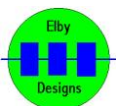




ES04 VC Multiplier 1

Construction Guide

Revision 1.0
March 20th, 2016



ES04 VC Multiplier 1

Construction of the ES04 requires the assembly of 1 board:-

Column 1 - ES04 PCB ([3D Model](#))

Constructors should refer to the printed Component Overlay 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 3 Carrier Board assemblies
2. Fit all components to the boards following normal assembly guidelines except sub-assemblies J103 and S101
3. Mount sub-assembly S101 on to its header, place the star washer on to the switch
4. Mount sub-assembly J103 on to its header and then offer the assembly up to the front panel and secure using the supplied nuts
5. Solder both sub-assemblies in to place

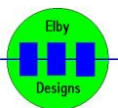
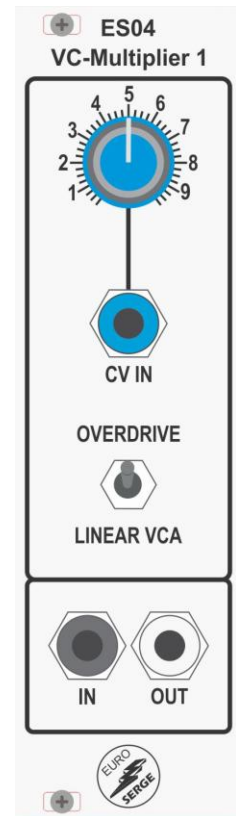
Calibration

Equipment required:-

1. 100Hz 5VDC p-p square wave

Calibration procedure:

1. Patch the square wave to [CV IN]
2. Set [CV IN LEVEL] to maximum
3. Select [OVERDRIVE]
4. Monitor [OUT]
5. Adjust P102 for minimum output



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