LALALAND

8
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OMNI

MIDI-CH

SELECT

SELECT

MIDI-IN

MIDI-OUT

BRT
MOD

#74

VEL
AFT

BRT
MOD

#74

VEL
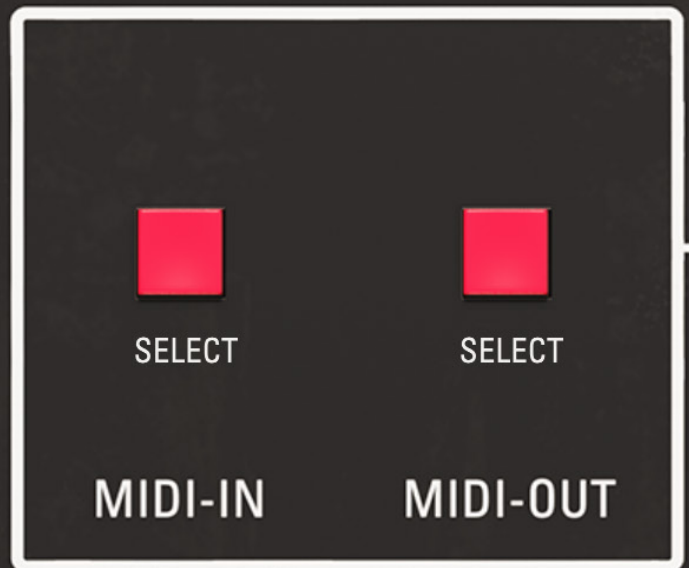AFT

FILTER-A

RESET

FILTER-B

CS30 Midi Kit
Installation manual

Introduction

CS Series Midi Kit:

Tools needed

Philips screwdriver
3.5mm drill for screws
(Optional 3mm tap drill)
15mm step drill

Content

• CS MIDI board
• 1x3 pin power cable (RED, BLUE, BLACK)
• 1x15 to 6 and 8 pin cable (MULTICOLORED) Female.
• 1x15 to 6 and 8 pin cable (MULTICOLORED) Male.
• 1x2 pin filter control cable (ORANGE, PURPLE)
• 1x2 pin envelope/seq trigger cable (WHITE, BLACK)
• 2x prewired MIDI sockets plus 4x screws & 4x nuts
• 4x plastic standoffs
• 1x MIDI connector sticker (Used as drilling template)
• 10k resistor for Seq wire

The CS Filter Modulator

[Check out our plugin for the CS series - click here](#)

Installation

The CS Midi board is installed between the keyboard and the key assigner board and therefore requires only 3 cables to solder (Power). Removal of the key assigner is not required. *Although we suggest calibrating the synth before install, recalibration after install is not required.*

For filter, envelope and seq trigger you will need to solder the appropriate cables.

Midi connectors will require drilling using the drill template/sticker.

To open the CS30 synth remove the 4 screws, 2 on each side.

Make sure to disconnect synth from mains before proceeding with installation!

Follow the step by step instructions in the following pages to install your CS MIDIKIT.

MIDI connectors installation

Start by drilling and mounting the midi connectors using the midi sticker as a template, place the sticker in the desired location and fasten at the top with tape and mark the center X's. Next lift up the sticker while the tape holds it in place and drill the holes for the midi connectors.

Place the midi connectors in the slots and mark where to drill for the screws., after drilling remove the backing from the sticker and fasten it in place. Cut out the holes in the sticker, an 8 cut "pizza" cut works great. Place midi connectors and fasten with screws. See images below. (**Alternatively you can print out and use the MIDI template on the last page**).

NOTE: MIDI In connector has two wires and MIDI Out has three.
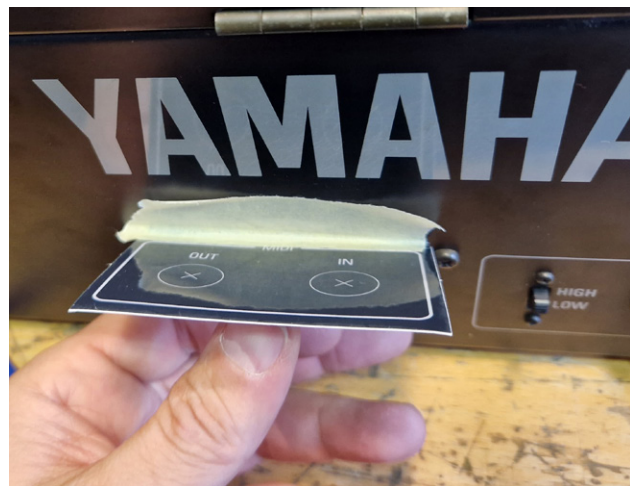
Place the midi kit as shown in image below. Fasten the board using the plastic standoffs.
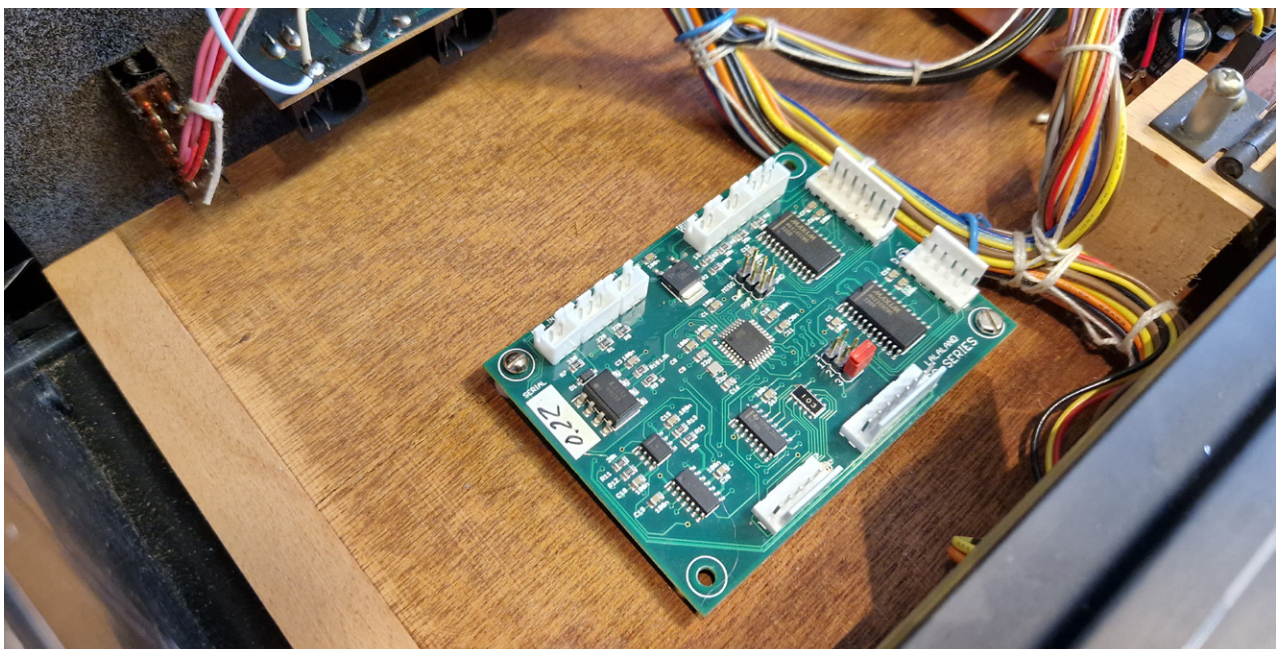
Solder the power cables

Locate the SSK/Key Assigner board (Center board, bottom of synth) and identify the 3 points shown in image. Using the 3 Wire (Red, Blue, Black) power cable, solder each wire to the appropriate location.
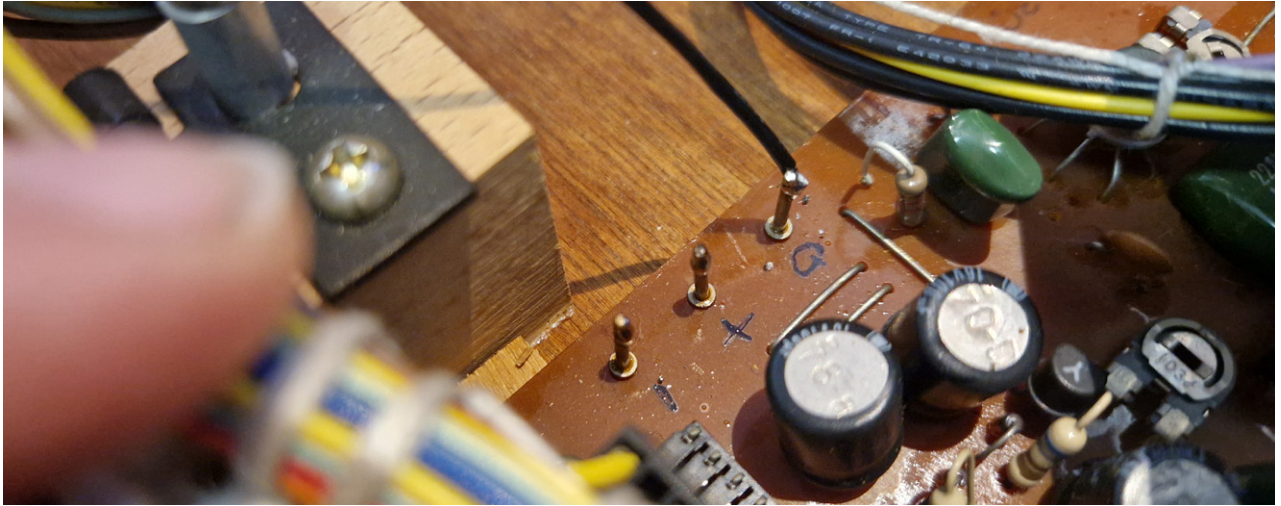
NEG/BLUE is the -15V.
POS/RED is the +15V.
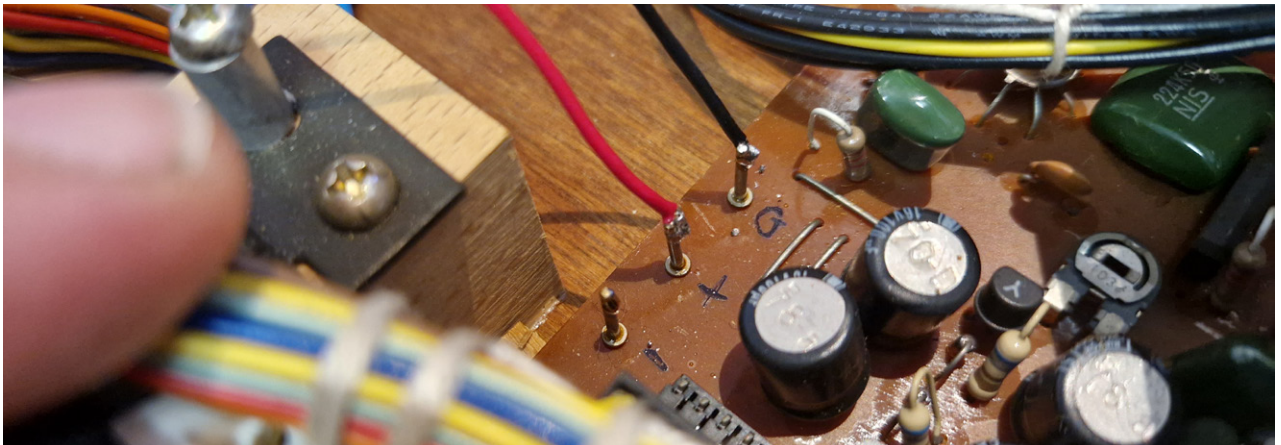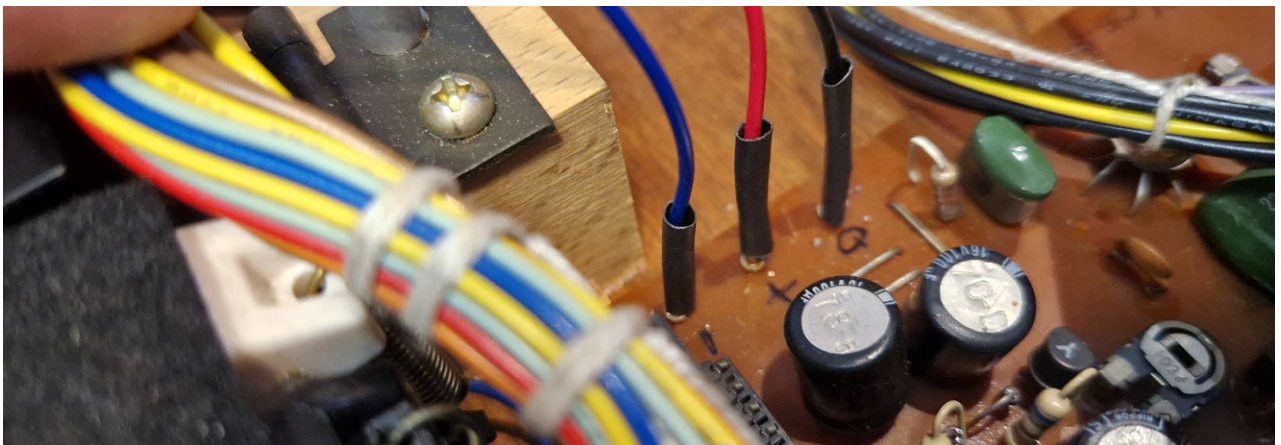**GND/BLACK** is the ground cable.
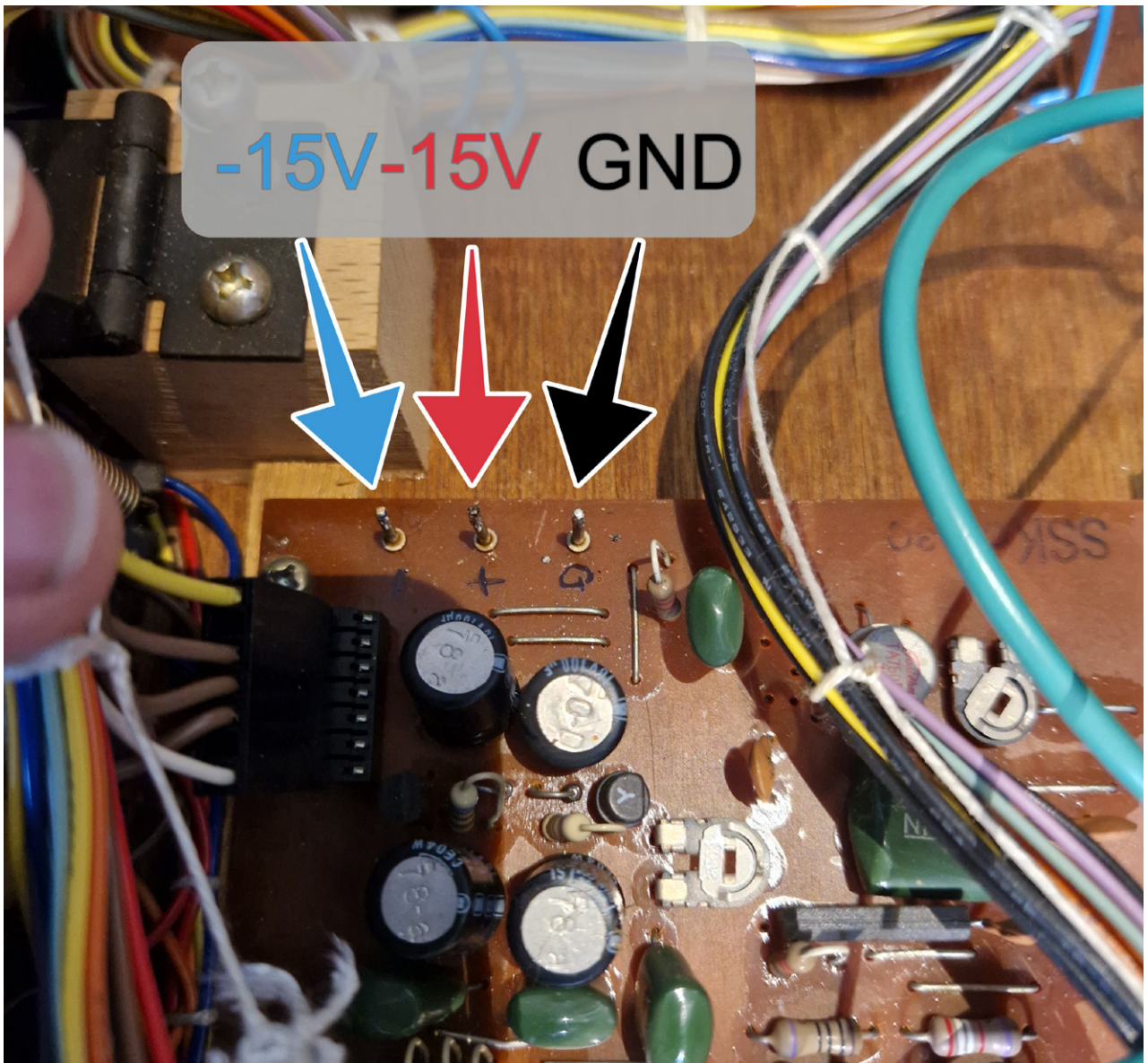
Solder the power cables

Locate the solder point as shown in image.
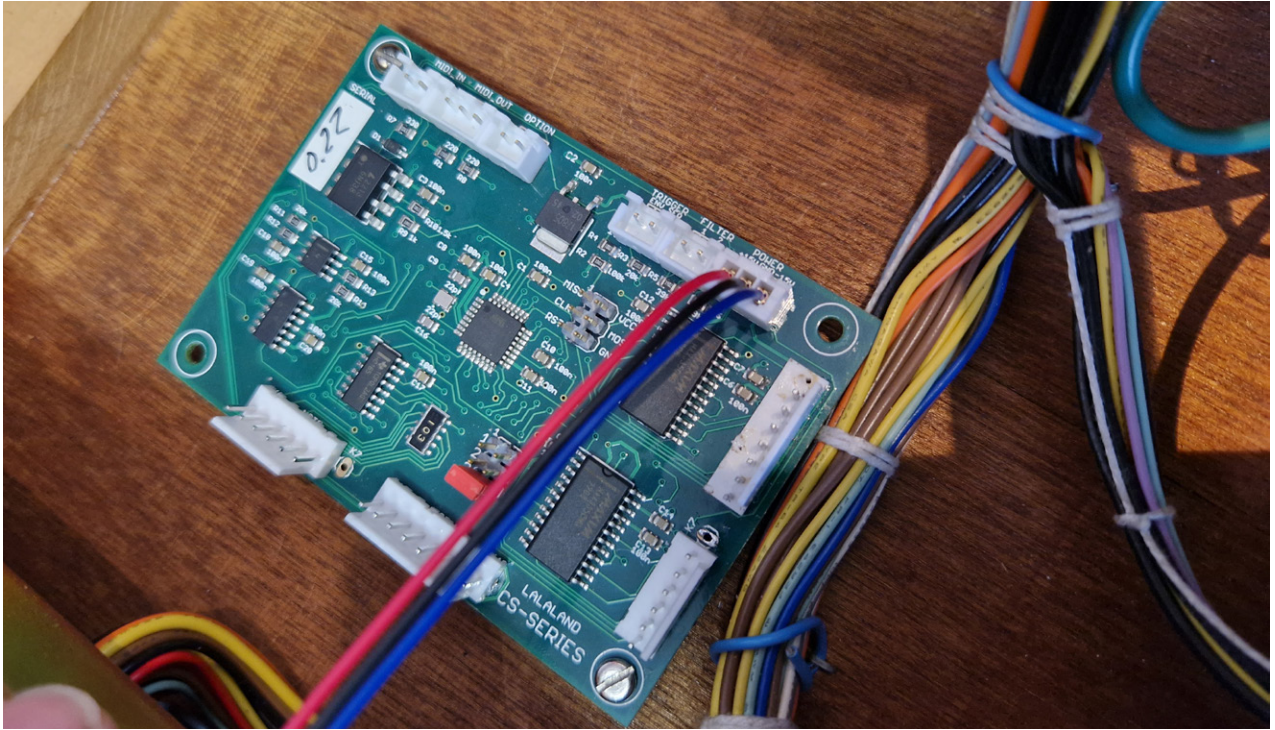Solder the **black wire** to this point.
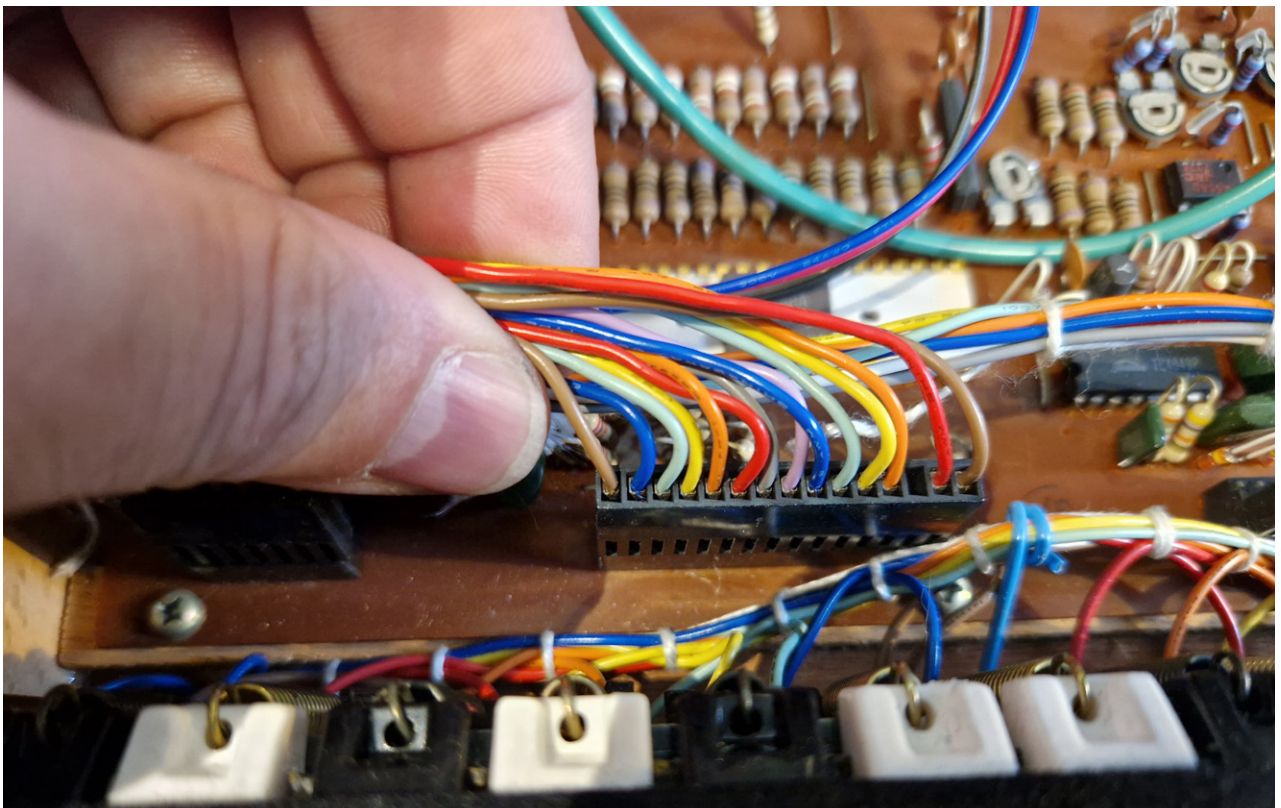

Locate the solder point shown in image.
Solder the **red wire** to this point.

Locate the solder point shown in image.
Solder the **blue wire** to this point.

Now plug in the Power cable into Power on the MIDI Board as shown in image.

Locate and disconnect the 15 pin cable on the SSK/Key Assigner PCB as shown in image. Center board, bottom of synth.

Connect the 15 pin cable you just disconnected to the provided 15 pin FEMALE cable. Match the 1 empty connector and wire colors to orient the cables in the correct way.
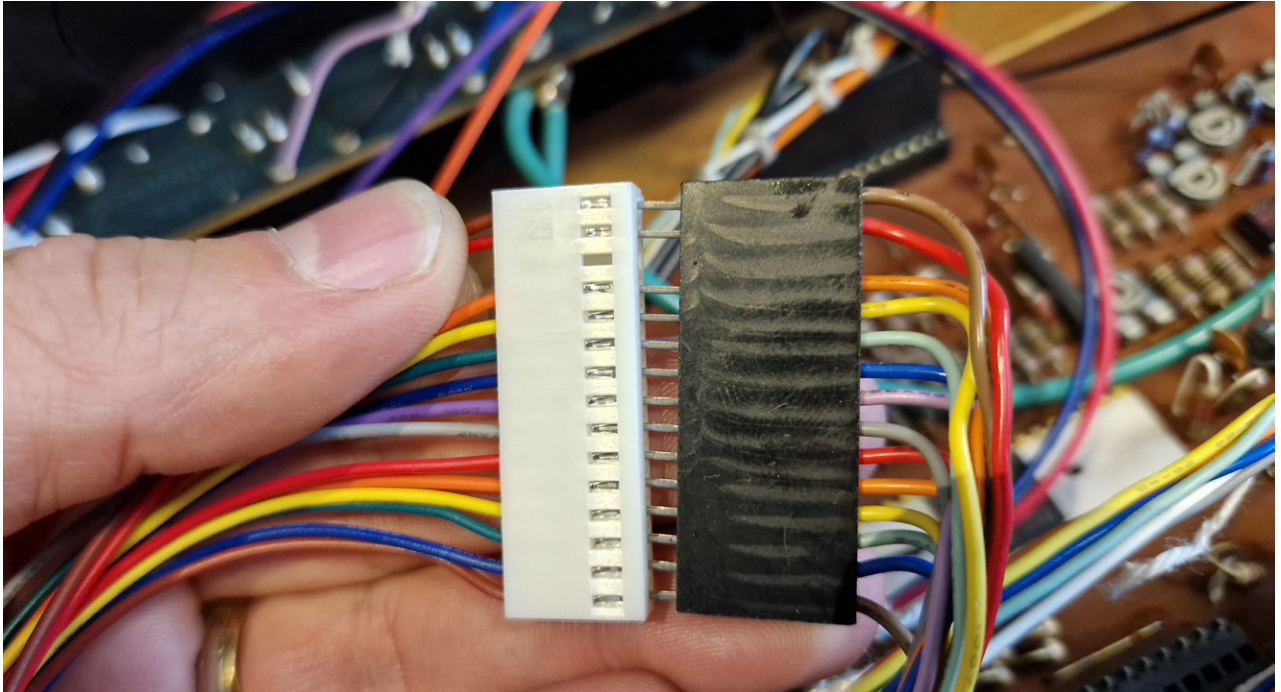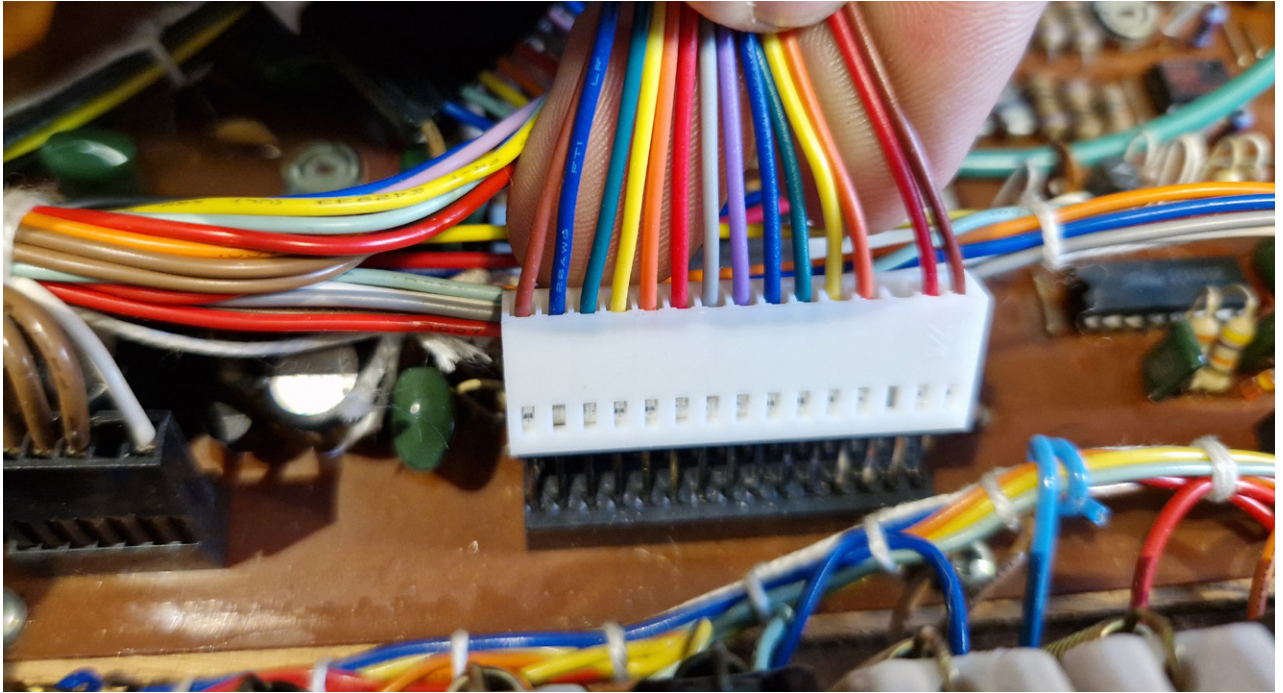

On the other end of the previous provided 15 pin cable, you have 6-8 pin cables. Connect them to the MIDI board as shown in images.
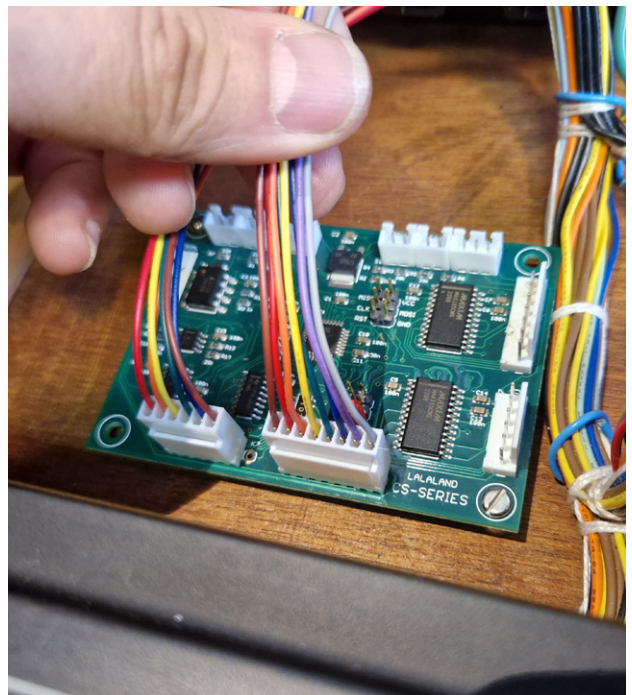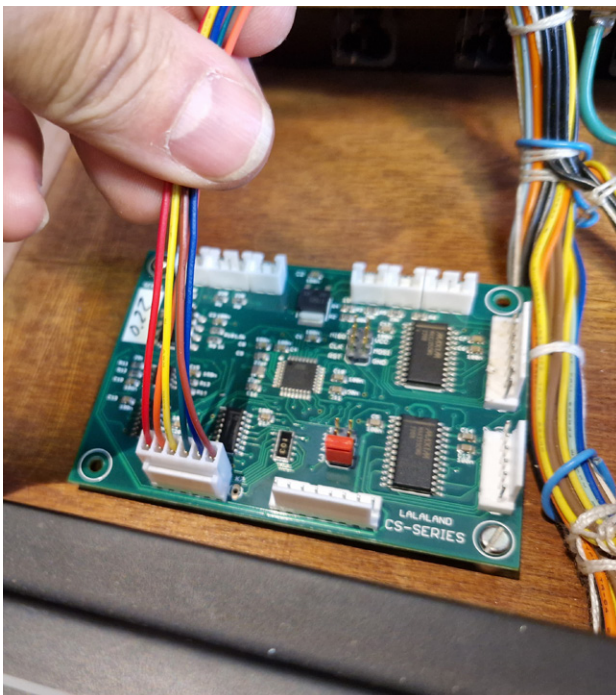
Now connect the provided 15 pin MALE cable to the SSK Board where you previously removed the original cable while making note of the one empty connector and colors. Brown and RED are on the right hand side as shown in image.

On the other end of the previous provided 15 pin cable, you have 6-8 pin cables. Connect them to the MIDI board as shown in images.
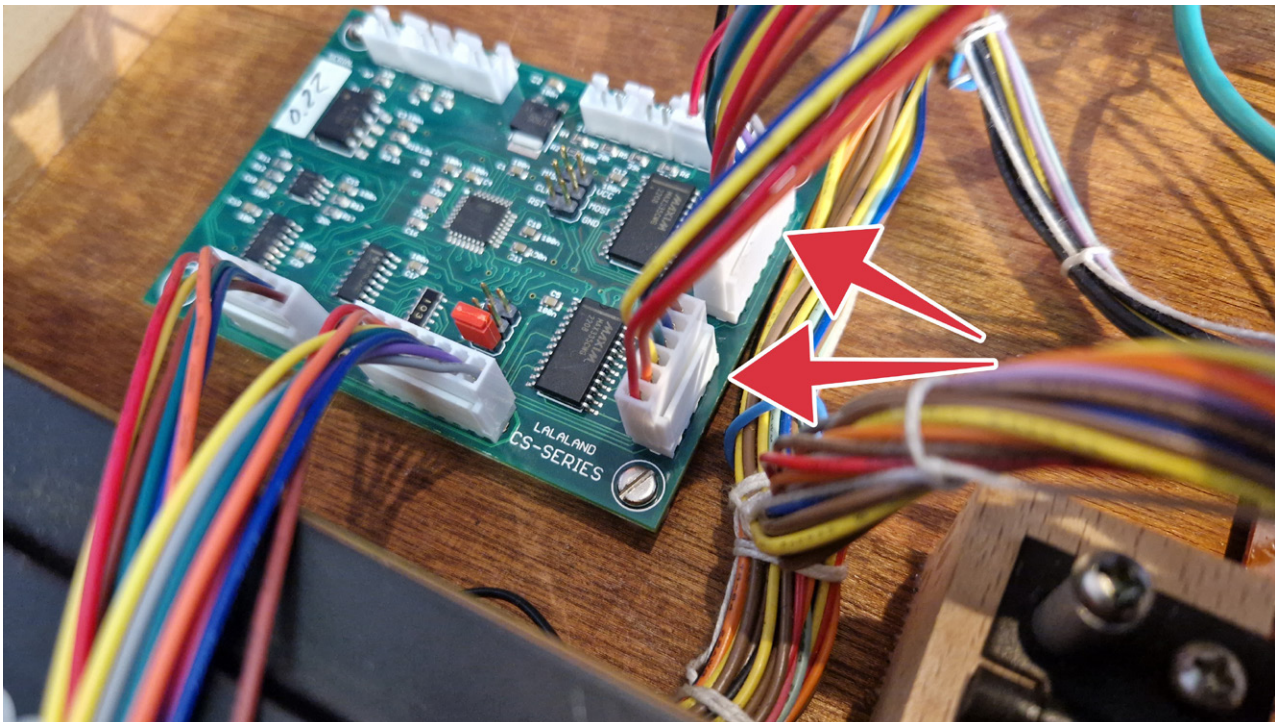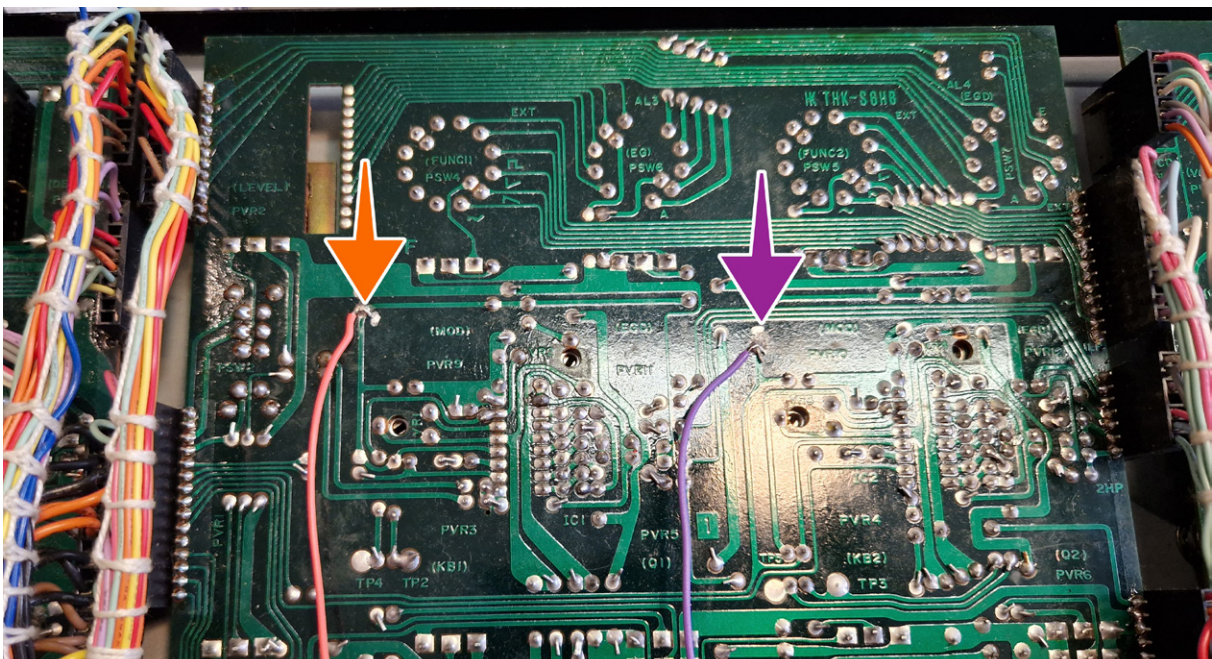
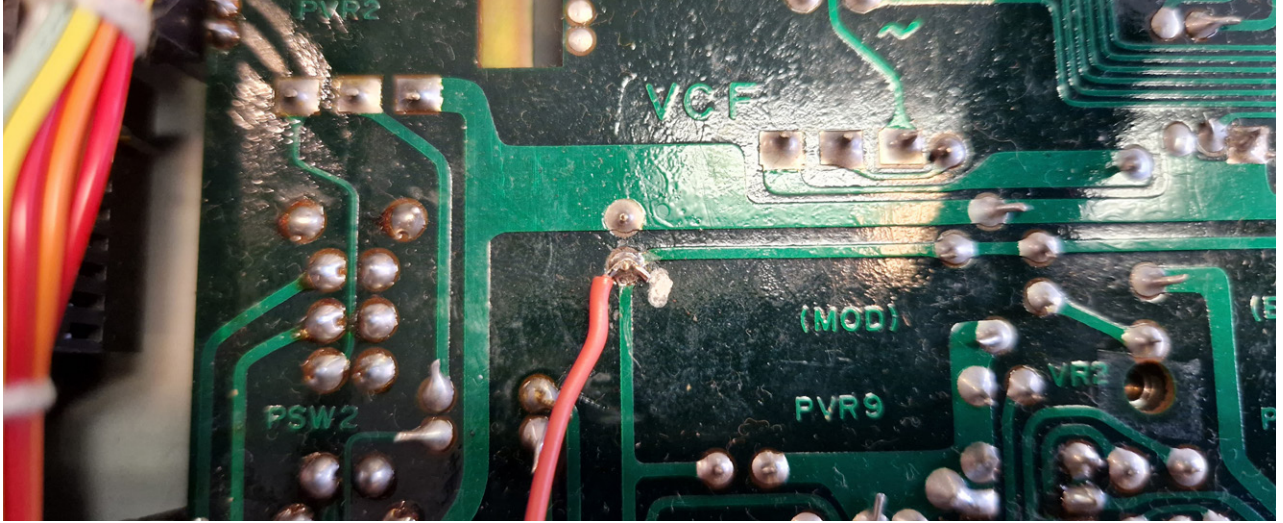Connect the MIDI in and out cables as shown in image.
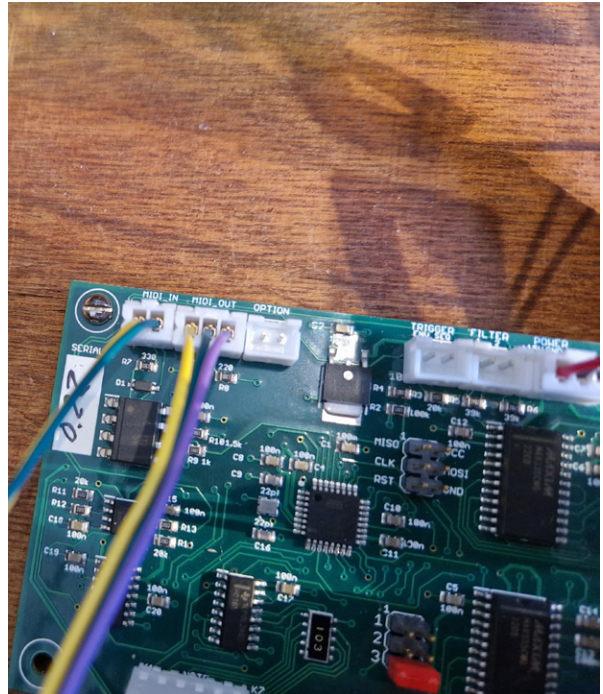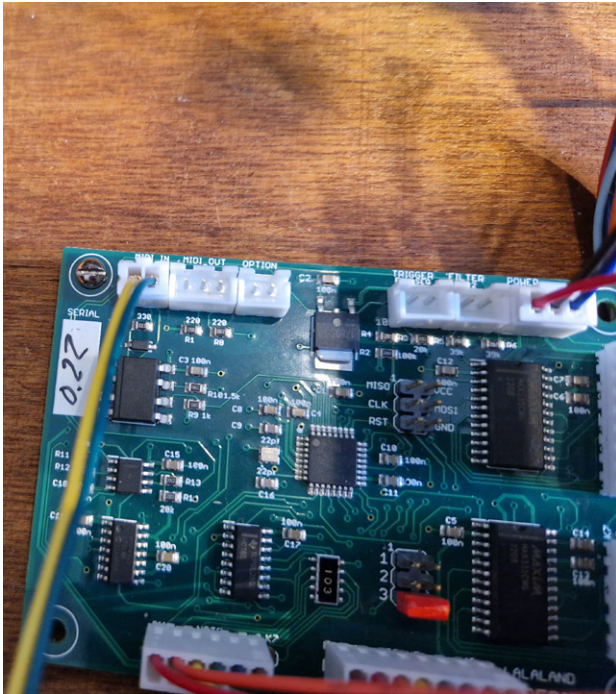
NOTE: *At this point the board, MIDI in/out is operational.*
Filter, envelope and SEQ are optional.
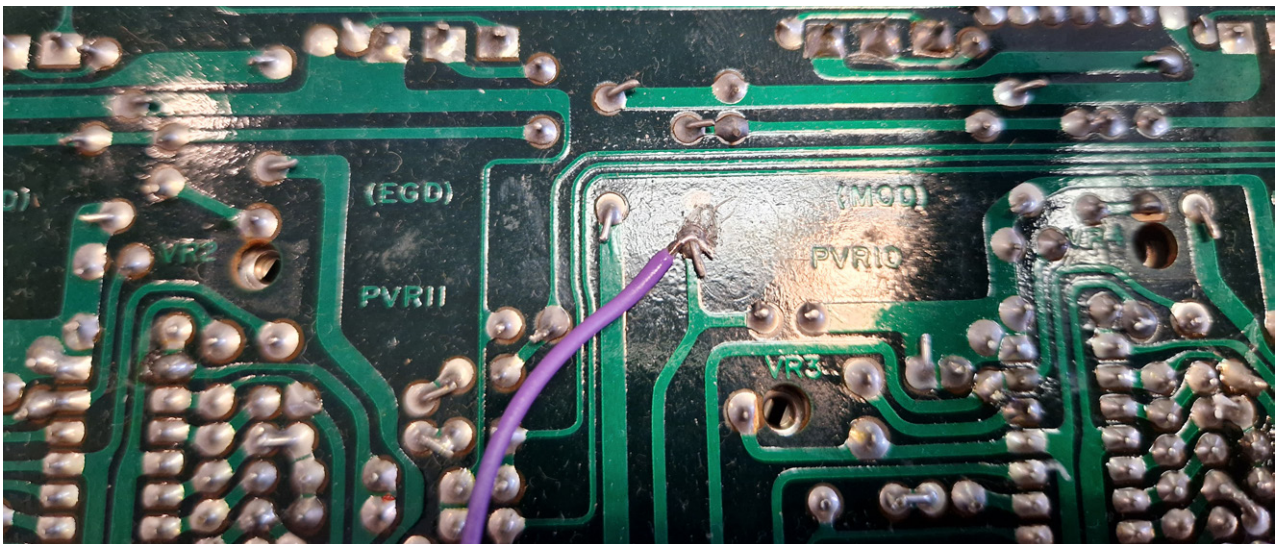

Solder the filter cable(s)

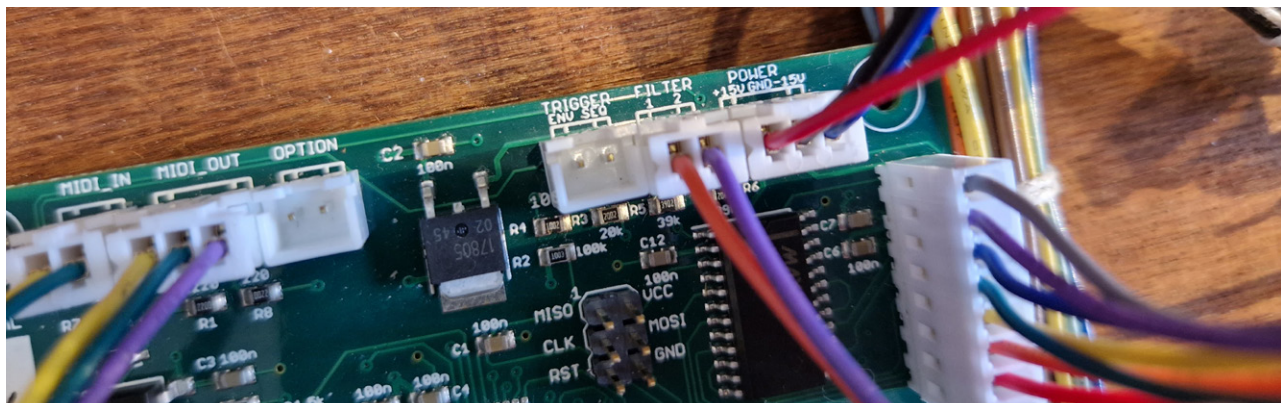Locate the solder points shown in this image (The center VCF board).

Use the provided orange and Purple cable.
Solder the **orange wire** to this point shown in image.

Use the provided orange and Purple cable.
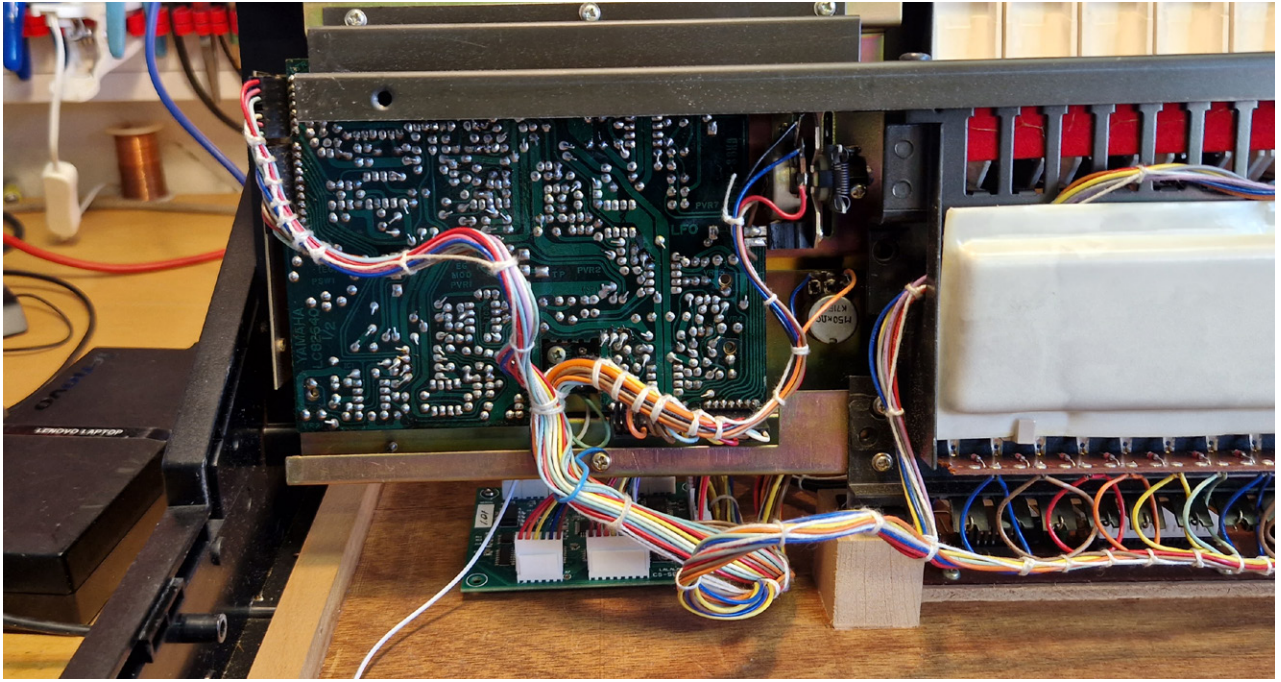Solder the **Purple wire** to this point shown in image.

Now connect the 2 pin connector to the FILTER connector on the midi board as shown in image.
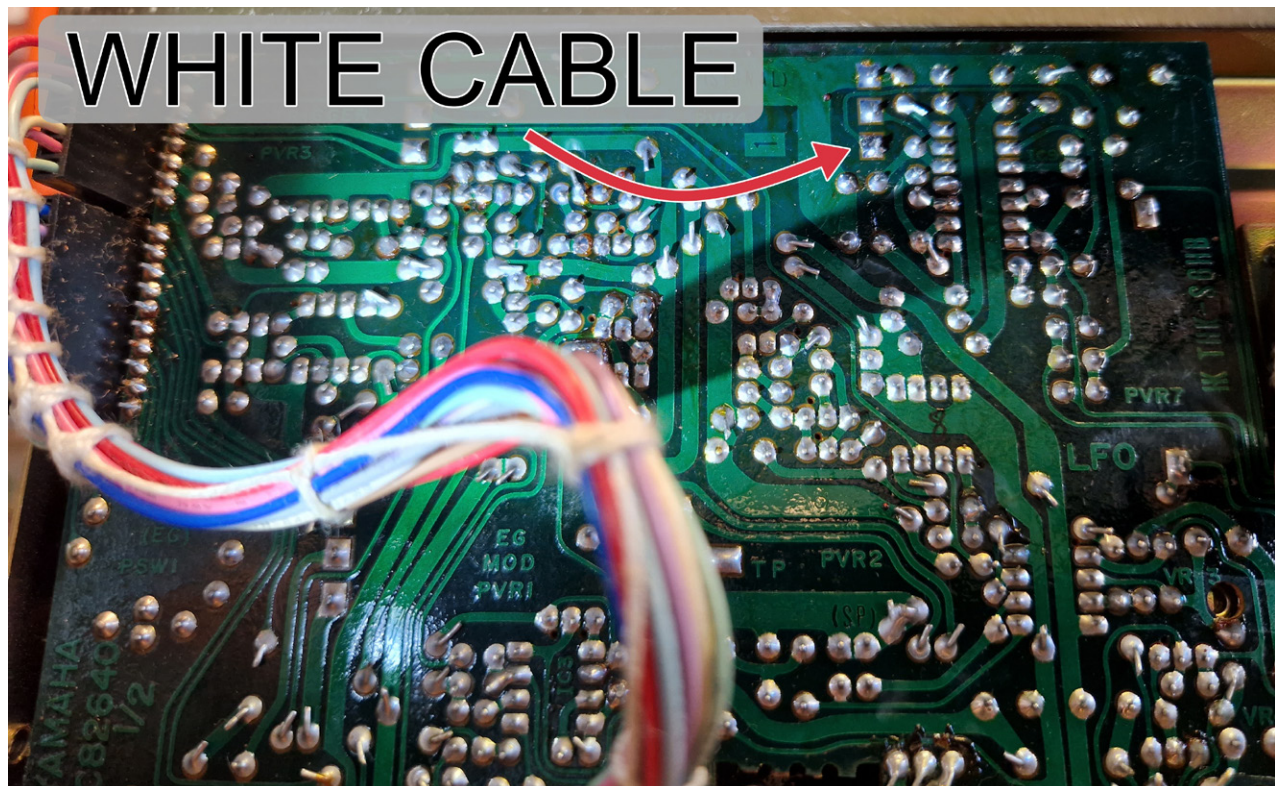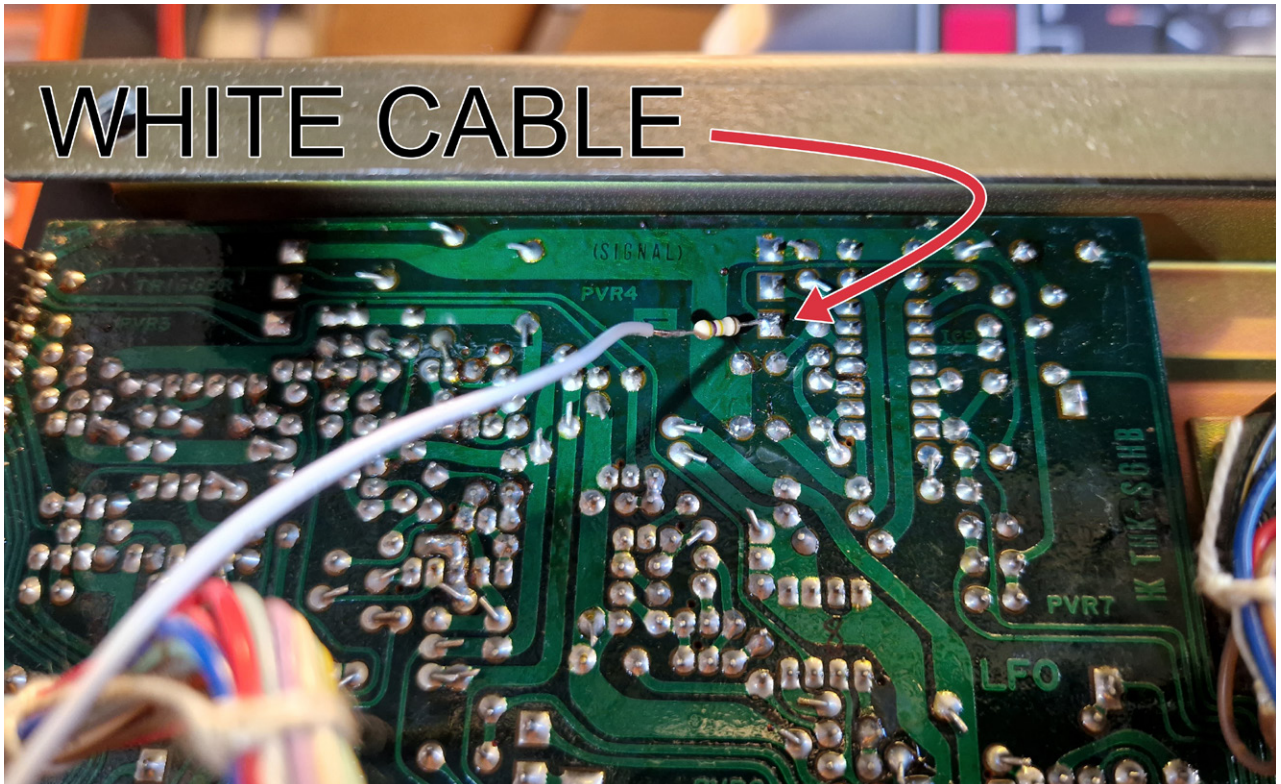
Solder the White envelope trigger cable

Lift up the keyboard and locate the leftmost PCB.

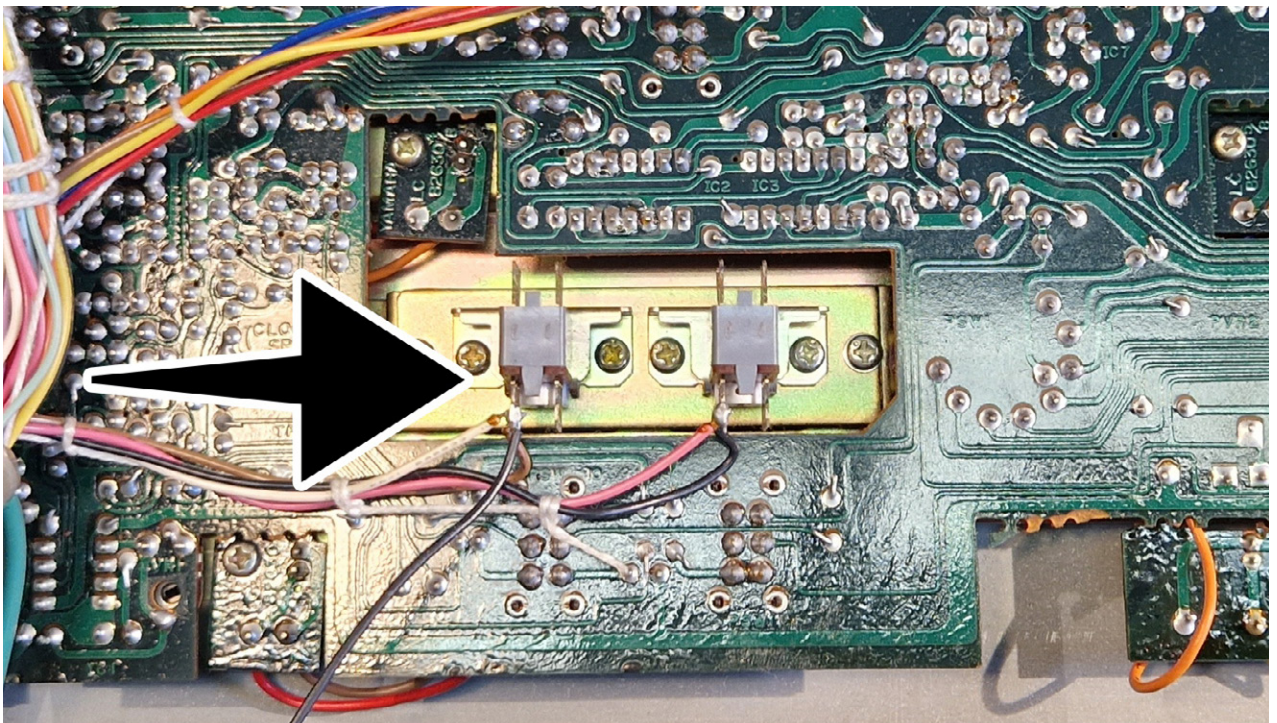Locate this solder point on the underside of the PCB.

Using the provided white and black cable. Solder the white wire to this point.
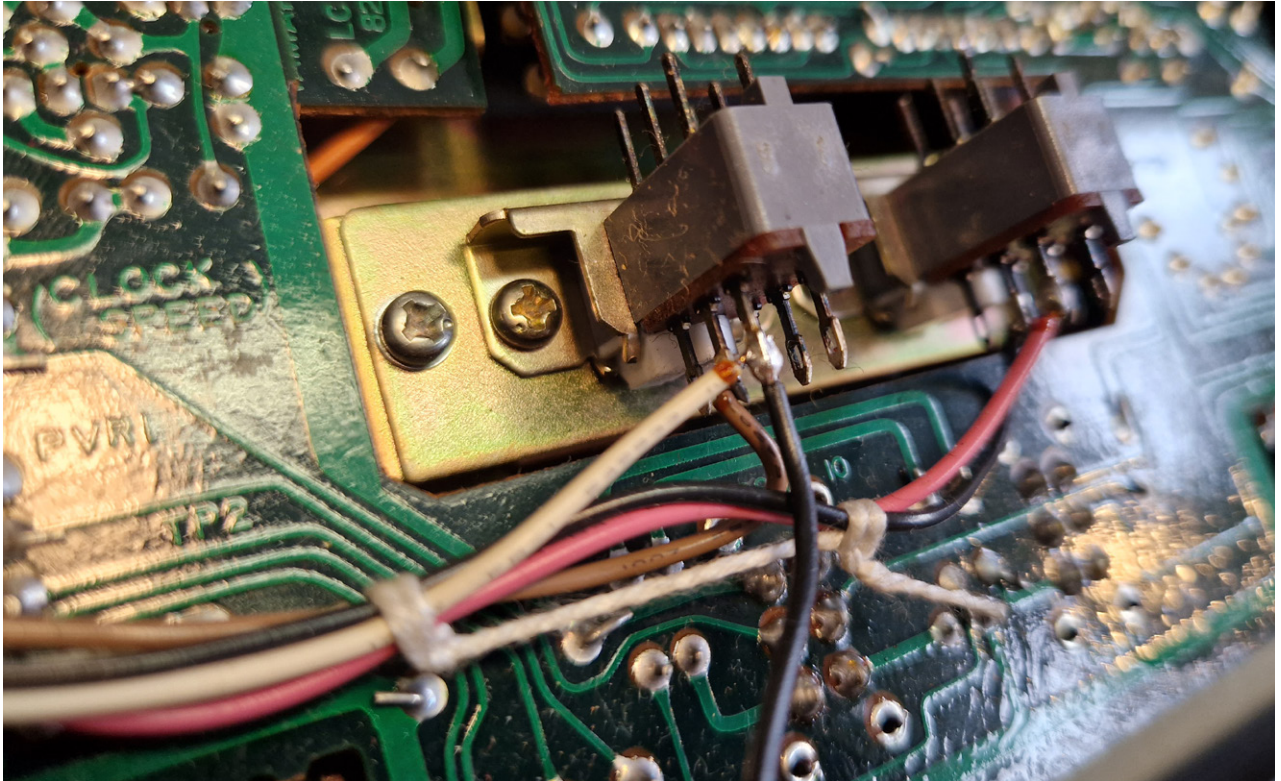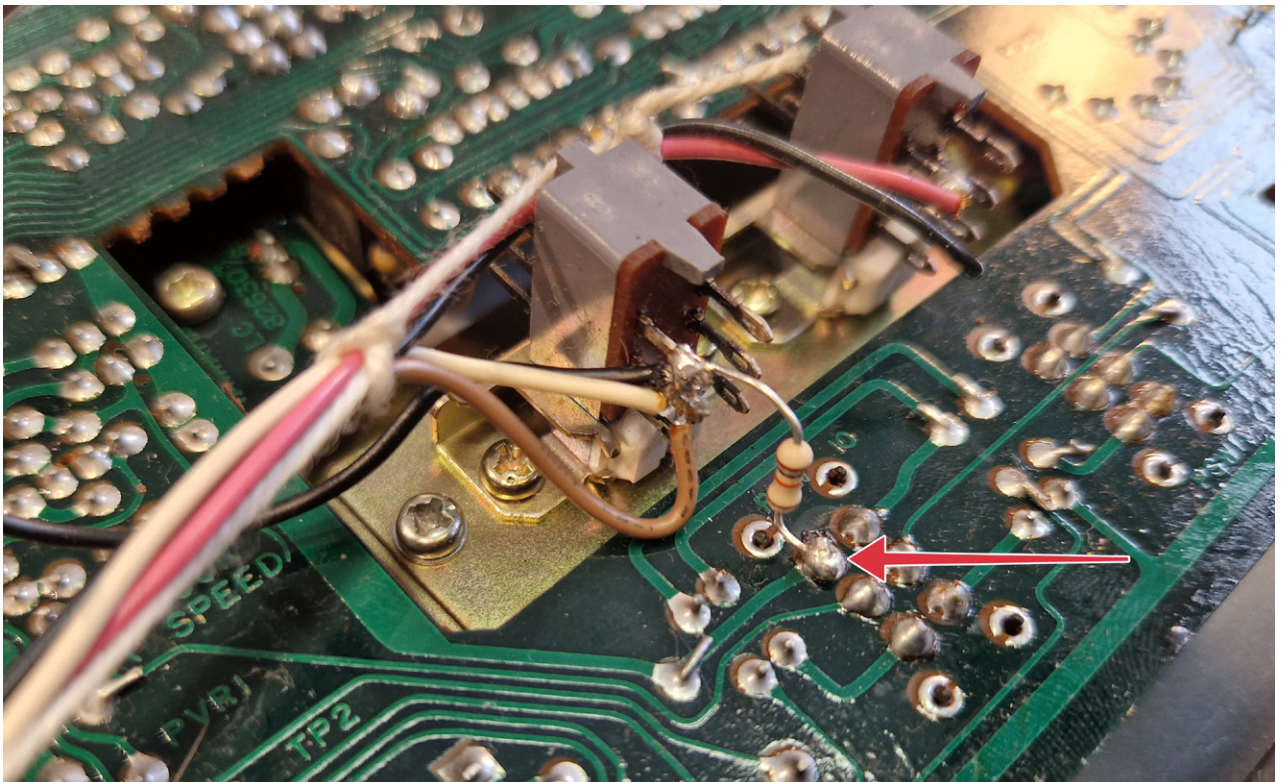

WHITE CABLE

Solder the Black Seq trigger cable

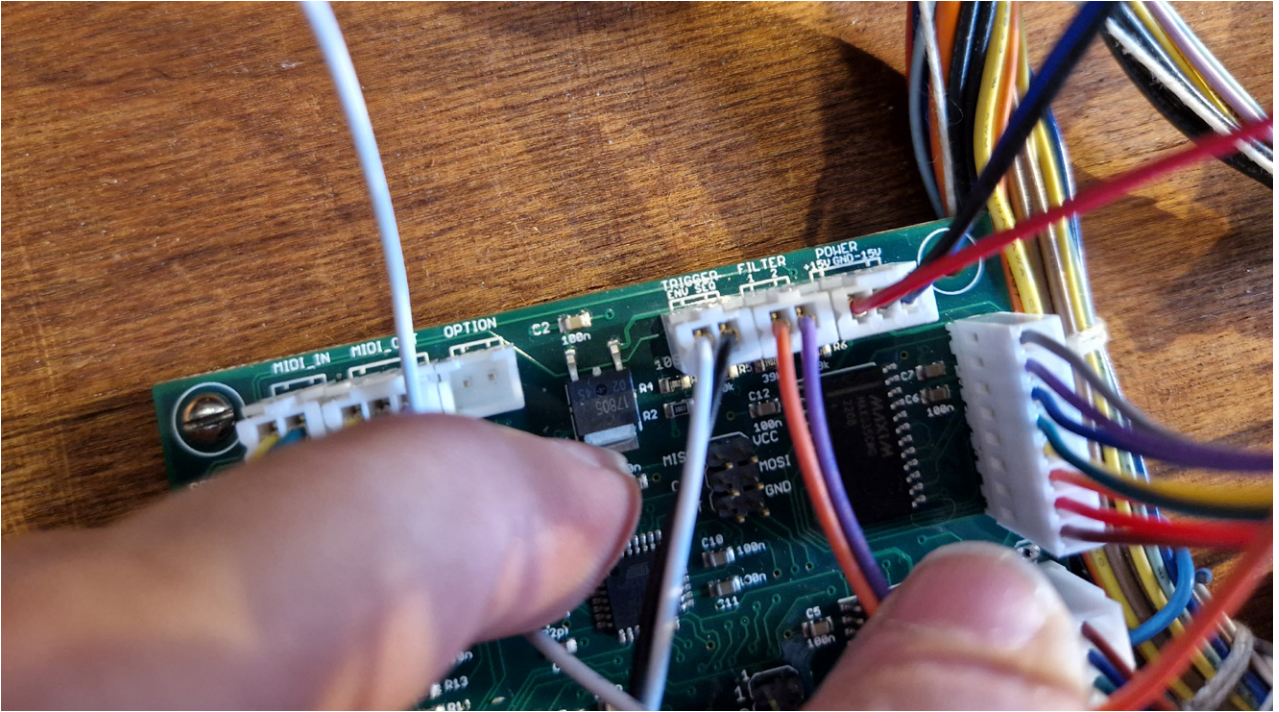Locate this switch on the rightmost PCB board.

Solder the Black wire to the original White wire on the switch.

Solder the provided 10k resistor from the black wire to the GND on the pcb.
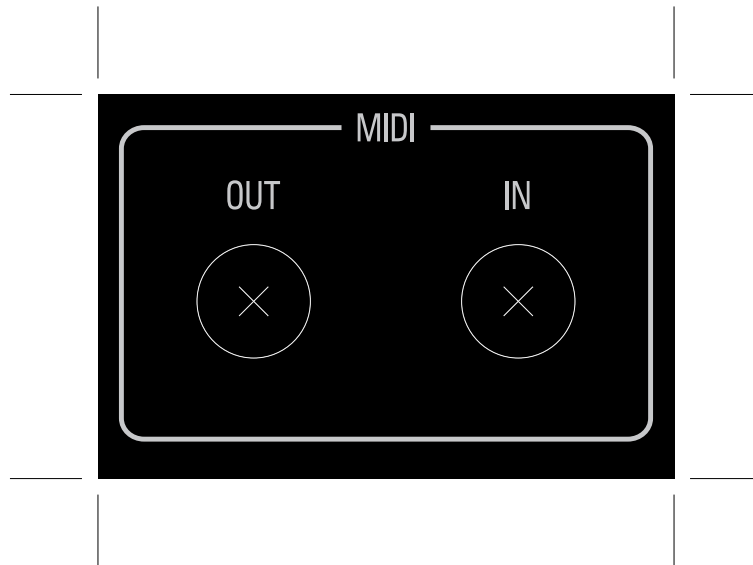
Connect the black/white cable to the MIDI Board.

You have completed the full installation.
MIDI in/out, filter, envelope, seq trigger and all features are now operational.

Secure all wiring with the included zip ties.
Close the synth and connect to mains.

MIDI drill template

Print out and use as drill template.

Congratulations on your CS30 MIDI Kit
May the force of creation be with you!