

# LALALAND



# 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)
- 1x19 pin (MULTICOLORED)
- 1x2 pin filter control cable (ORANGE, PURPLE)
- 1x2 pin envelope trigger cable (WHITE, BLACK)
- 2x prewired MIDI sockets plus 4x screws & 4x nuts
- 4x plastic standoffs
- 1x MIDI connector sticker (Used as drilling template)
- 1k resistor

# 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 you will need to solder the appropriate cables.

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

To open the CS10 synth remove the 7 screws, two on each side and three on the back as shown in image below.

**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

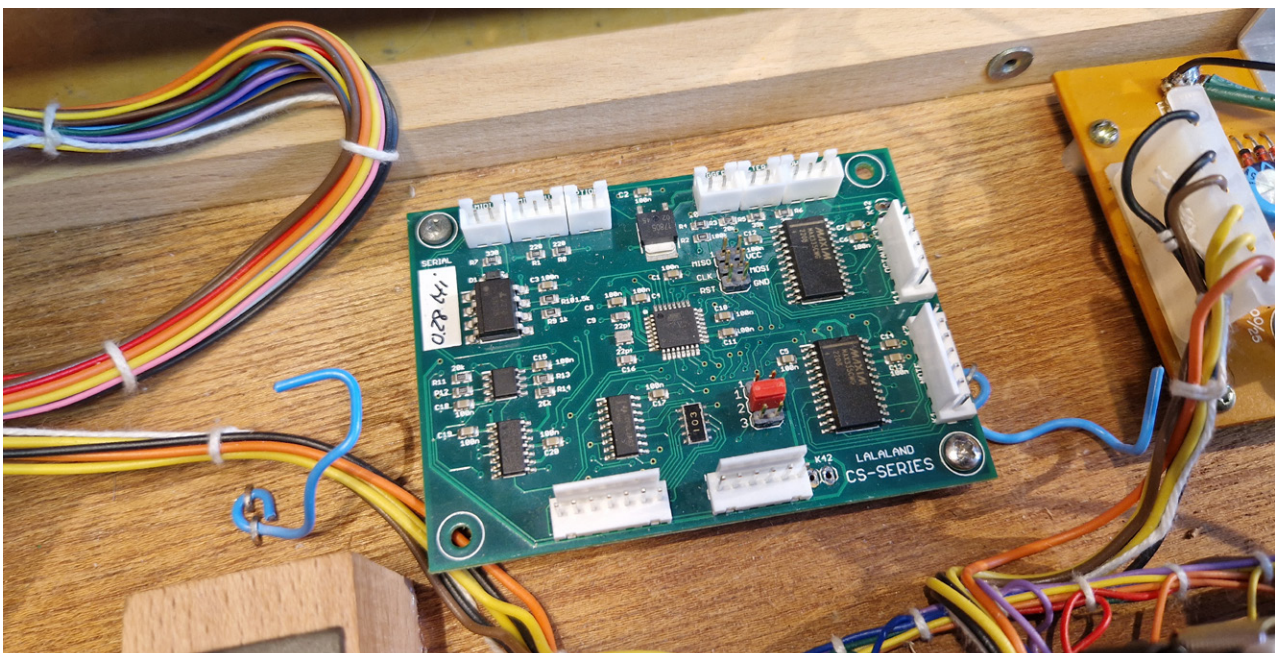
Start by drilling and mounting the midi connectors using the midi sticker as a template, place the sticker in the desired location and fasten at the top with tape and mark the center X's. Next lift up the sticker while the tape holds it in place and drill the holes for the midi connectors.

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 standoff.



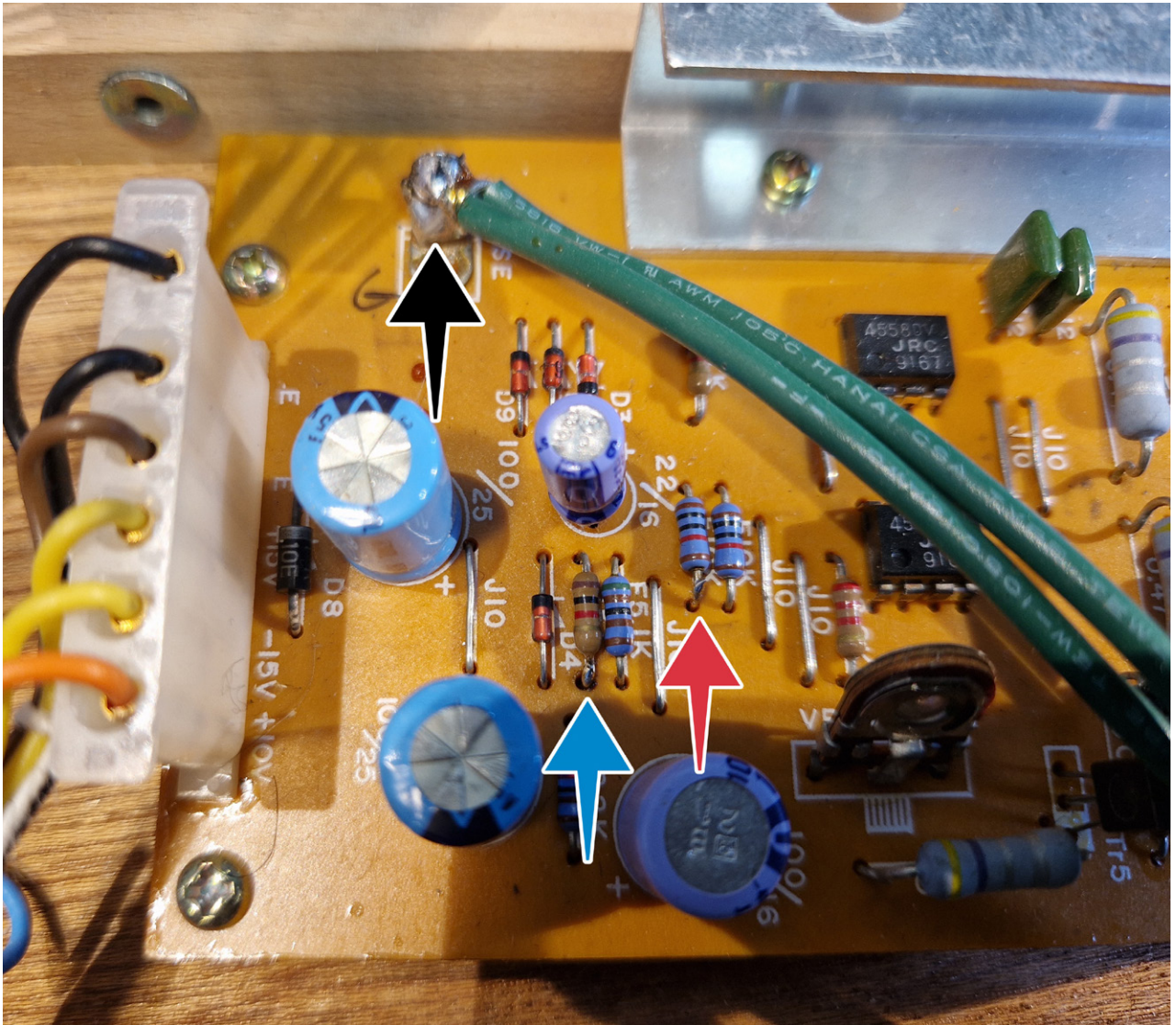
## Solder the power cables

Locate the PSU board and identify the 3 points shown in image. Using the 3 Wire (Red, Blue, Black) power cable, connect each wire to the appropriate location.

**NEG/BLUE** is the -15V.

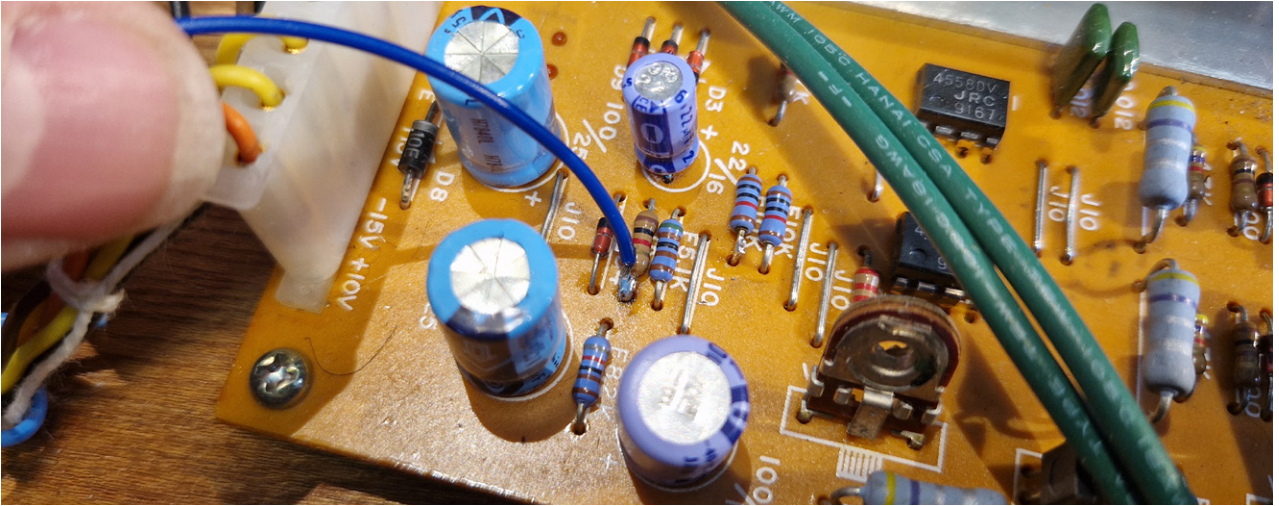
**POS/RED** is the +15V.

**GND/BLACK** is the ground cable.

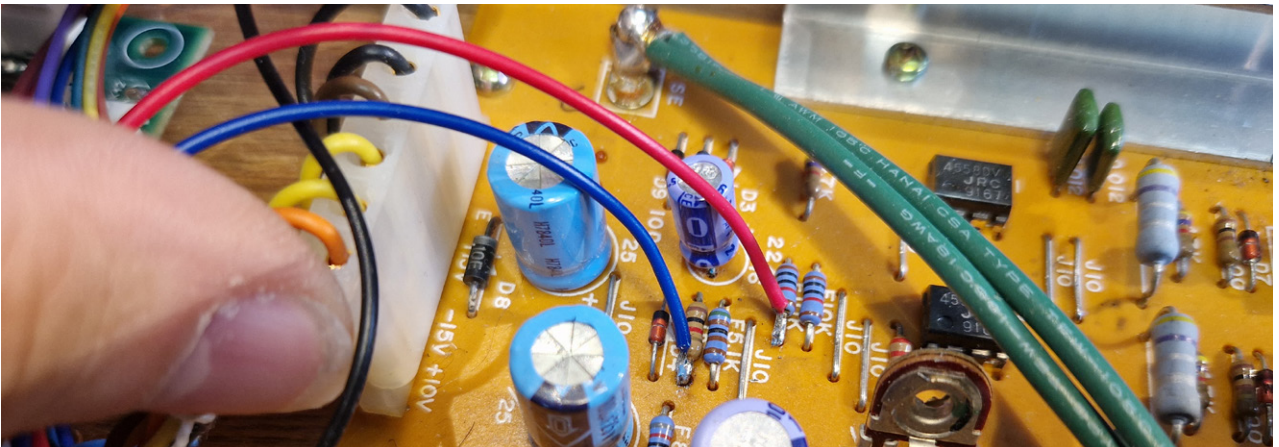


## Solder the power cables

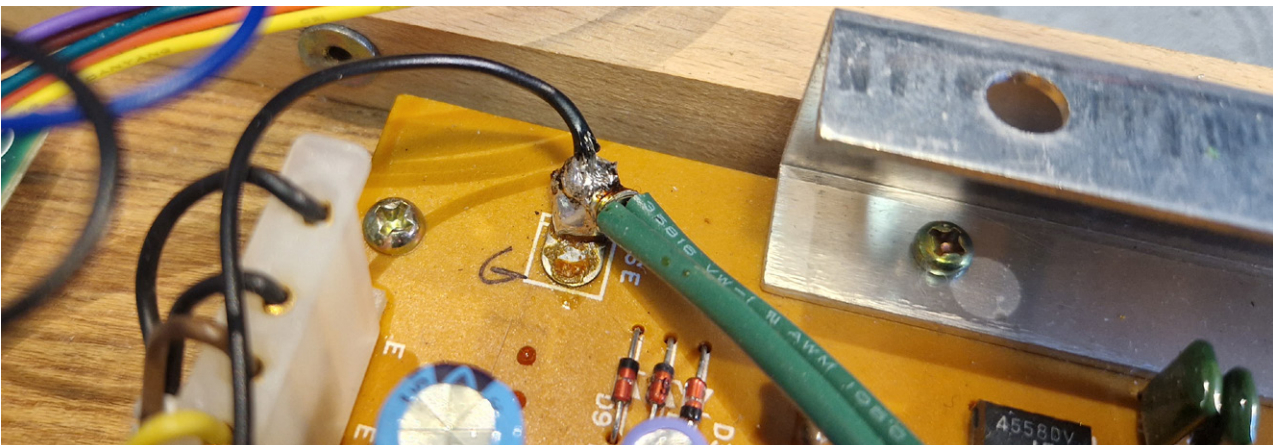
Locate the solder point as shown in image.  
Solder the **blue wire** to this point.



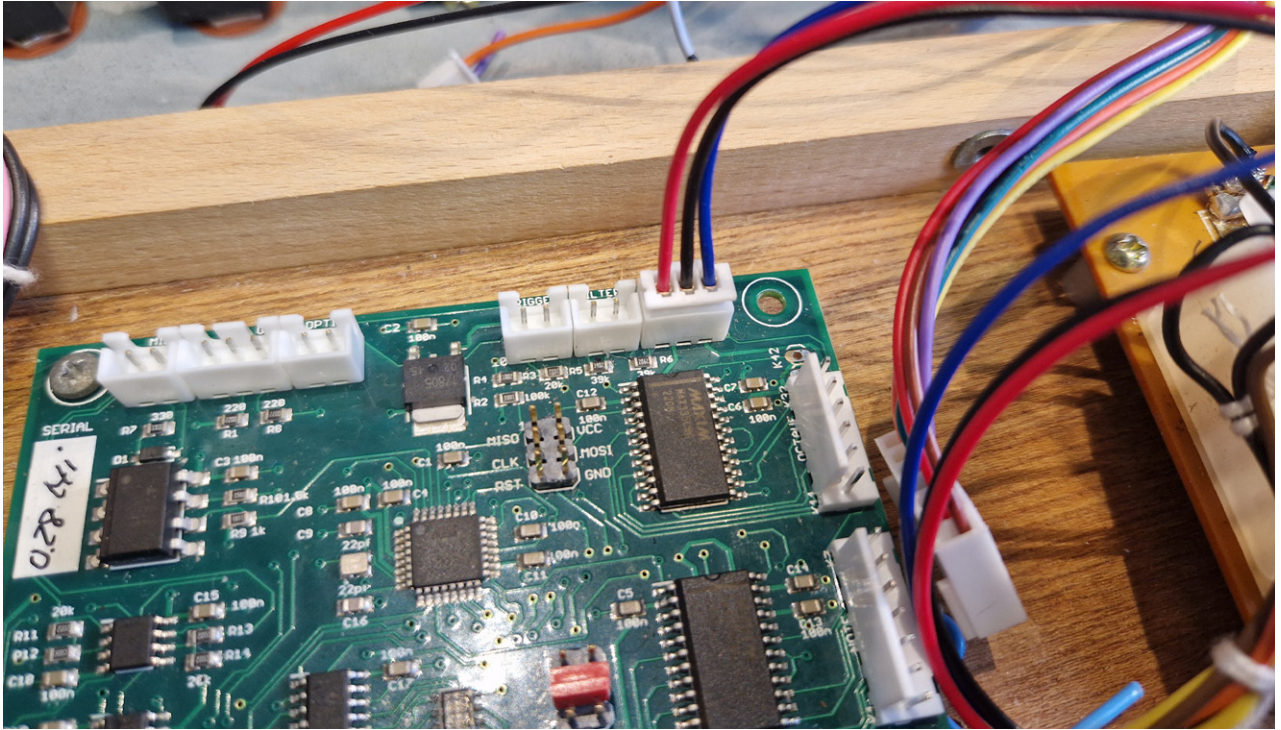
Locate the solder point shown in image.  
Solder the **red wire** to this point.



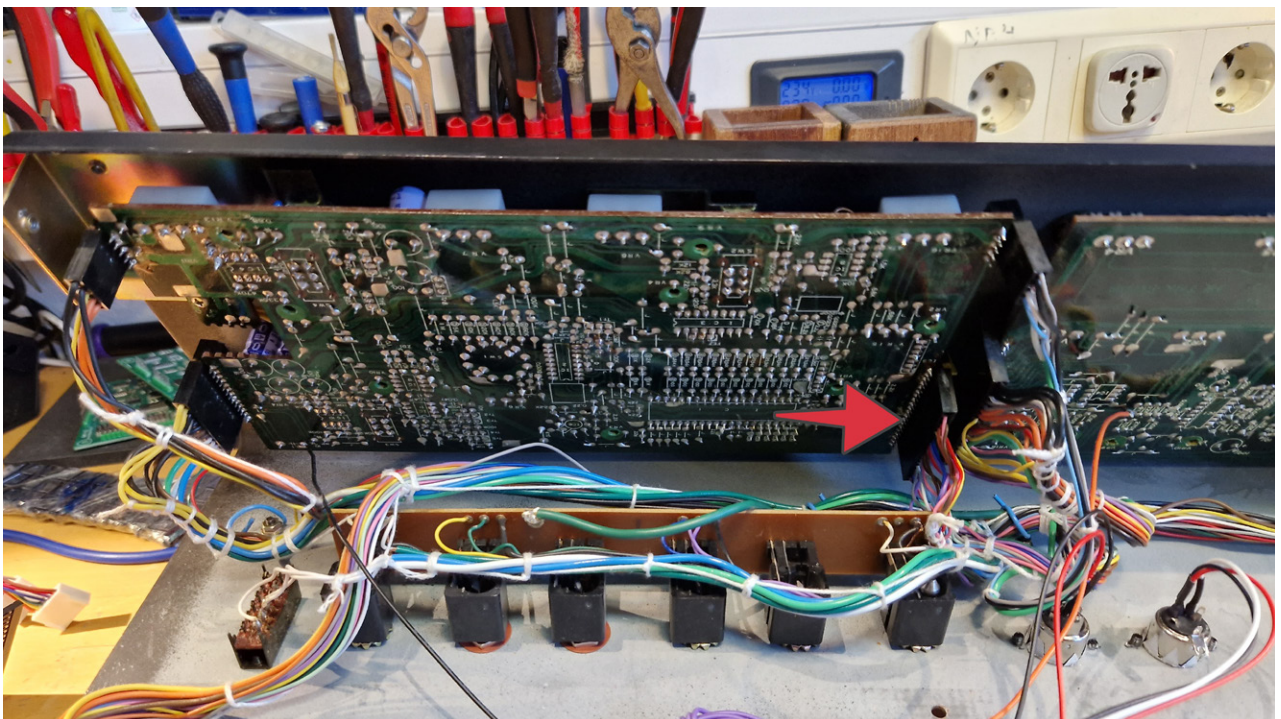
Locate the solder point shown in image.  
Solder the **black wire** to this point.



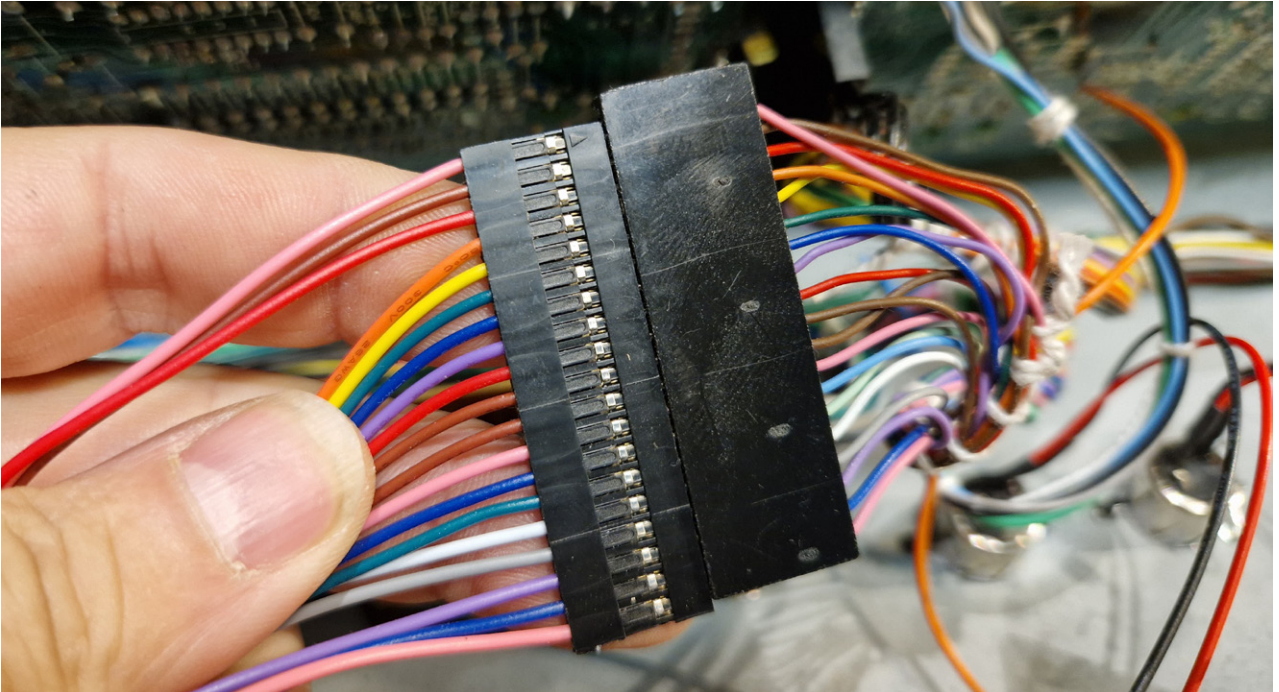
Now plug in the Power cable into Power on the MIDI Board as shown in image.



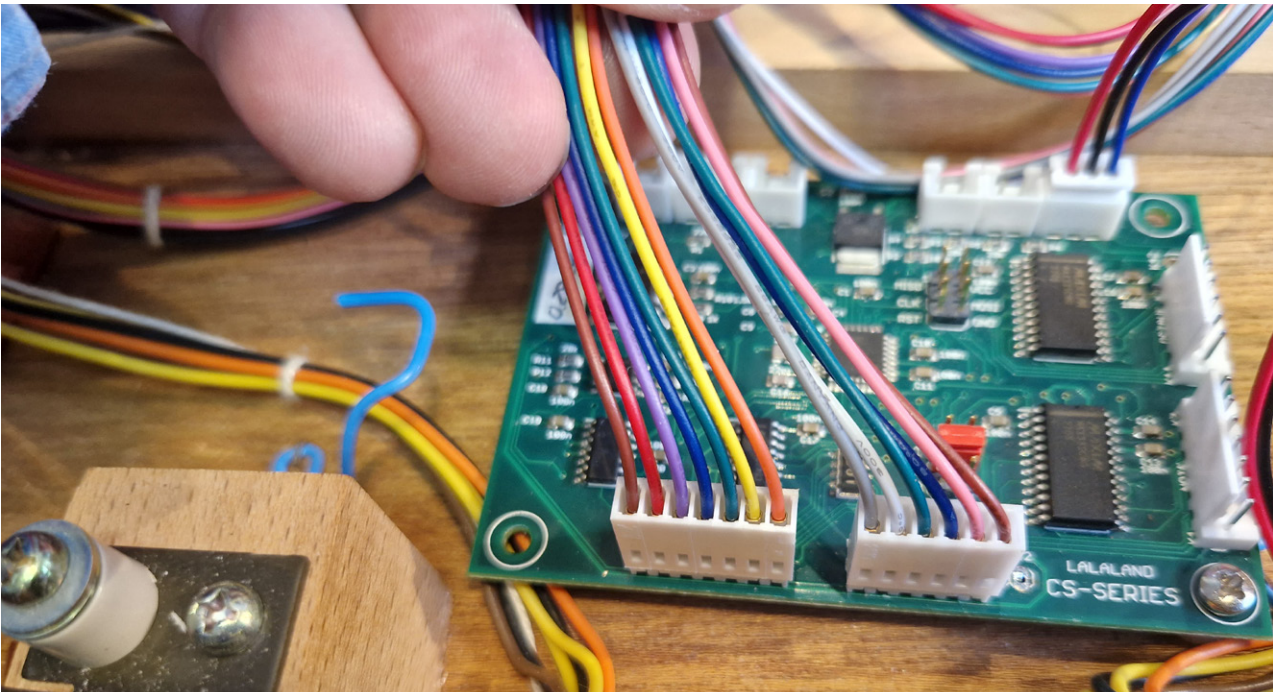
Locate and disconnect the 20 pin cable on the keyboard PCB as shown in image.



Connect the 20 pin cable to the provided female cable, match the colors and note the offset by the unused pin

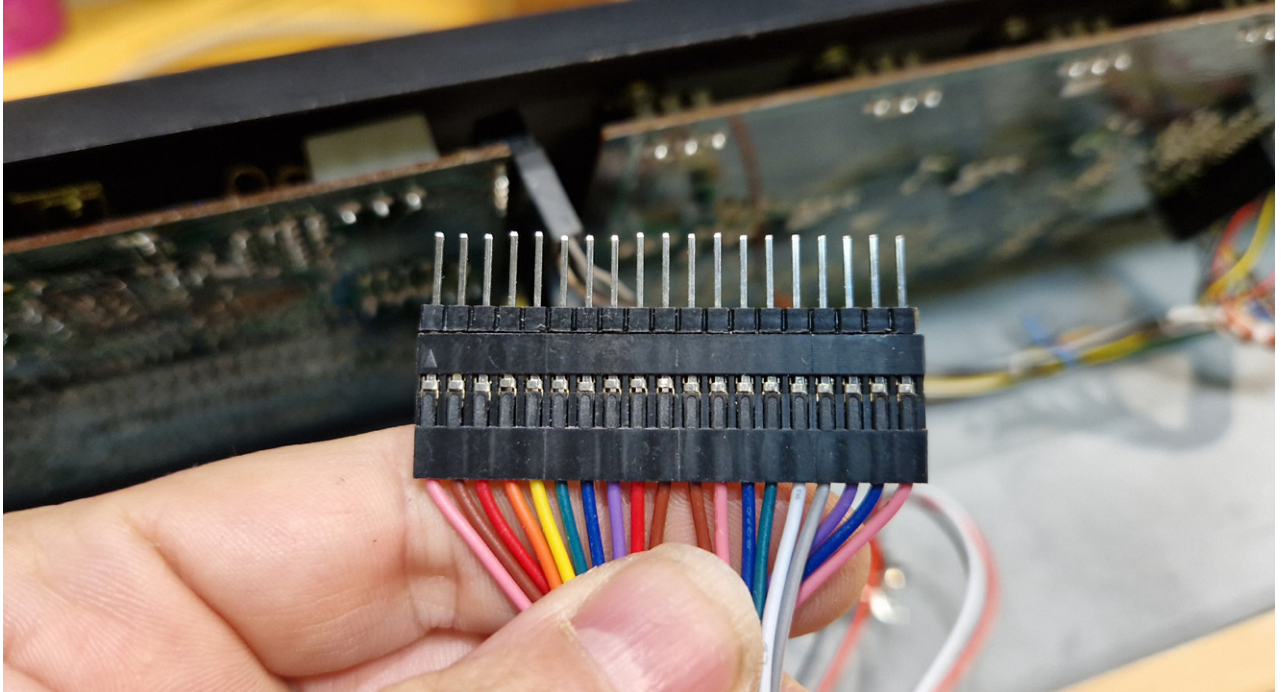


Connect the 6-7 pin cables from the previous cable to the MIDI Board.

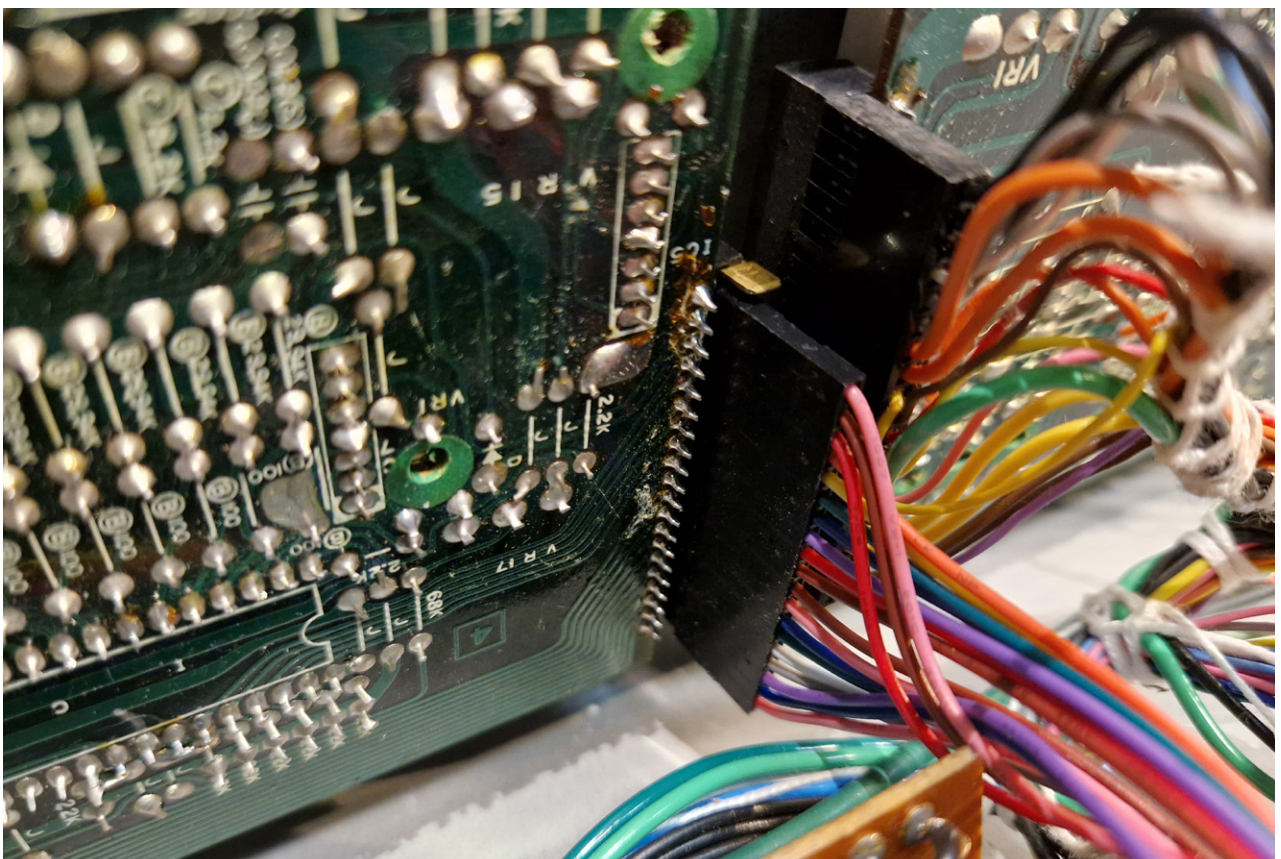




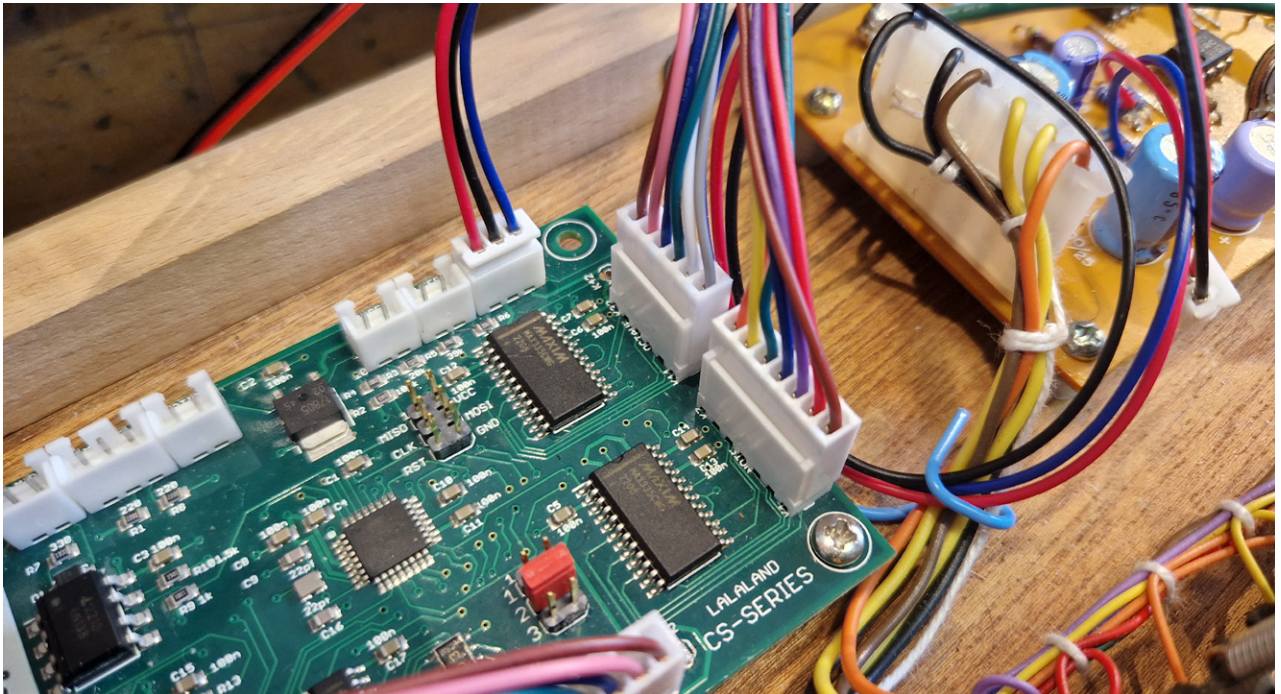
Using the MALE part of the connector.



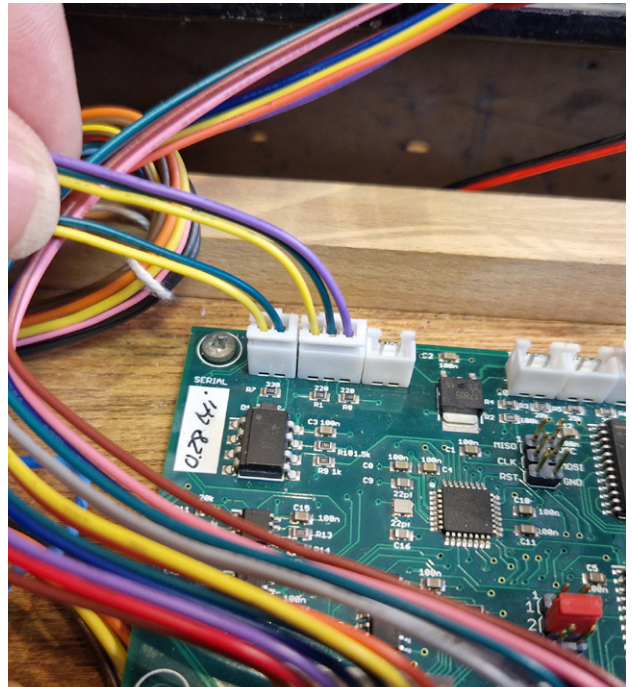
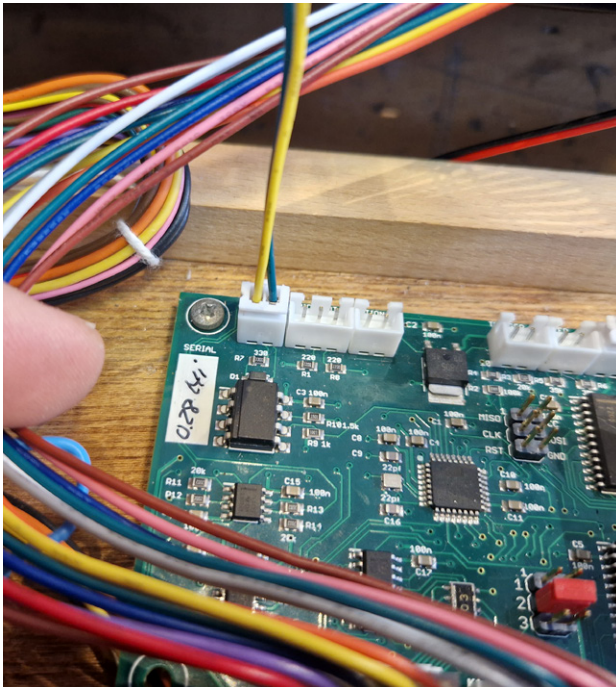
Connect the male part of the connector to the PCB (where you previously disconnected the original cable). **Note the colors and that the top pin is not used (In the synth).**



Connect the 6 and 7 pin cables from the previous cable the MIDI board as shown in image.



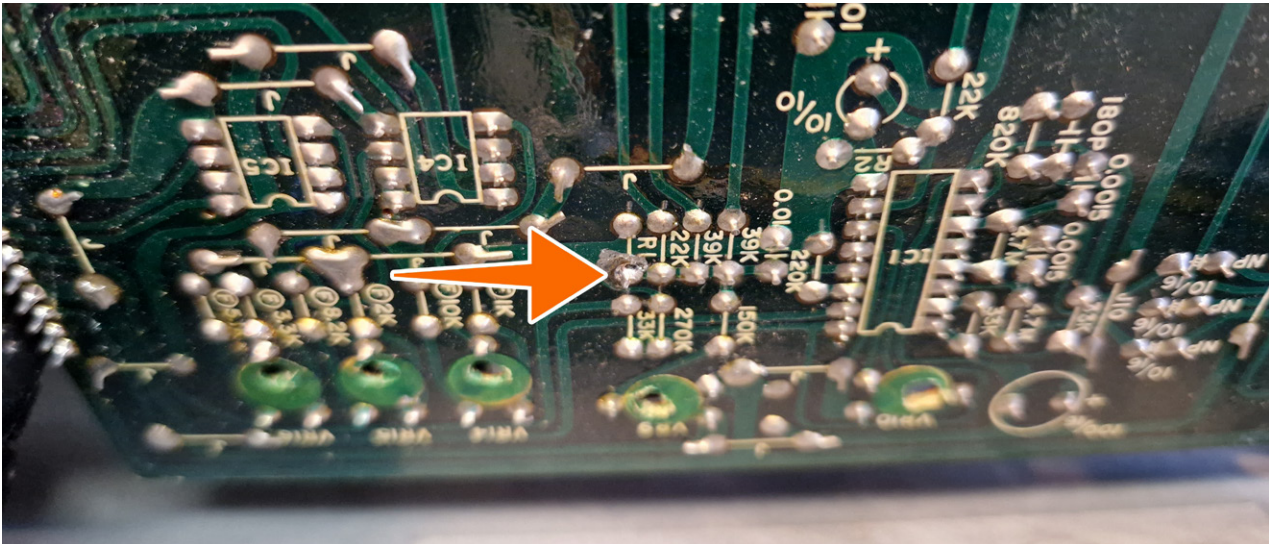
Connect the MIDI in and out cables as shown in image.



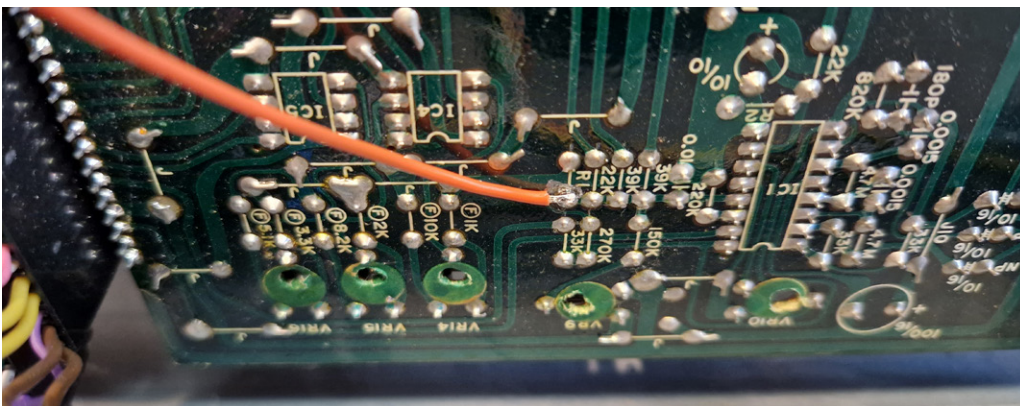
*NOTE: At this point the board, MIDI in/out is operational. Filter and envelope are optional.*

### Solder the filter cable(s)

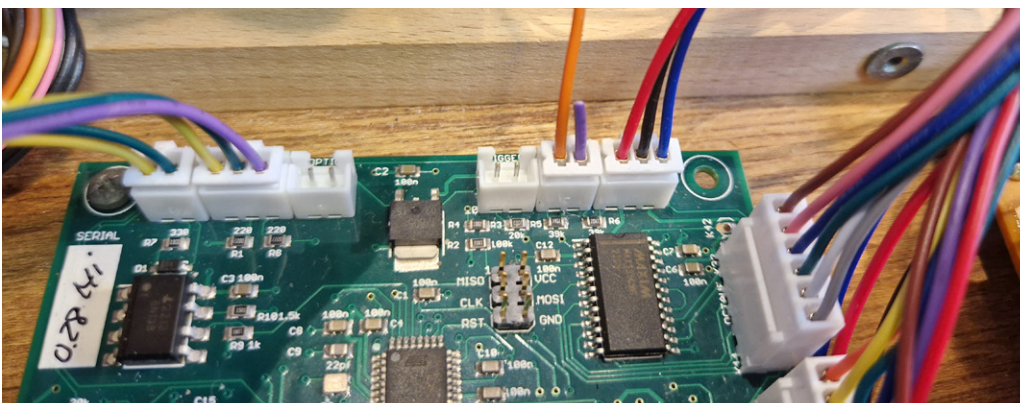
Locate the solder points shown here (Lower left on the right front panel board).



Use the provided orange and Purple cable. Solder the **orange wire** to this point shown in image (Purple is not used in the CS5)

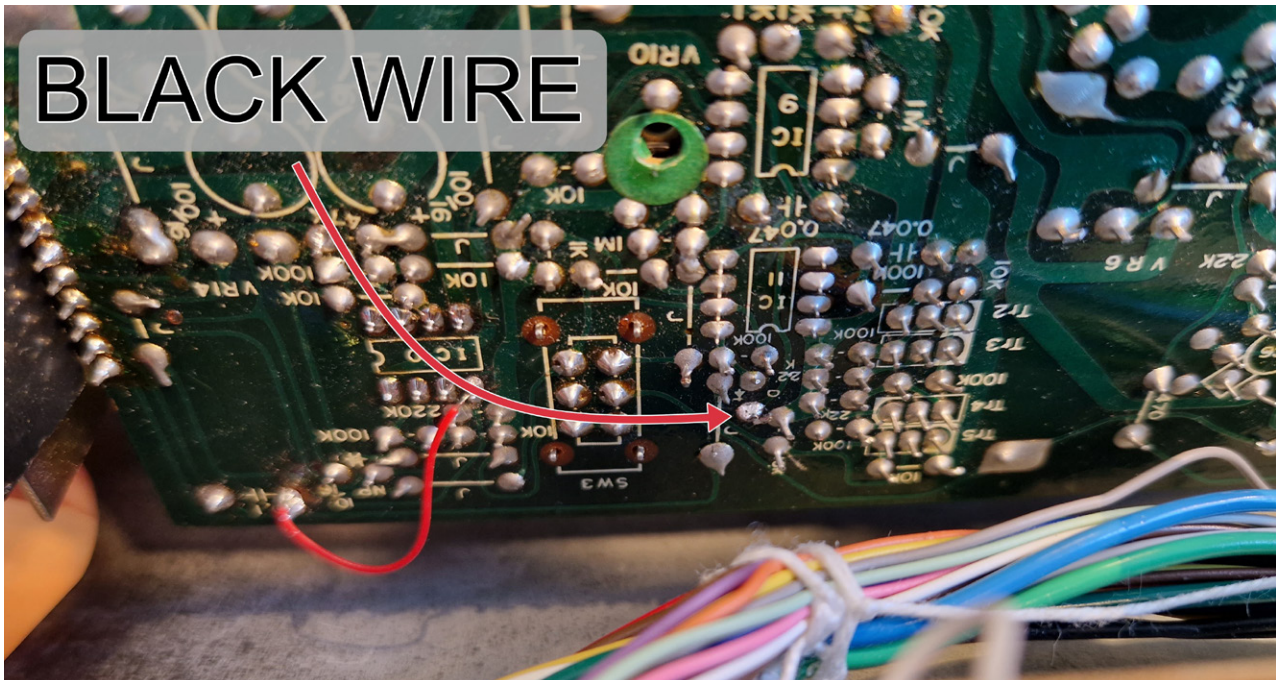


Now connect the 2 pin connector to the FILTER connector on the midi board as shown in image.



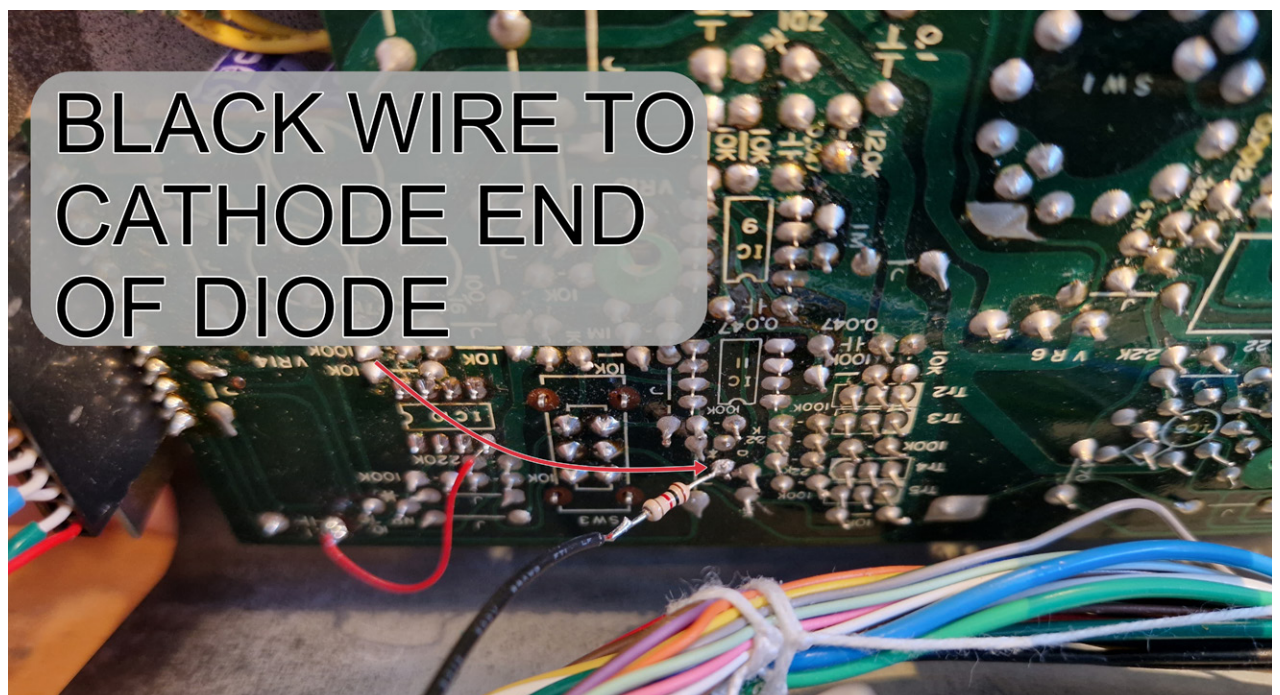
Solder the envelope trigger cable

Locate the solder points shown in image (Lower left on the left front panel board).



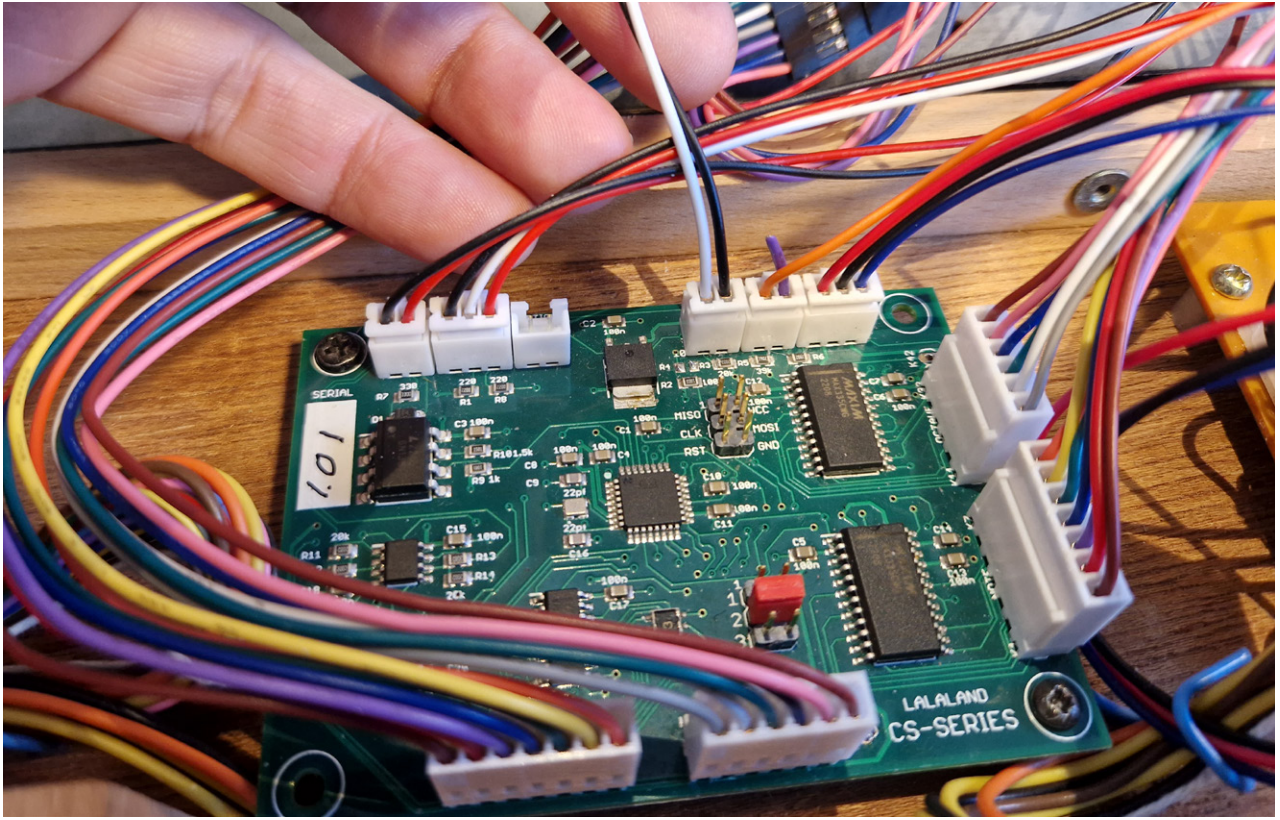
**BLACK WIRE**

Use the provided white and black cable (white is not used). Solder the black wire to this point shown in image using the provided 1k resistor.



**BLACK WIRE TO  
CATHODE END  
OF DIODE**

Connect the Black and White connector to the MIDI board.



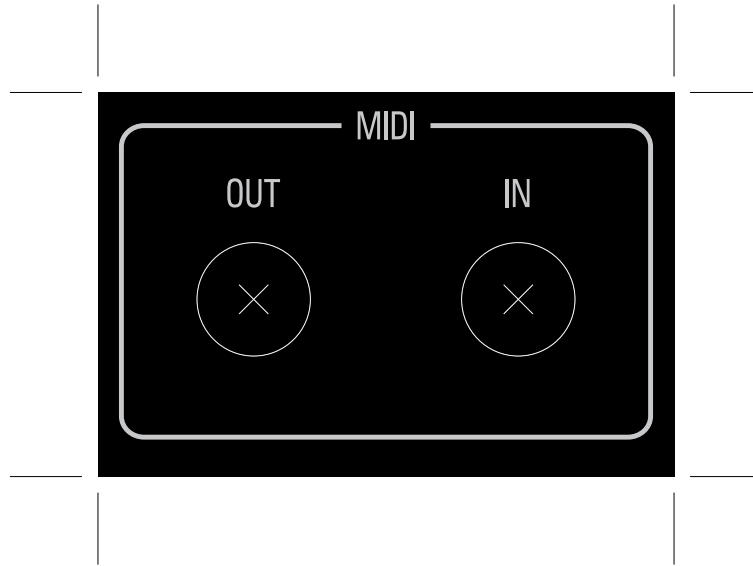
*You have completed the full installation.  
MIDI in/out, filter, envelope and all features are now operational.*

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

Disclaimer: Lalalandsynth is not responsible for any damage caused by improper installation.

MIDI drill template

Print out and use as drill template.



Congratulations on your CS10 Midi Kit  
May the force of creation be with you!

Join our early bird club at  
[lalandsynth.com](http://lalandsynth.com)  
for news about new products