Bill's TinyMixer

Do not order all the BOM but select what you need according to how you will use the TinyMixer.
Suppliers are suggestions, except Thonk's stereo pots the parts are easy to source from other suppliers.

The resistors and pot values are suggestions, thanks to the circuit's simplicity, vertical resistors and pots value is not critical and can be modified.
The horizontal resistors in series with the LEDs should be selected according to the LED type and desired brightness. The LEDs work with CV signals only.

The Cliff jack sockets fit both minijack and tinijax plugs.

To use the TinyMixer **mono**, use normal pots and mono jack or banana sockets. Solder the 3 vertical resistors next to the pots, the ones next to the sockets are not needed.
Banana sockets can be mounted horizontal to the pad on the rear or vertical to the slots. The pad behind the first pot and slot near the LED are for the ground connection.
Mono minijack sockets should be mounted near the edge.

To use the TinyMixer **stereo**, use dual gang pots and stereo jack sockets. Solder the 6 vertical resistors next to the pots and to the sockets.

The LEDs don't work with audio signal, only with CV and attenuate the signal. Are fun but not essential.

Banana and jack sockets can be mixed.

Thank you and happy building !

BOM

Part	Quantity	Supplier suggestion
2k7 resistor (vertical ones in series with the pot)	6 (stereo) or 3 (mono)	Tayda
1k resistor (horizontal ones in series with the LEDs)	2 (stereo) or 1 (mono)	Tayda
3mm LED	2 (stereo) or 1 (mono)	Tayda
Johnson / Cinch banana socket	5	Mouser
Cliff FCR1295 stereo jack socket PC mount	4	TME
Cliff CL1384 mono jack socket PC mount	4	TME
Alpha 9mm pot 5k to 1M lin (for CV)	3	Tayda
Alpha 9mm pot 5k to 1M log (for audio)	3	Tayda
Alpha 9mm pot dual gang 50k or 100k, lin or log (for stereo)	3	Thonk
Banana gender changer		eBay
Minijack stereo gender changer		eBay

Tip

The LED for mono is the top one (on the pots side) but the bottom one can be used for better visibility if the ground banana is mounted vertically, connect it like this :