

CHILL III Quick Solder Kit Instructions

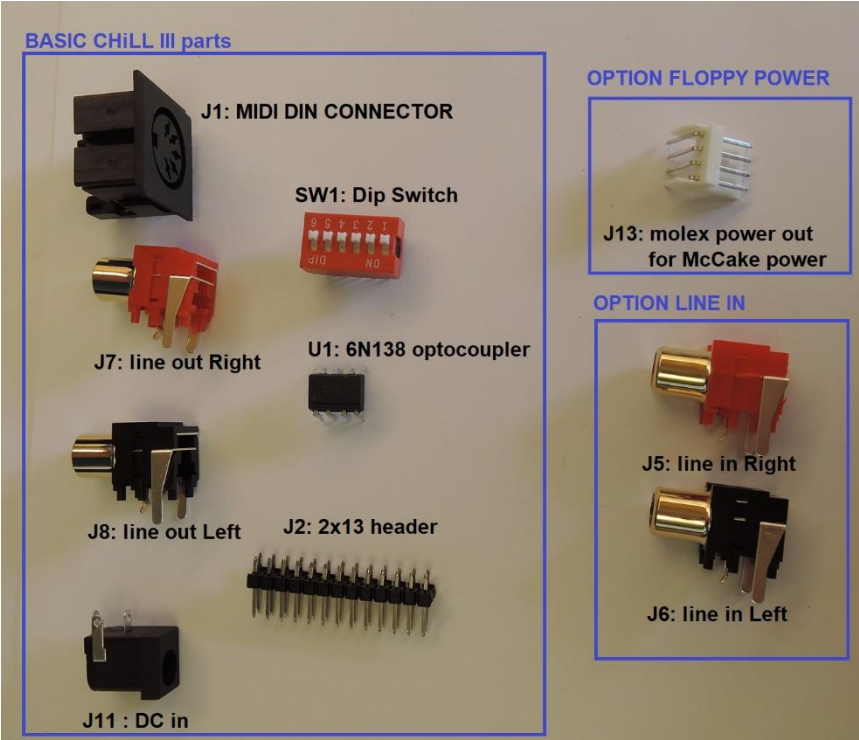
Serdaco, July 10th, 2021

Solder kit contents

- CHiLL III PCB, with SMT parts pre-soldered.

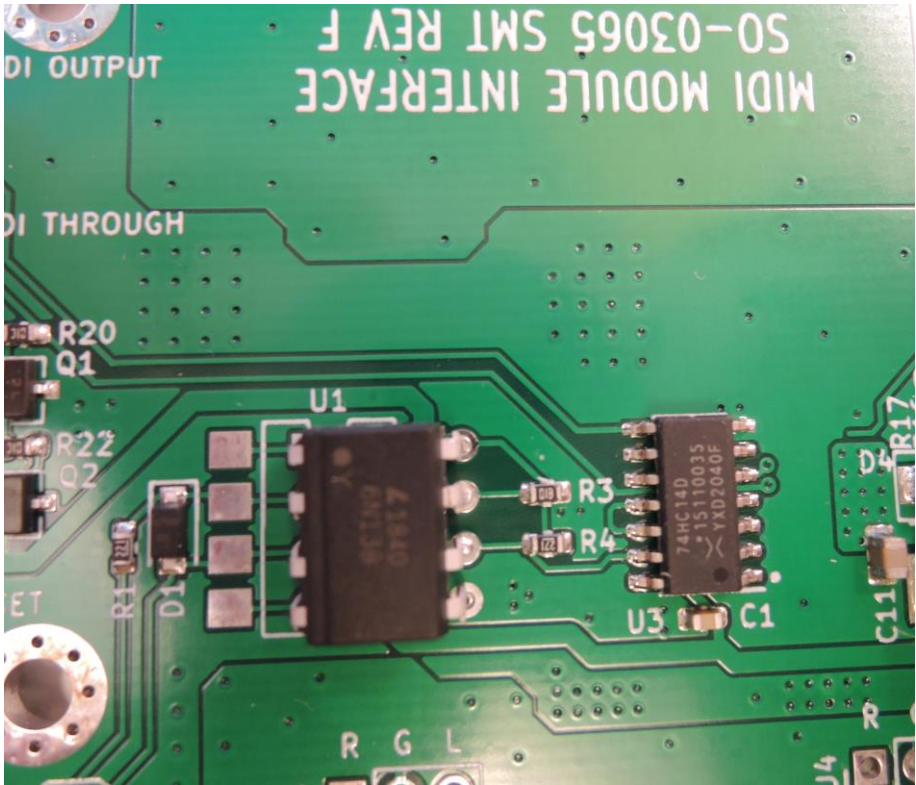


- Through hole components, according to options selected

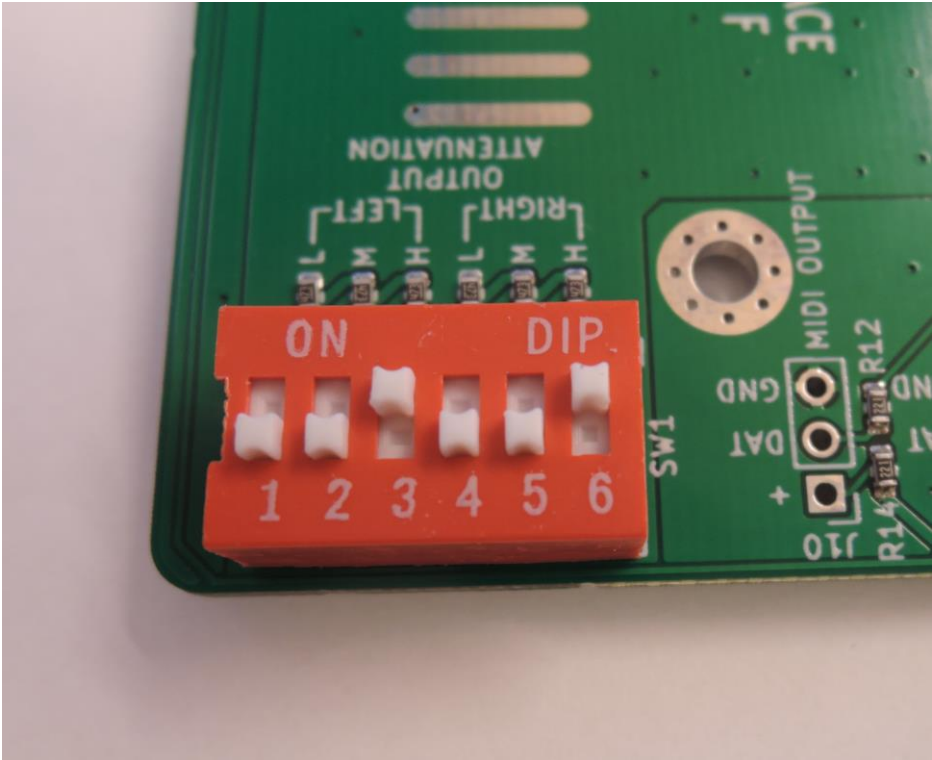


Basic CHiLLL III Soldering instructions

Solder U1: 6N138 chip. Make sure to respect the chip orientation. (white dot indicates pin 1).



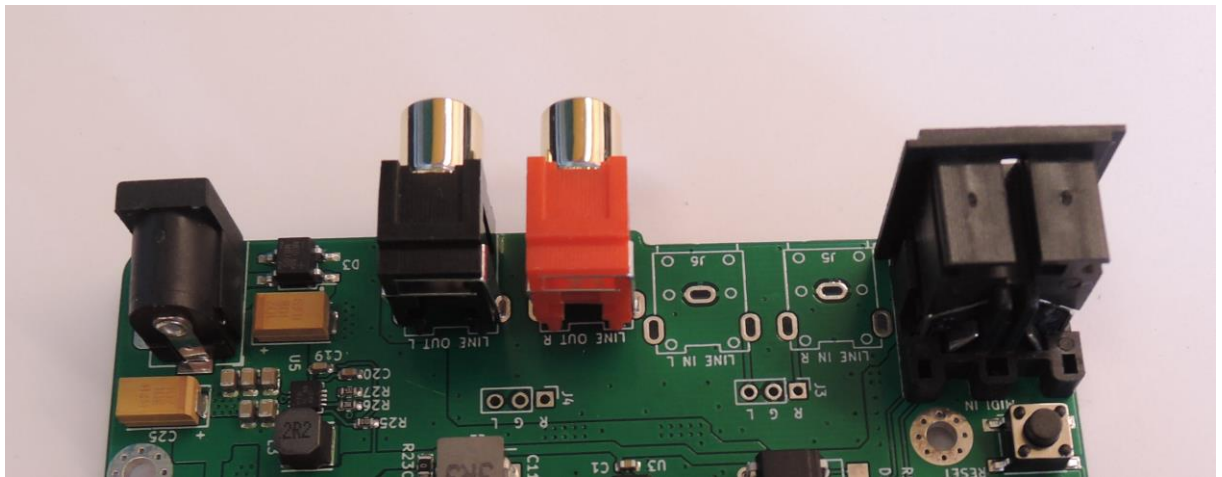
- Solder SW1 : dip switch



- Solder J2: 2x13 header



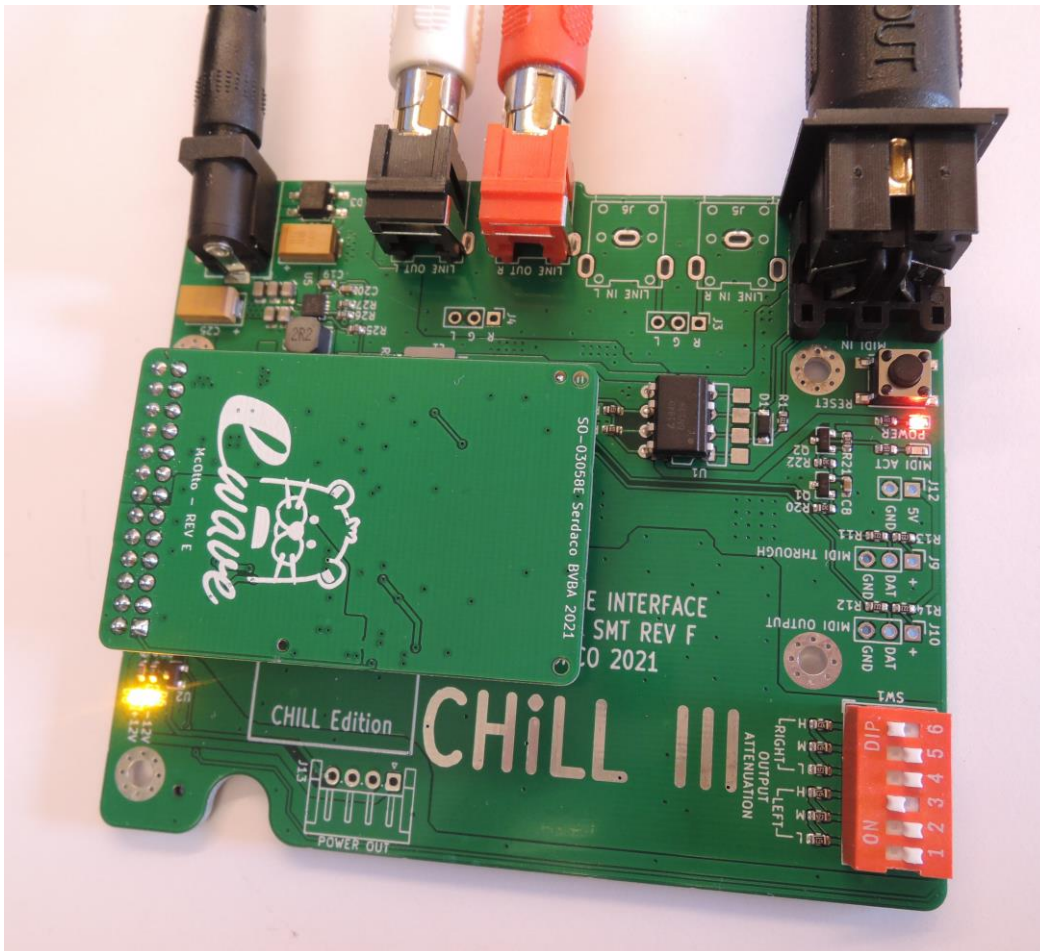
- Solder J11 (DC jack), J7 (line out R), J6 (line out L), and J1 (MIDI DIN connector)



CONGRATULATIONS YOU NOW COMPLETED THE BASIC CHILL III board



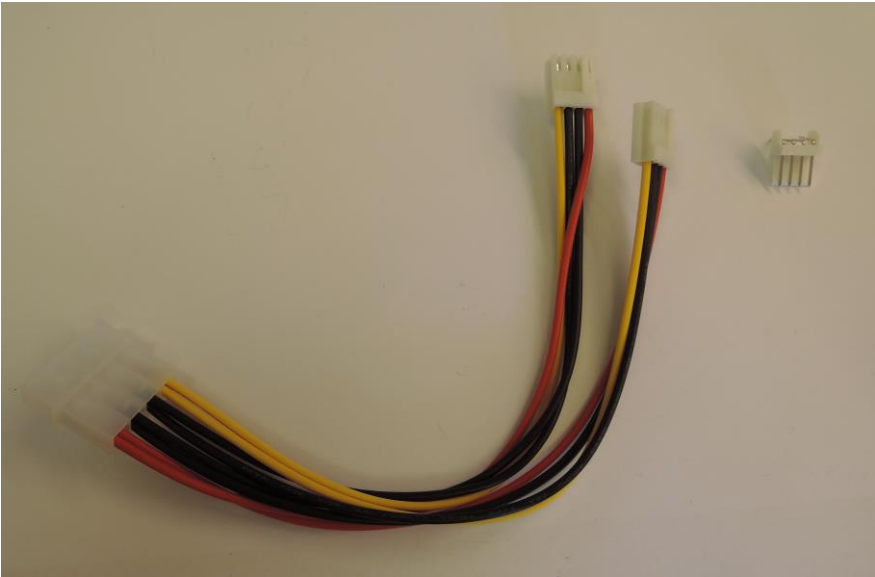
You can test the board using a power supply, midi interface, and of course a waveblaster board



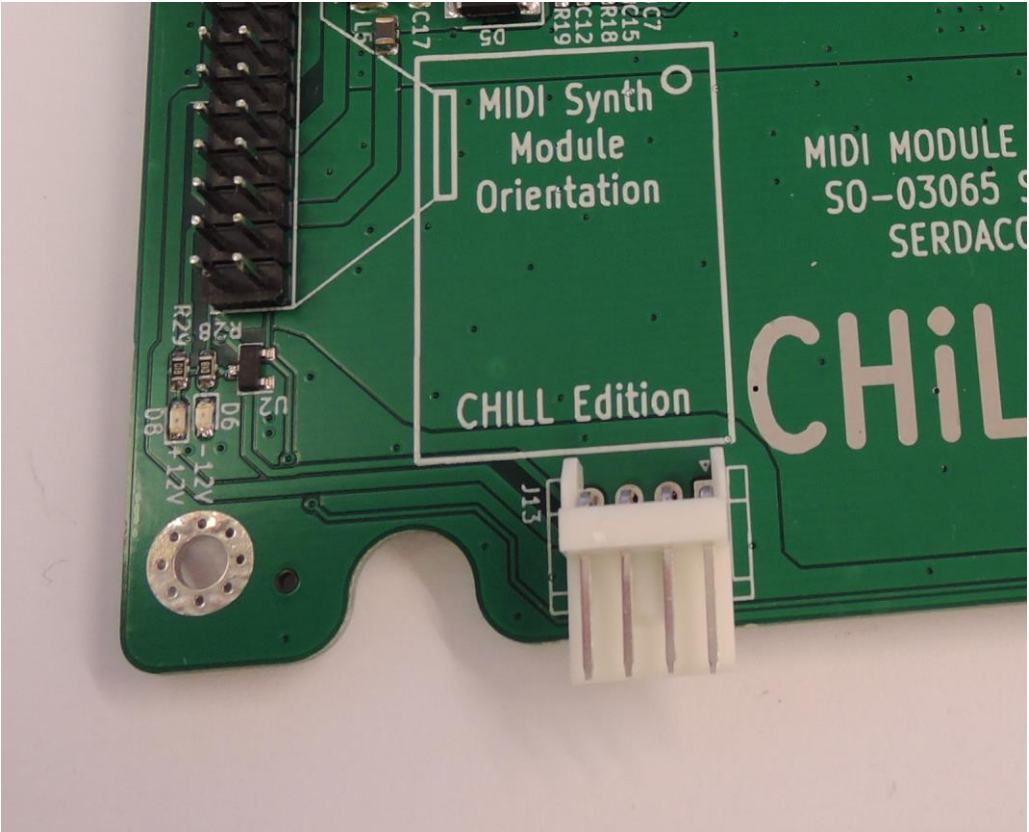
Make sure to set the dip volume setting according to your preference (see photo).

OPTION : McCake floppy power expansion kit

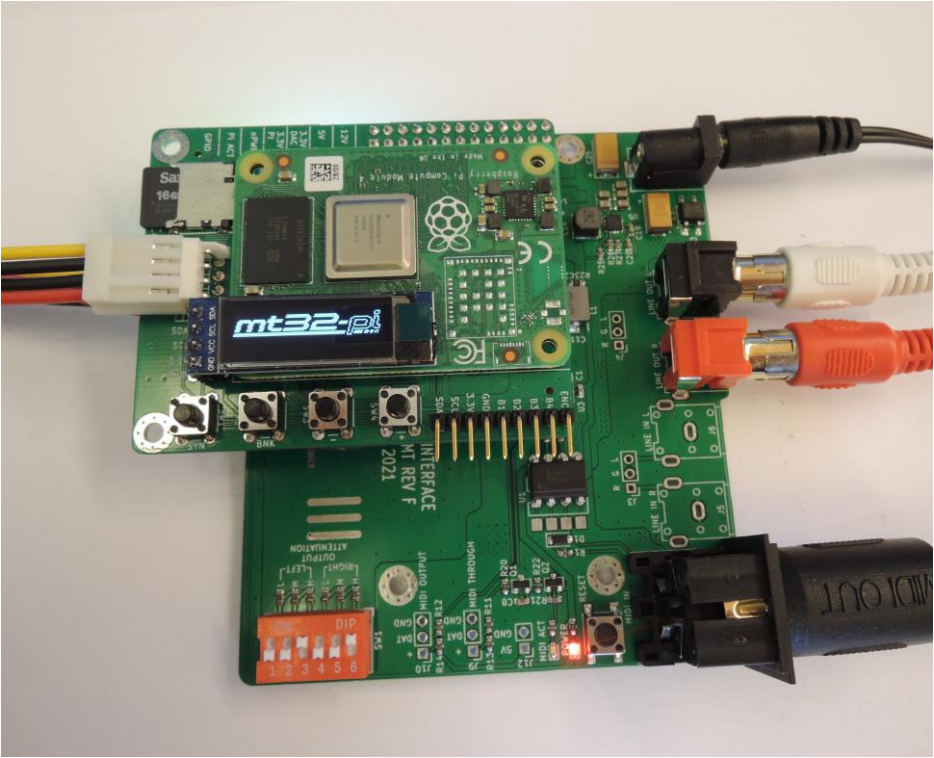
Optionally you can order a floppy power cable + suitable molex connector, to power the McCake Waveblaster board.



Solder the molex connector to position J13



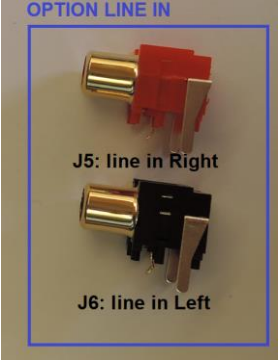
This allows to power McCake using a floppy power cable:



OPTION : Line in connectors

Some waveblaster cards, like NEC 386 / DB60XG support effects processing on line in.

CHiLL III can be expanded with line in connectors, to support this feature :



These are easily added to the board :

