Assembly instruction

ReBach

Date:	25-11-19	Project:		Remark:	
File:	RBDIY-CTSVCFA-1.2	Version:	1.4		
Title:	**CATCH VCF-A DIY**	HW version:	1.3		
REF:		Page:	1		

Thank you for purchasing this ReBach DIY Voltage-controlled Filter !
We hope you enjoy the construction and use of this beautiful low-pass filter.

Package Content:
- 1x Main PCBA RB1805
- 1x Front PCB RB1806
- 3x 20K Pot-meter
- 3x M7 Washer
- 3x M7 Nut
- 4x 3.5mm Jack incl nut
- 3x Knob White
- 3x Knob cab
- 1x Ribbon power cable
- 2x 3mm screw

Note:

Check if all the above-mentioned parts are present in the packaging before starting construction! Contact your supplier if a part is missing before you start building.

The customer agrees that if the packaging has been opened and some construction steps have been made, he is responsible for a successful construction.

Follow the steps in this building instructions carefully to prevent errors

The conditions of your supplier are respected by ReBach!

A fly-wire has been placed at R9 on the HW1.3. Do not remove this one! (see photo below)

Note:

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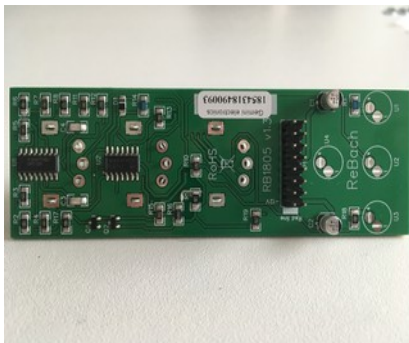| Date:	25-11-19	Project:		Remark:	
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1 **Overview**
All parts excl knobs
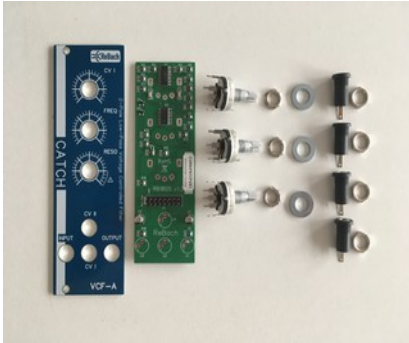
2 **Place pot meters on the PCB**
Positions RV1, RV2, RV3. Back side PCB

3 **Check**
Check all solder contacts in good position

4 **Solder**
Solder all pot-meter contacts

Tip:

Solder one pin first then whilst holding reflow solder until potentiometer sits in place nicely. Then solder rest of the pins.

5 **Place the jack plug**
Insert the jack plugs and hand tighten nuts

6 **Jack plug alignment**
Align the jack plugs as shown in the photo

Note:

Step 5: Jack plugs must be able to move slightly

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7 **Spacer**

Place spacers on the pot-meters
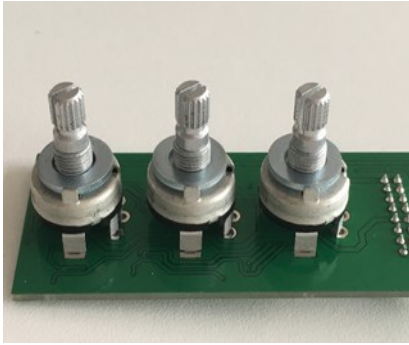
Place Front **8**

Place the front and enter the solder tabs through PCB

Tip:

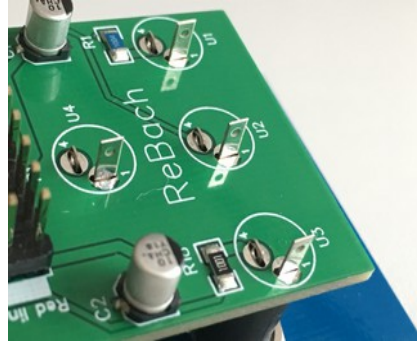Adjust position of the 3.5mm sockets if needed.

9 **Check**

Check whether the Jack plugs fully connect to the PCB
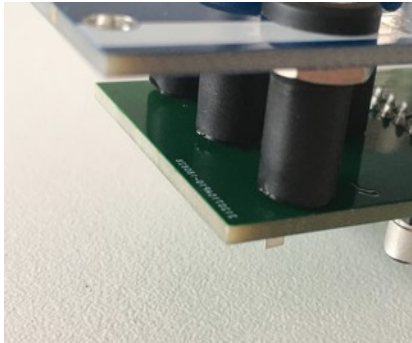
Check **10**

Turn over and check the solder tabs are completely through the PCB.

11 **Nuts**

Place the nuts on the pot meters and hand tighten
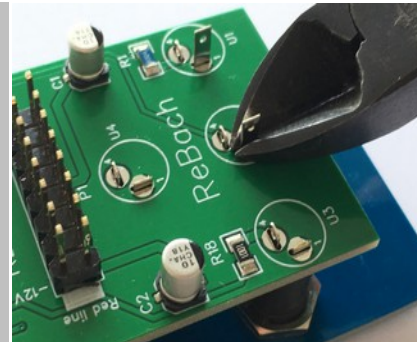

Solder **12**

Shorten the long solder tabs with a side cutter

Tip:

Shorten the long solder tabs befor soldering !

Note:

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13   **Solder**

Solder the Jack-plug contacts
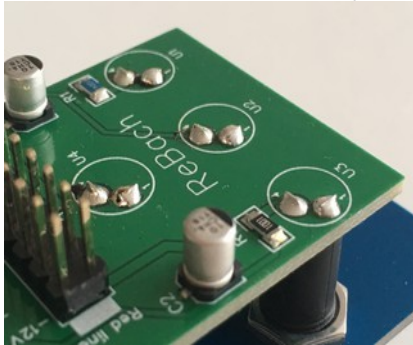
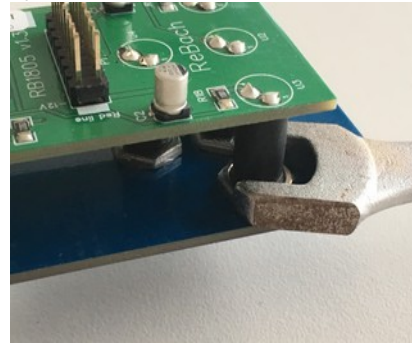Tip:

use a little flux for a perfect solder connection (remove flux residues with flux remover to prevent damage to the PCB).
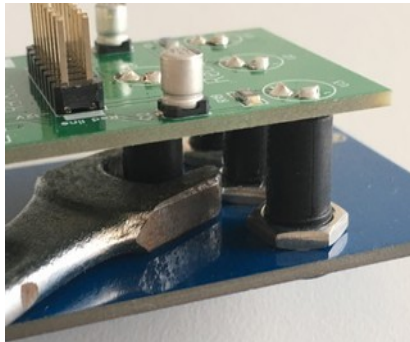
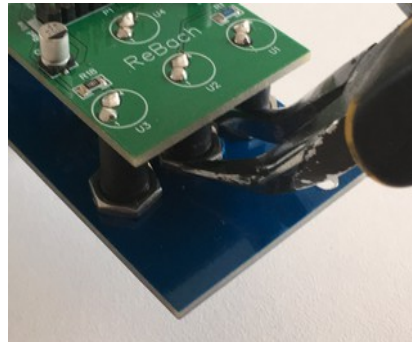**Tighten Jacks**   **14**

Tighten Jacks with wrench

15   **Tighten Jacks**

Tighten Jacks with wrench

Tighten Jacks   **16**

Tighten the CV-I jack with pointed pliers if the wrench is too big.

17   **Tighteb nuts**

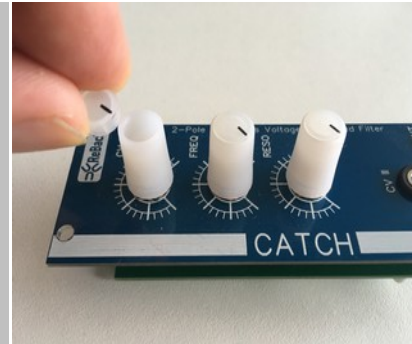Tighten the nuts with a wrench

Place knobs   **18**

Place buttons and caps

Tip:

Align black line on buttons to the fully left position line on the panel.

Note:

Step 12: make sure that no short circuit occurs between the solder tabs by soldering.

Step 14 to 17: Tighten the nuts with policy, not too tight to prevent damage

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19 **Place knobs**

Allow minimal space between knob and nut
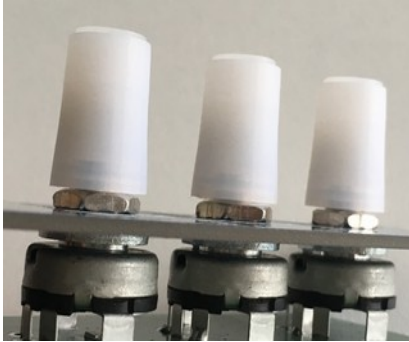
Ready and congratulations 20

Note: