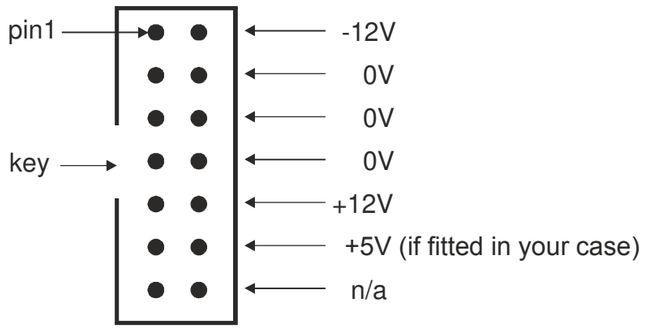
Power connector as found on Medic Modules




**Overview:**
EKG is a Sequencer medical module.

It has some original and unique modes that can be selected individually for each step.

**Specification;**
Width: 38HP
Depth: 25mm
Weight: 285g
Voltage: -/+12V
Power Consumption: +12V, 15mA / -12V, 28mA

Doepfer style power cable included.
Screws not included.

**Mounting/Connection tips;**

The supplied power cable is keyed. That means it can only be fitted one way! (Unless you use excessive force).

Pin one is at the top on our modules (Doepfer fit their sockets upside-down).

Medic Modules use a 14 pin 'boxed' header on the PCB.

The two ends of the power cable are different. Plug the 14pin socket end into the Module power header.

Plug the larger 16pin socket into your case power supply.

*Note:* Physically disconnect your power supply/case from the mains electricity.

Ensure you connect up the module correctly!

Ensure it is screwed into the case.

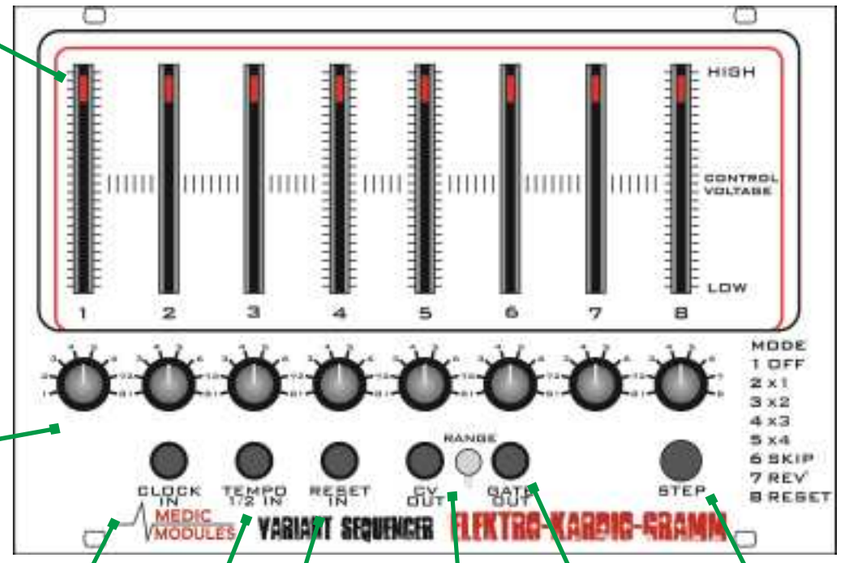
Ensure no metal parts can short out the solder joints on the rear.

Ensure your case is 100% functional before fitting the module.

It has been found over the last 15 years of making modules, that around 90% of module problems have typically the following user problems;

Power cable connected wrong, faulty power supply, other poor quality modules fitted in the case affecting other modules.

**CV Output Level**
This slider sets CV level for the selected Step.




**Mode Switches**
This 8 way rotary switch sets the Mode for the selected Step.

**CLOCK IN**
This is the clock input. Use a 5V clock signal, or a signal from an LFO.
To Sync to your DAW we recommend you use a MIDI-CV or MIDI-Trigger converter, such as our M2CV or MT9. Use MIDI-CV Gate input, and control Stepping via MIDI Note!

**TEMPO 1/2 IN**
When this socket sees 5V, the sequencer will run at half speed. You can patch the CV Output back into here to half the tempo when the CV slider is over approx. 50% or use a control signal from your modular.

**RESET IN Socket**
When this socket sees a 5V signal, the sequencer will reset to Step 1.

**CV OUT & RANGE**
Connect the CV out to your modular synth's VCO to control Pitch, or to Cut-Off on your Filter.

RANGE changes the range from approx. 5V to approx. 10V. Typically use the lower range to control Pitch, and the higher range to control cut-off.

**GATE Output**
Connect this to the EG Trigger input on your synth. Output is 5V.

**STEP Push Button**
Use this button to manual advance the sequencer to the next position.

**MODEs Explained**.

1/ **OFF.**This essentially a Rest. No Gate sent out. Note, CV is still sent.
2/ **x1** The step is played once, with one Gate being sent out.
3/ **x2** The step is played twice, with two Gates being sent out.
4/ **x3** The step is played thrice, with three Gates being sent out.
5/ **x4** The step is played four times, with four Gates being sent out.
6/ **SKIP** The step is entirely missed and the sequencer instead jumps to the next step.
7/ **REV(erse)** The sequencer plays backwards all the way to step one.
8/ **RESET** Sequencer resets to step One. This step is not 'played'. Use this to change sequence length.