



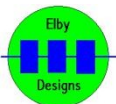
CGS736 Pulse Divider

Construction Guide

Revision 1.1

PCB Revision 0.2

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Panther Series – CGS736 Pulse Divider

Construction of the CGS736 requires the assembly of 4 main boards and 10 support boards:-

Column 1 - CGS736 Column 1 PCB ([3D](#)) ([PCB](#)) ([SCH](#))

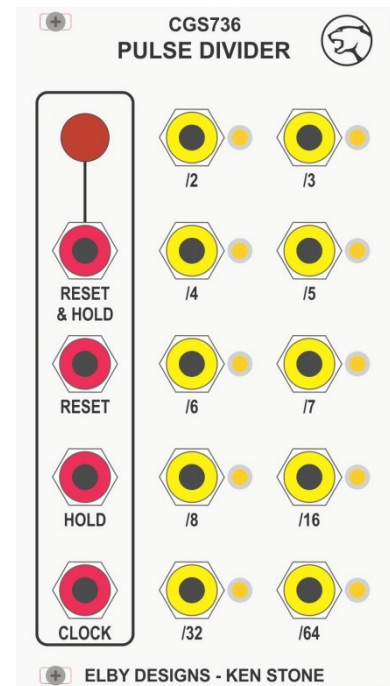
Column 2 - CGS736 Support PCB ([3D](#)) ([PCB](#)) ([SCH](#))

Column 3 – CGS736 Support PCB ([3D](#)) ([PCB](#)) ([SCH](#))

Back Board - CGS736 PCB ([3D](#)) ([PCB](#)) ([SCH](#))

Constructors should refer to the Component Overlays for any specific comments regarding the board assemblies, the [Bill of Materials](#) for the current value of all components and [General Construction Notes](#) for general PCB assembly guidelines. .

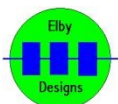
1. Assemble the 10x LED carrier boards ([3D Model](#))
2. Fit all components to the 4 main boards except for the 10x Carrier Boards.
3. Fit the 10x LED lens mounts to the front panel.
4. Offer one of the CGS736 Support assemblies to the front panel in the Column 2 position and secure using the supplied nuts.
5. Mount 5x LED Carrier assemblies and solder in to position
6. Repeat for the 2nd Support assembly in Column 3
7. Fit the Column 1 assembly and secure using the supplied nuts
8. Mount the rear main board ensuring that the IDC headers are correctly aligned.



NB: J104 is optional, it is only required for re-programming the micro controller with any future upgrades to the firmware (this feature is currently not supported).

Calibration

The CGS736 does not require any calibration or set-up.



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