

# RE-606

Project
<b>Projecttitle:</b> RE-606
<b>Status:</b> ALPHA BUILD
<b>Startdate:</b> 11/2019
<b>Due date:</b> 01/2020
<b>Manufacture link:</b> <a href="https://shop.re-303.com">https://shop.re-303.com</a>

I'm a Alpha Builder, more infos later.

## Build Guide:



## BOM:

[RE606\\_BOM\\_191022.xlsx](#) (First version)

[RE606\\_BOM.v1.3.2-RLS.xlsx](#) (latest version with mouser part numbers)

## mouser card: (not approved from me)

<https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=040a0cbc>

add the tactile: 688-SKQEAA

(wrong here is the 22pF capacitor !!

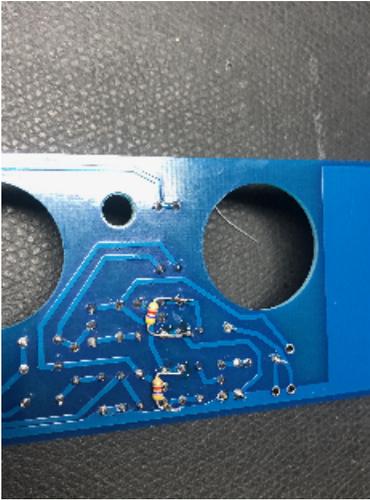
also the 0.47UF is wrong - its bipolar in the mouser Bom instead of polar )

another mouser card is available:

<https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=d17c935ded>

<http://23.235.199.139/~re303c5/forum/topic/1276-some-hints-from-building-my-re-606/>

- Mainboard
  - CR97 -> R97(4k7) and use C110 (1NF parallel)
- Tom board:
  - CR305 -> R305 (4K7) and use C329 (1nf parallel)
  - CR308 -> R308 (4K) and use C330 (1nF parallel)



- The jumper wire strip from the alpha BOM was slightly too short, looks like it was updated in the latest BOM to 3 inch, but I would recommend maybe even getting the 4inch instead of 3inch :
  - 571-FSN-23A-8 (Mouser)
- The scale switch - while this is by no means correct, this will work - just need to wire it to the board, and its quite small compared to the hole in the cases etc
  - 611-SS-24E06-TG5P (Mouser)

## BOM help:

Fuse Resistor 2.7ohm = R237 in PSU:

Mouser: [PR02FS0202708KR500](#)

TME: [NFR1W-2R7](#)

## Tips:

in case you dont have the SCALE Switch and want test the RE606 with a Workaround (Bridge Pins instead of a Switch)

, you have to Bridge the switchchassis holes with a cable at the outer mounting holes (same in Re303 ) - otherwise the GND pads/traces of the Instruments are not connected

Discussion about the Scale switch: <http://23.235.199.139/~re303c5/forum/topic/514-unobtainium-re606-pre-scale-switch/?tab=comments#comment-12104>

Install CR97 (1nF) and R106 from the bottom side otherwise the Mode Switch will not fit.

BU -battery Wire port 28 (not sure what to expect here but I measured somewhere around 6VDC iirc)

6VDC Wire port 30

15VDC Wire port 33

5VDC Wire port 34

## Issues:

### Issue 1: (see service notes from Roland to check the correct layout)

please respect on the switchboard D404 is in wrong orientation, as described in the BOM

### Issue2:

On the switchboard are the capacitor designators wrong labeled !!

C1 = C401 1uF/50V Electrolyte polar

C2= C402 10uF/50V Electrolyte polar

C3= C403 100uF/16V electrolyte polar