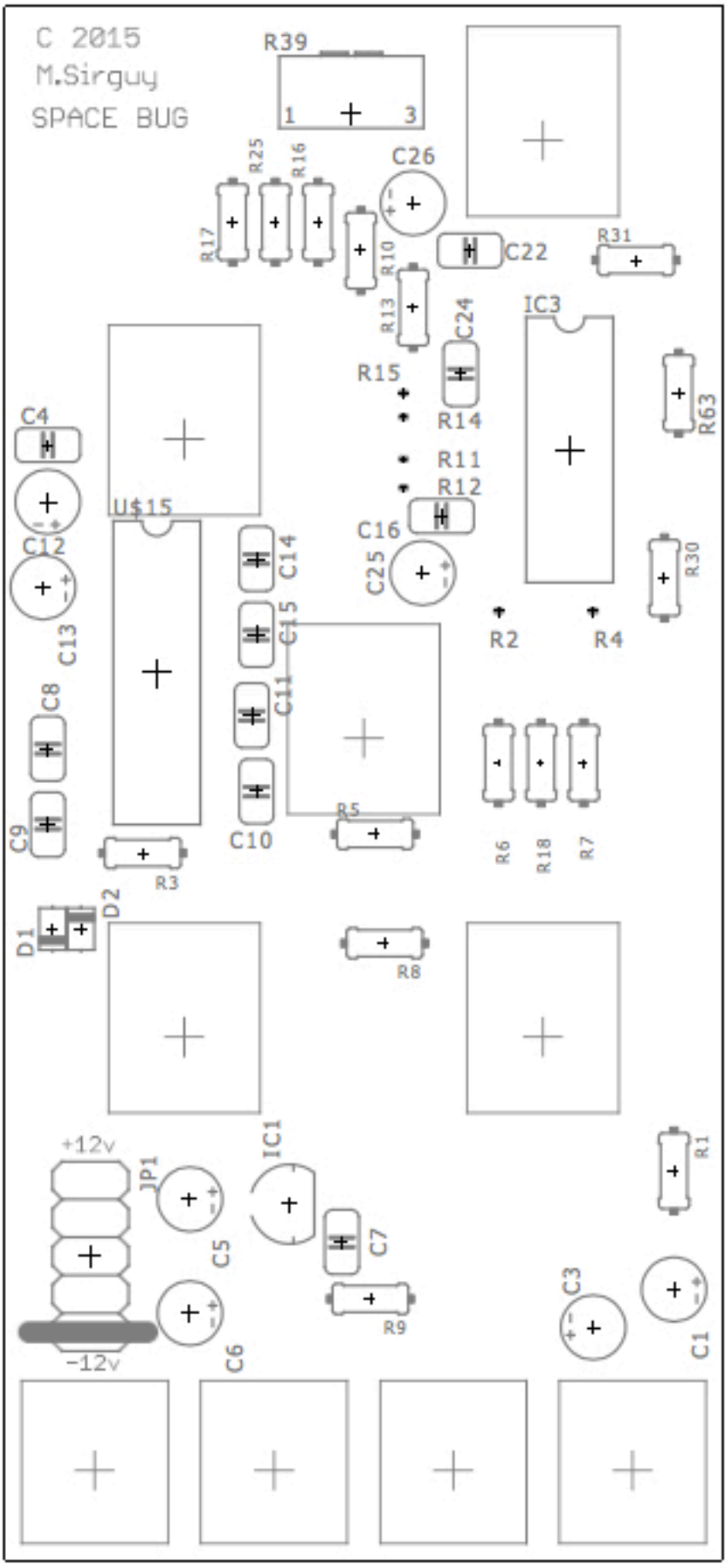
## TESTS

Once all components are mounted you can perform an electrical test before you mount the PT2399

Connect the ribbon cable to the power connector, and power the unit from your eurorack case. Take note of the orientation of the ribbon cable as marked on the PCB. Measure the voltage on pin 1 and 3 of the Main IC socket - you must have 5V. If so, you can plug the IC on the socket. If not check your soldering.

Now you can test the audio signal before mounting the front panel.

Adjust the trimmer R39 to set the max length of delay as desired.


C 2015
M.Sirguy
SPACE BUG
R39
1
3
R25
R16
C26
R17
R10
C22
R31
R13
C24
IC3
R15
R63
C4
R14
R11
R12
U$15
C12
C16
C14
C25
R30
C13
C15
R2
R4
C8
C11
R5
R6
R18
R7
C9
C10
R3
D2
D1
R8
+12v
JP1
IC1
R1
C5
C7
C3
C1
R9
C6
-12v