

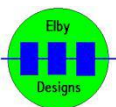


## ED116 Extended SH-Noise Generator

### Construction Guide

Revision 1.1

June 4<sup>th</sup>, 2019



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# ED116 Extended SH-Noise Generator

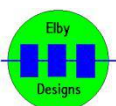
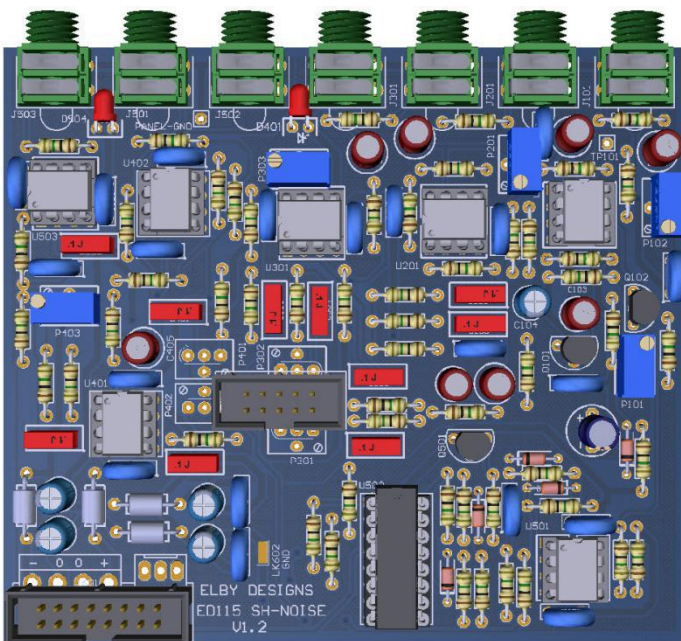
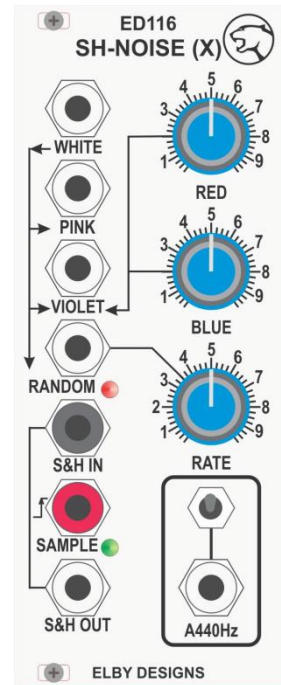
Construction of the ED116 requires the assembly of 2 boards:-

Column 1 – ED115 PCB ([3D Model](#)) ([PCB Overlay](#))

Column 2 - ED116 PCB ([3D Model](#)) ([PCB Overlay](#))

Constructors should refer to the printed Component Overlays for any specific comments regarding the board assembly, the Bill of Materials for the current value of all components and [General Construction Notes](#) for general PCB assembly guidelines. You are advised to check all of these documents on our website to ensure you have the latest copy.

1. Assemble the Jack Carrier Board assembly ([3D Model](#)) and Switch Carrier Board assembly ([3D Model](#))
2. Fit all components to the ED115 board except the 2x LEDs D401 and D504
3. Fit the 2x lens mounts to the front panel
4. Offer the sub-assembly to the front panel and secure using the supplied nuts.
5. Form the LED legs noting their orientation on the PCB and insert in to the sub-assembly.
6. Locate the LEDs in to their respective lens mounts and solder into place
7. It will now be necessary to calibrate the ED115 assembly as the trim pots will not be readily accessible once the module is fully assembled.
8. Temporarily install a (\*)16-pin IDC power cable to J601 on the ED115 PCB
9. Calibrate the ED115 as per the [ED115 Build Guide](#)
10. Remove the IDC cable from J601
11. Fit all components to the ED116 PCB except for the 2x carrier sub-assemblies.
12. Mount the 2x carrier sub-assemblies and offer up to the front panel.
13. Install the IDC cable J302 between J302 on the ED115 PCB and J1 on the ED116 PCB
14. Secure using the supplied nuts and washers ensuring that the switch action is vertical and solder into place.
15. Install the IDC cable J601 from J601 on the ED115 PCB to J503 on the ED116 PCB
16. Install the main IDC power cable to J502 on the ED116 PCB



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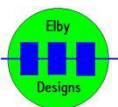
# ED116 Extended SH-Noise Generator

## Calibration

1. Monitor the [A440Hz] output
2. Adjust P501 for optimum sine wave shape

## ADDENDUM

1. Fit J503 on component side – note orientation
2. Cut track to J1\_4 (both sides)
3. Install J1 on component side (notch away from pot)
4. Link J1\_3 to J1\_4
5. Remove J302\_4



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