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# Quinarius

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Light Blue and Blue jacks: (Comparator Circuit) Input, gate output, and trigger output jacks. A signal is patched into the light blue jack, it will be converted into triggers and a gate signal. The threshold knob below it helps adjust the pulse width for the output. There is an LED indicator also with this circuit. On and Off triggers are just opposites of each other (01010101...). This circuit can be used to convert a signal into a pulse wave for example. Gate output is located all the way on the bottom.

Purple and Violet jacks: (Slew Detector) Input and outputs. A signal with rise and fall is patched into the input jack. The circuit will determine rise, high peak, falling signal. It will extract pulse waves on each portion of the incoming signal. The Sense Knob is used to adjust sensitivity. The toggle switch below sets the range for the sense knob. Normal or Low sensitivity is possible. There are Led's to help signal when each stage happens. Rise, Equal, and Fall jacks are pulse outputs.

How do I use the Slope Detector?

For example you can patch a triangle wave into the input. You can use the Rise, Equal, and Fall jacks to trigger an envelope generator at certain periods of the triangle wave's cycle.

You can also boost audio to synth level using the booster circuit, and patch that into the slew detector to trigger pulses at certain periods.

Aqua and Grey Jacks: (Envelope Follower circuit). Input and Output jacks. Synth Level audio is patched into the input jack. An Envelope will be created from the transients. The Frequency knob is used to adjust and smooth out any spikes on envelope output.

The incoming audio will determine the envelope height and decay. Soft signals will give softer results in other words.

Quinarius just means there are five utilities found on this module.

Many of these circuits have roots to an older product called the BLM Hot Rails Module.

EURO FORMAT SPECS:

CURRENT: +62mA, -46mA

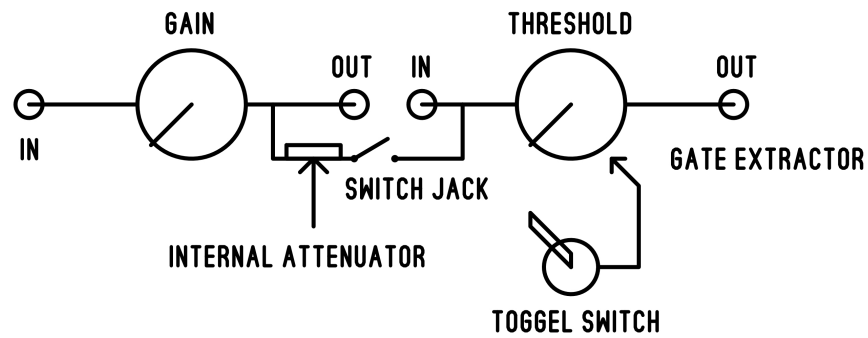
WIDTH: 12HP

PCB STACK LEVEL: ONE, SKIFF COMPATIBLE.

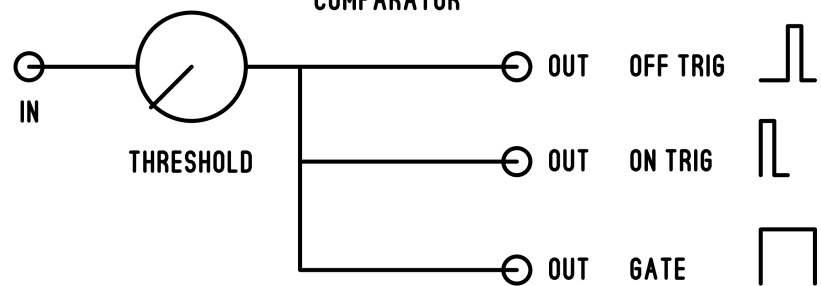
RIBBON POWER: -12V GND GND +12V, NO 5V REQUIREMENT NEEDED.

ALL BLM PRODUCTS USE RED STRIPE FOR NEGATIVE POWER INDICATION.

BOOSTER AND GATE EXTRACTOR



COMPARATOR



ENVELOPE FOLLOWER



SLEW DETECTOR

