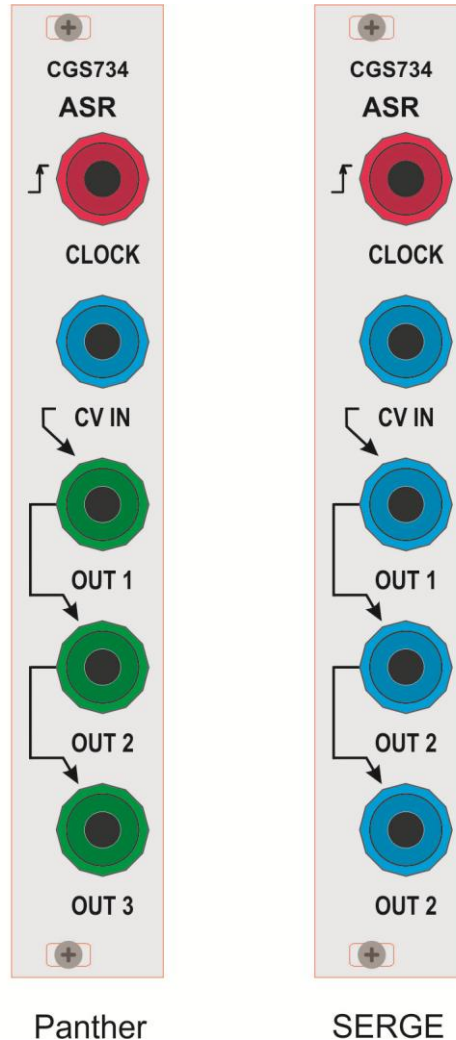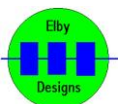# CGS734 – Analog Shift Register

The Panther CGS7xx Series are authorised re-releases of the popular Cat Girl Synth Series of modules from Ken Stone. Each module is revisited to determine if any improvements can be added to the original design and has been adjusted, where applicable, to fit the smaller profile of the EuroRack module size.

The CGS734 - ASR Module

Panther   SERGE

The CGS734 is an analog control voltage shift register, three stages in length. It duplicates the functionality of the Serge ASR, but goes about it in a very different way. It is great for producing "arabesque-like" sequences, trills etc., when used with VCOs. Of course its use is not limited to VCOs only.

Unlike ASRs produced using "bucket brigade" techniques, the CV outputs are constant from the beginning of the cycle to the end - there is no "charge period" in which a brief glide is heard.

The CV input/output range of the ASR is approximately +/- 10V.

How to use this module:

Connect the CV input to a voltage source such as a keyboard or sequencer. Connect the three CV outputs to the three modules to be controlled. Connect the clock input to a LFO or other low frequency trigger source.

To cascade the unit with others, connect the clock inputs to the same trigger source, and connect the third CV output of the first ASR to the CV input of the second ASR.
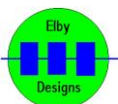
Configuration Options

There is 1 jumper that provides the following configuration options:-

JP101 –When enabled, the CV IN will be connected to the CV line of your busboard. Inserting a jack will override this allowing an external signal to be used.

In line with our EURO-SERGE modules and our Panther modules, the CGS734 is offered in 2 configurations:-

1. Panther 3.5mm: this is the typical euro-rack format utilising 3.5mm jacks. Jacks are colour-coded using our extended Serge-Patch-Colour codes and use Hi-Contrast, soft-touch blue-on-grey knobs
2. SERGE: this variant uses 4mm banana sockets and hi-contrast white-on-black ABS knobs. The patch-colour code follows the SERGE standard using the 3 colours Black, Blue and Red to distinguish between AC, DC and Logic signals

Power Consumption	+12V @ 2mA, −12V @ 1ma
Module Width	4HP
Module Depth	75mm