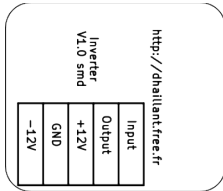
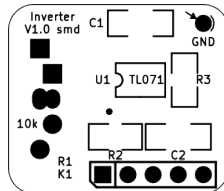


Attenuator - Inverter

V1.0b SMD

(inverter 1.0b smd - BOM & doc 20160523)

Designation	Qty	Reference
100 nF 1206 SMD	2	C1, C2
5x1 Pin array male or female	1	K1
10k 9 mm Linear potentiometer	1	R1
10k Ohm 1206 SMD Resistor	2	R2, R3
TL071 SMD SOIC8	1	U1



How to build

Start by soldering the SMD components. By hand, solder U1 first, then C1, C2 and R2, R3.

Before soldering R1, remove if necessary the potentiometer protruding tab (use pliers to do so).

You can connect wires directly for K1, or use either a female or a male connector.

Pin 1	Input signal (+/-10V max for +/-12V power supply)
Pin 2	Output signal
Pin 3	+12V power input (+15V max)
Pin 4	Ground (GND)
Pin 5	-12V power input (-15V max)

How to use

Connect Pin 3, 4 and 5 to a power supply. The module needs a split power supply (positive and negative voltages, plus ground) and can be powered with values ranging from +/-9V up to +/-15V. (Check TL081 Datasheet for details).

Feed the input pin with voltages between -10 and +10V if powered at +/-12V. If the input signal is higher, the circuit will saturate.

Collect the output signal on Pin 2. Do not overload the output (an Opamp cannot drive low impedance loads such as speakers).

Need help? Please contact me :

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