Building the GM5x5x5

Introduction

The GM5x5x5 is a midi interface for your computer. bla bla bla

Building Level

Noob guides have an difficulty indication from 1 to 5 where 1 is easy and 5 is hard to build. If you have never started a project before we urge you to start with a level 1 project first.

We indicate this project as Building level 3

Tools Needed

To start building your GM 5x5x5 board you will need some tools. Offcourse you could be creative and use whatever you like but this document is trying to be failsafe.

- Soldering Iron
- Soldering Flux
- Wire Cutter
- Beer
- etc put in pictures and so

Component List

The list is build up from components that should be solderd on the board in this order. However exeptions can be made. See building chapter for changes.

Diodes

Resistors

Sockets

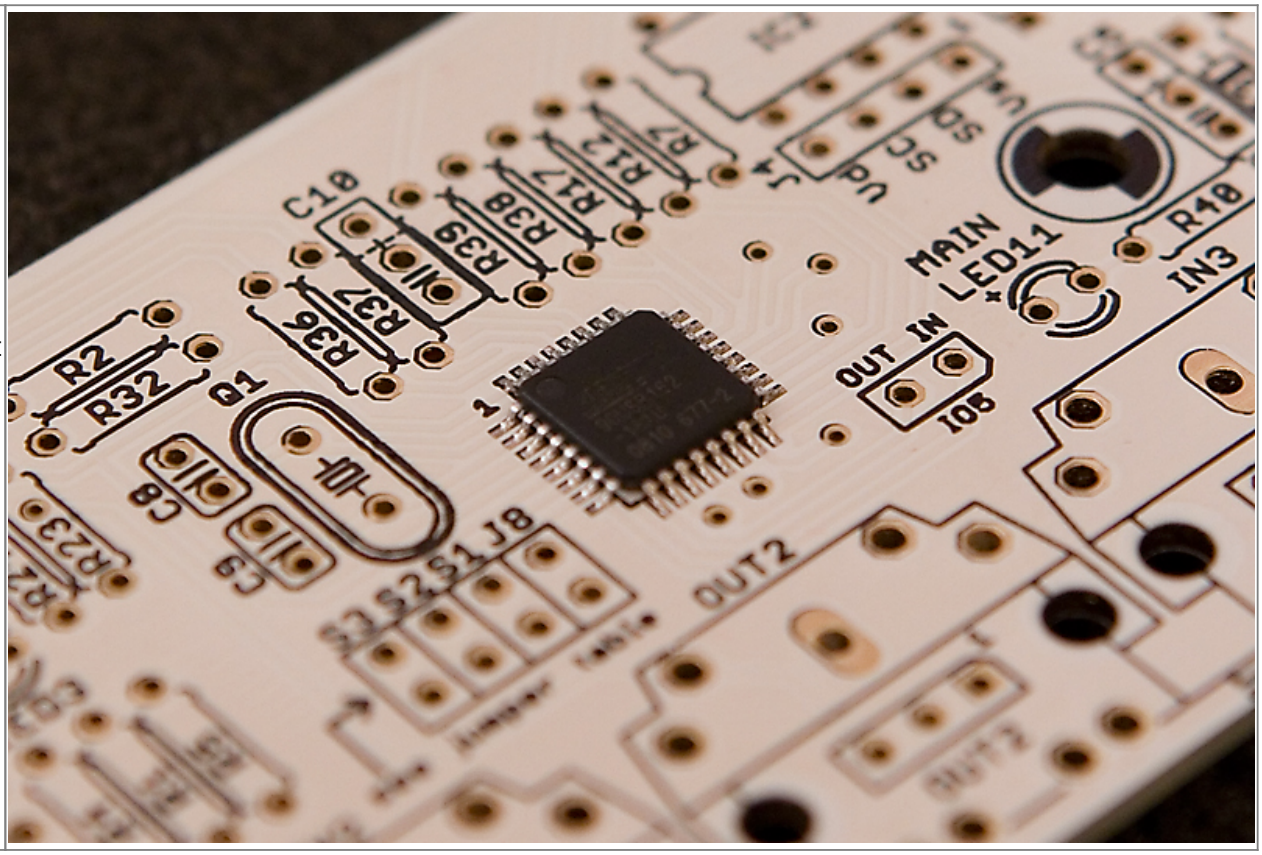
Capacitors

Other

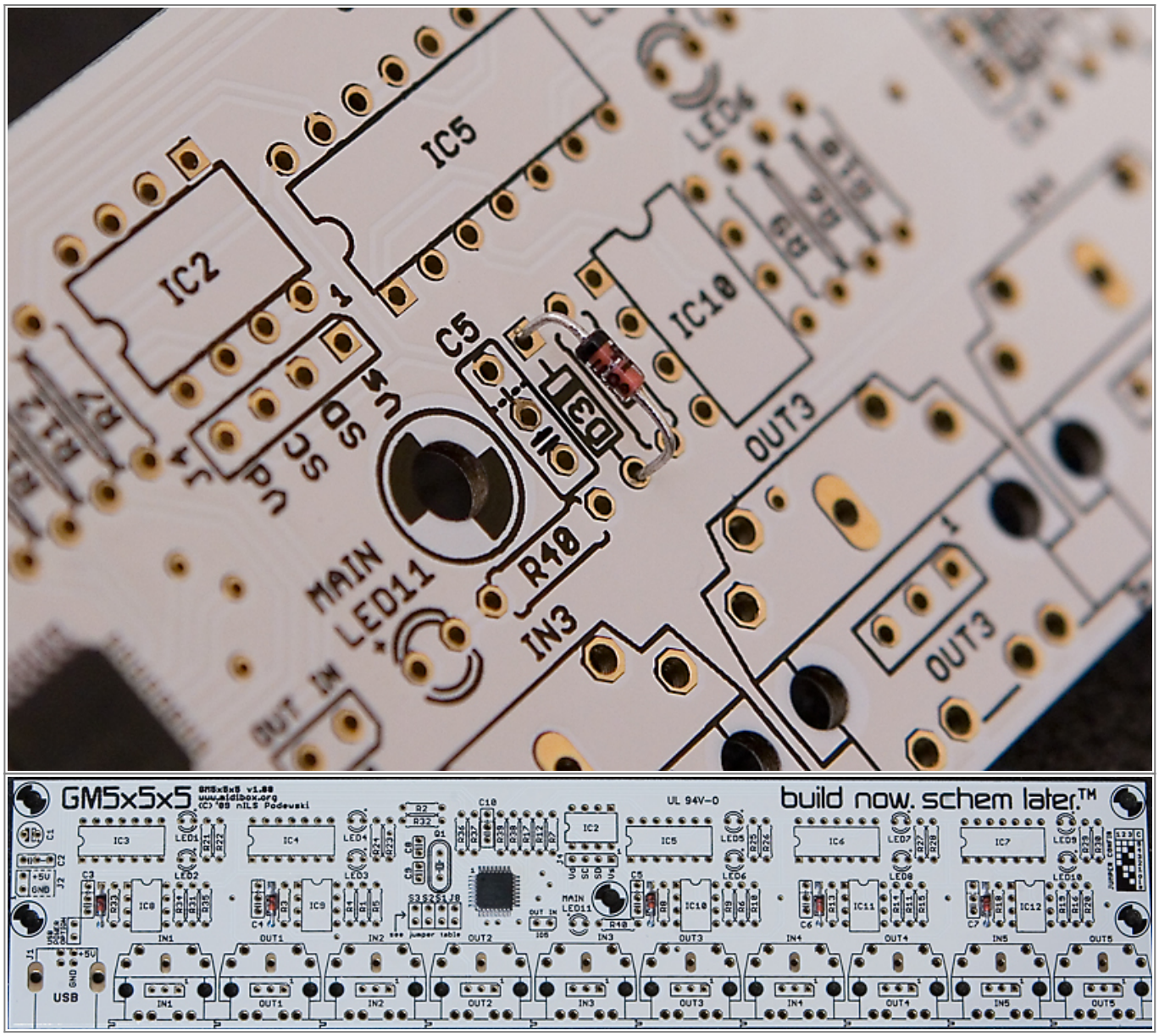
Building

The Chip

This is the most difficult part of the whole project. If you manage to pull it off the rest of the project will be a breeze. Go to Link for a vid tutoriol on how to solder this....

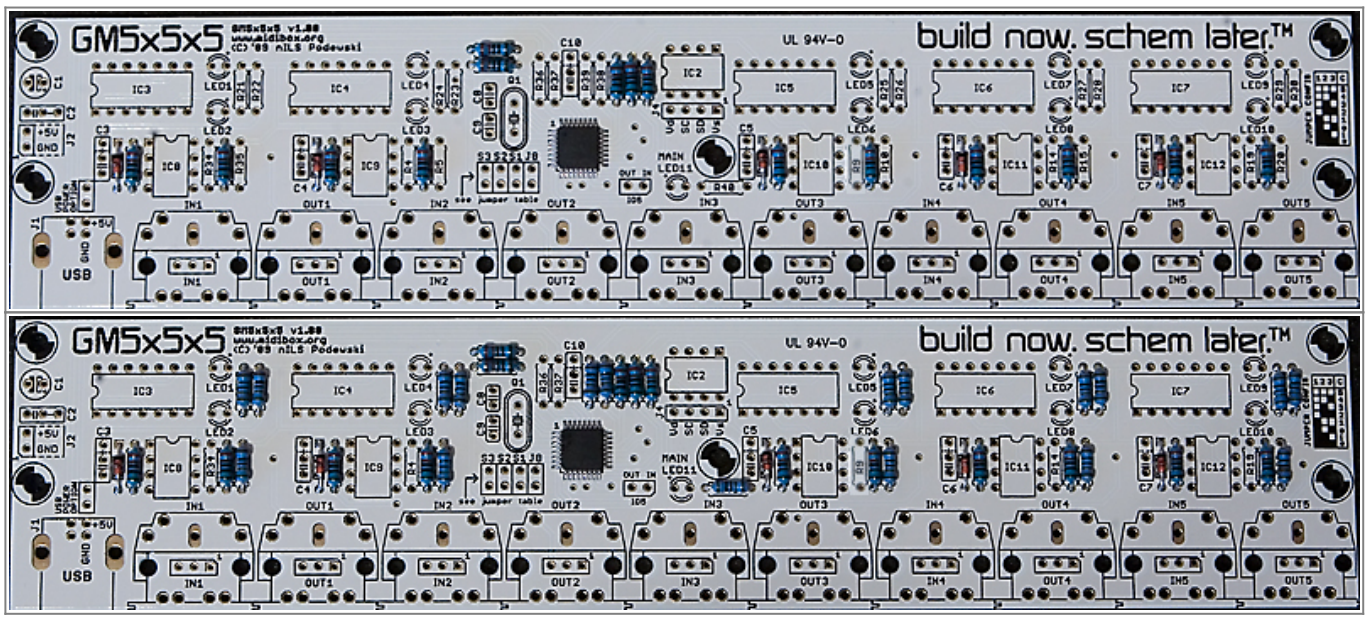


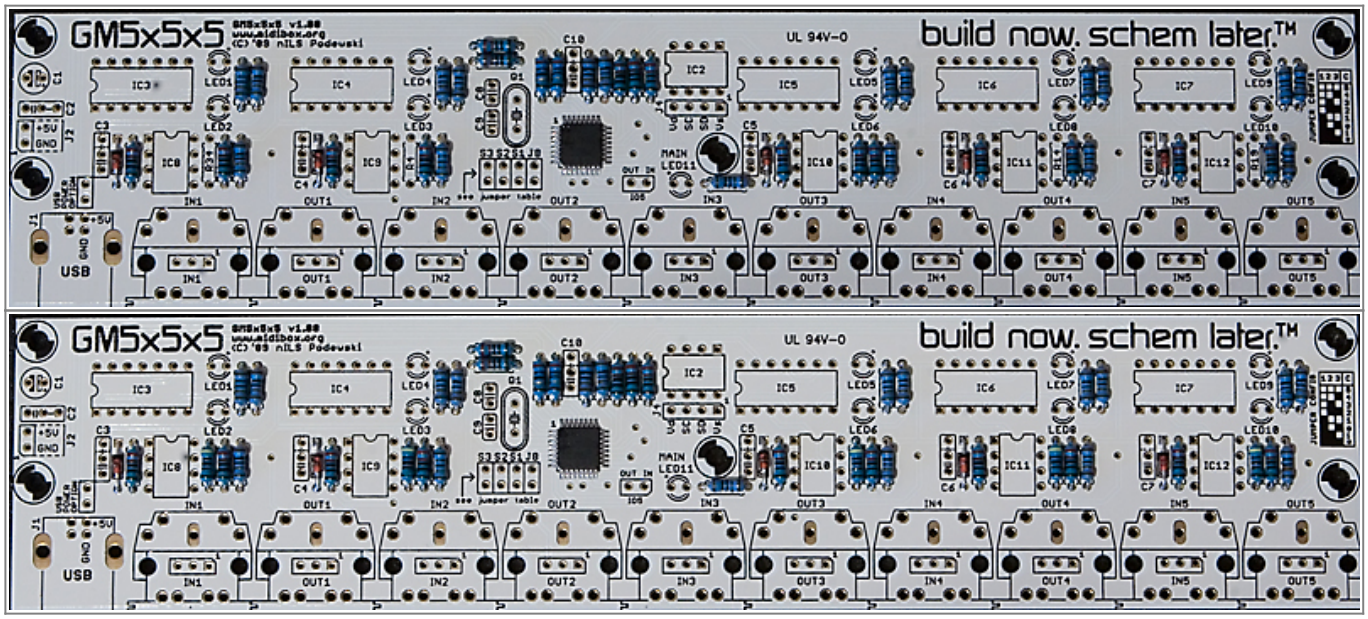
Diodes


IC5
IC2
IC10
C5
R40
MAIN
LED11
IN3
OUT3
OUT3
OUT IN

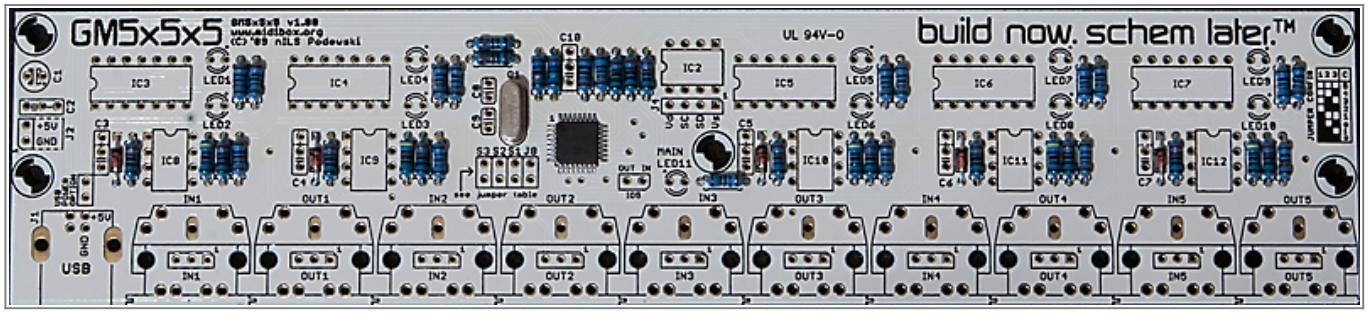
GM5x5x5
build now. schem later.™
UL 94V-0
USB

Resistors

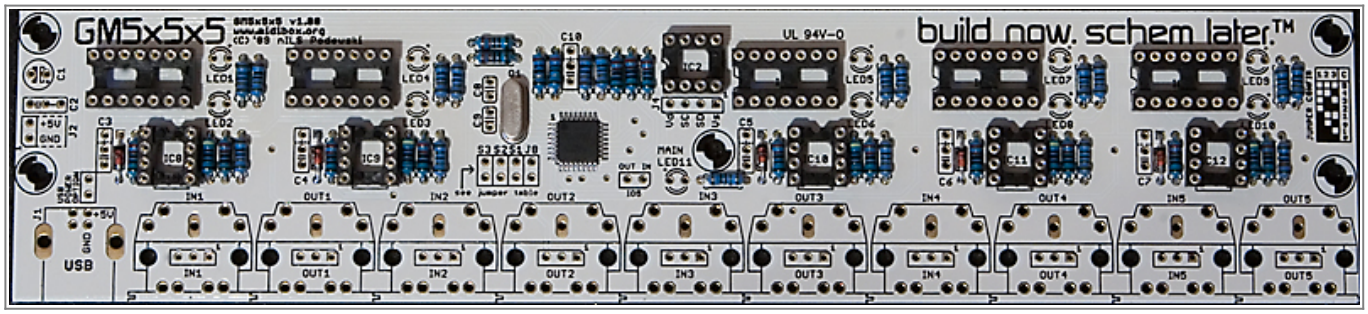

GM5x5x5
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UL 94V-0
USB



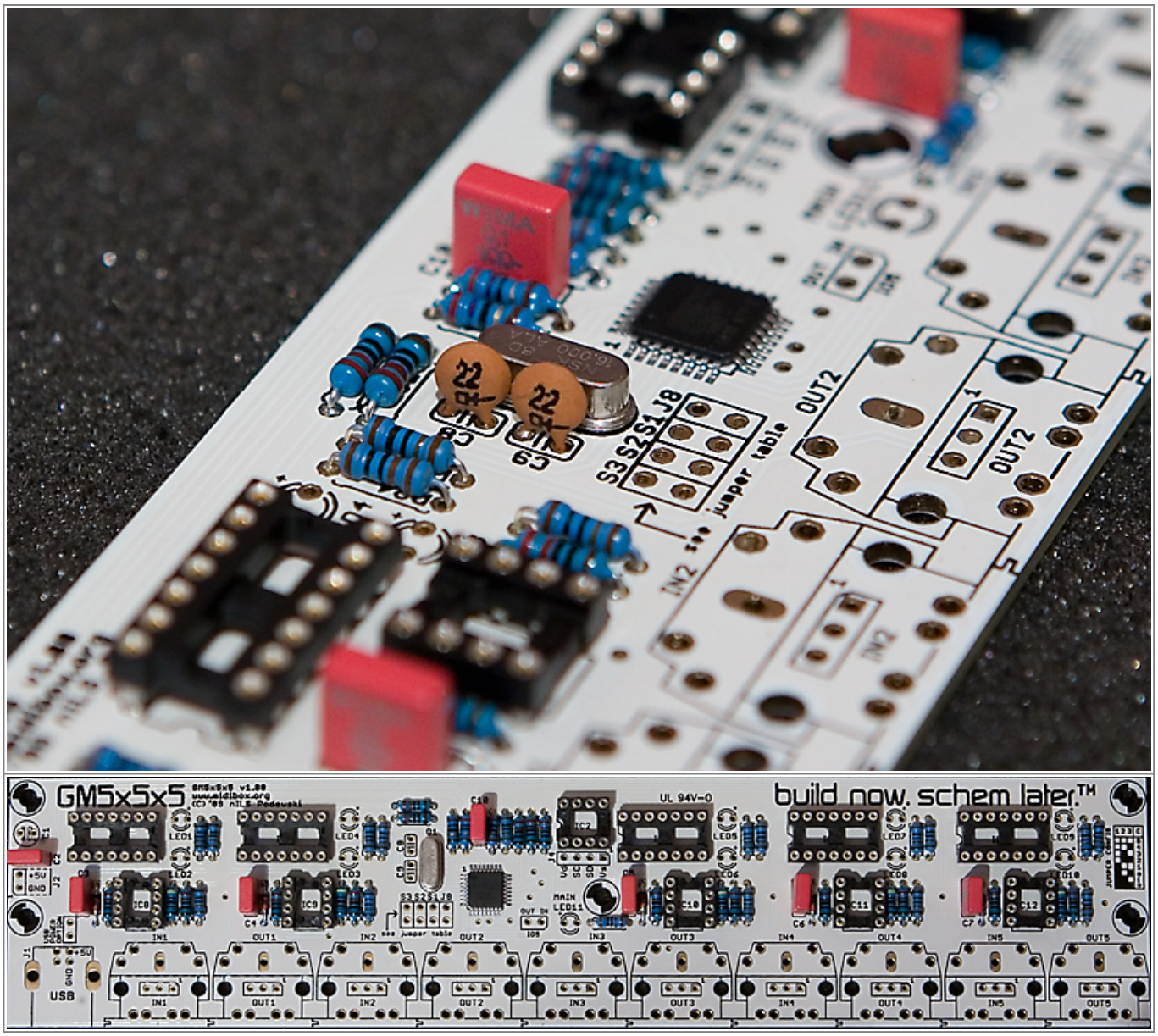
Crystal



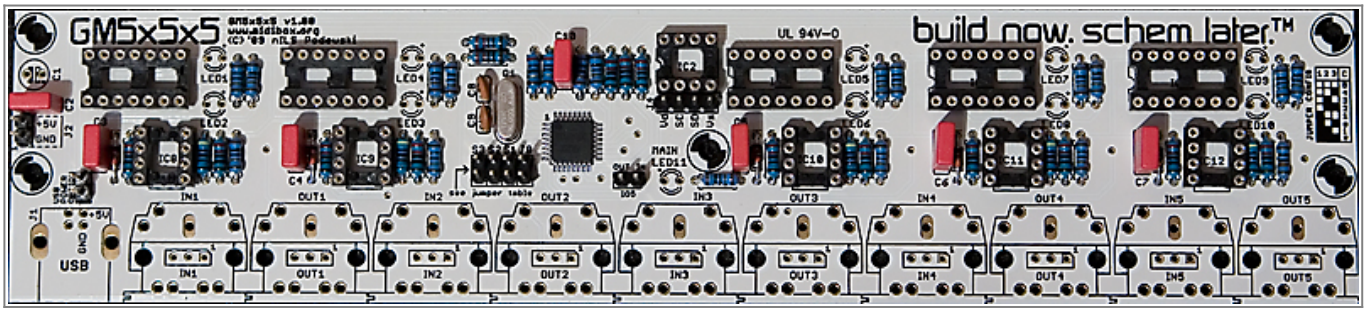
IC Sockets



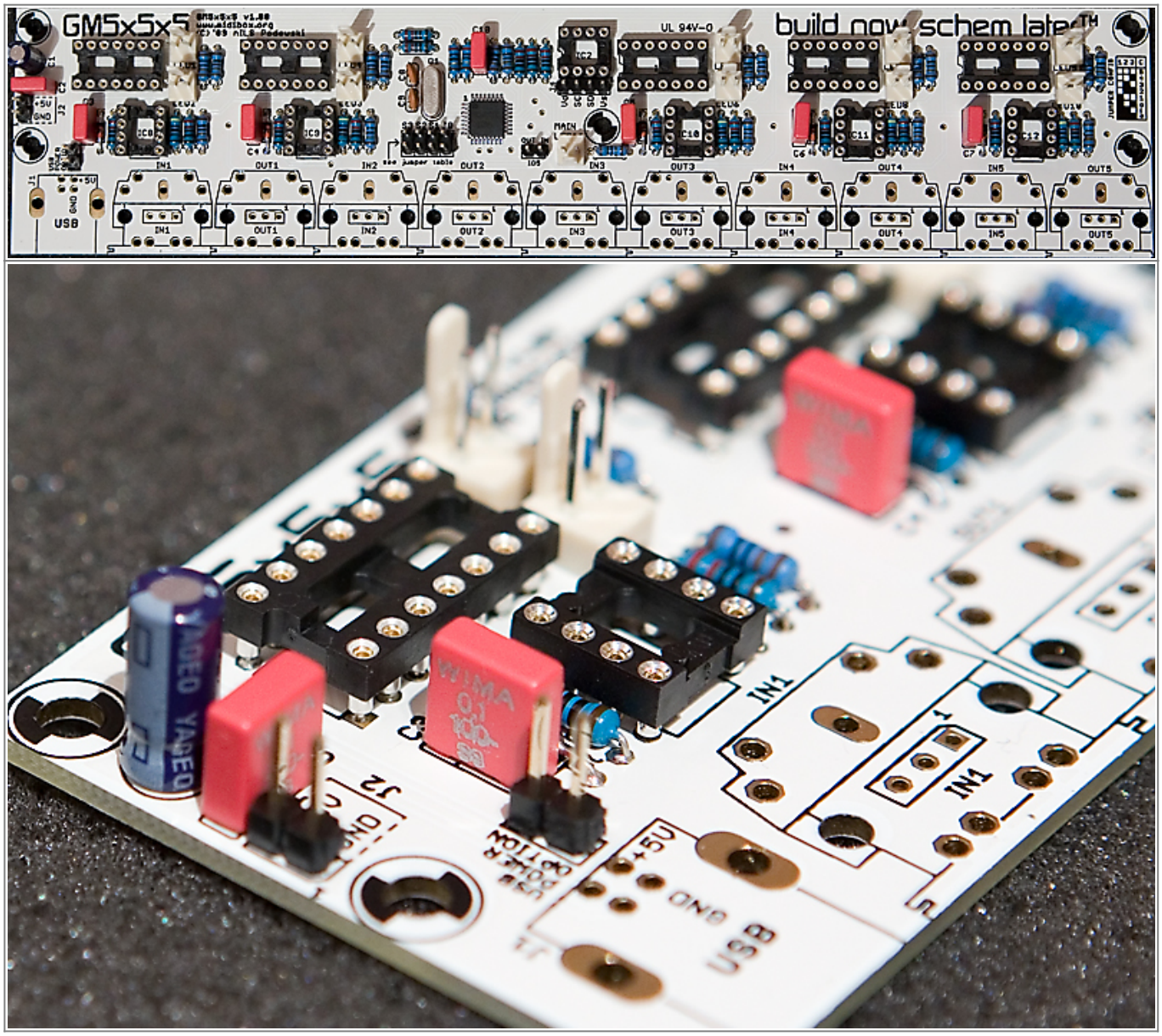
Capacitors



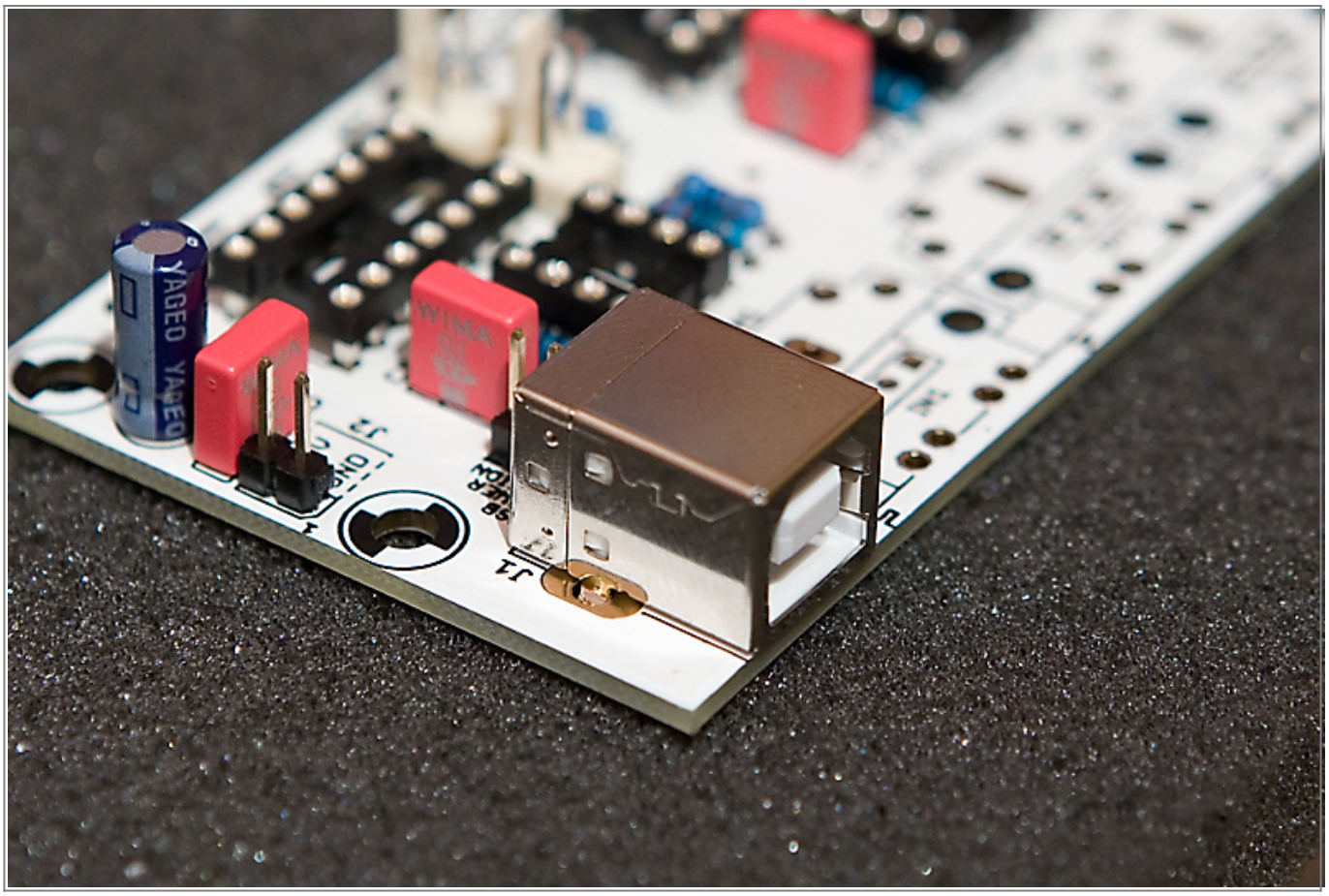
Pin Headers



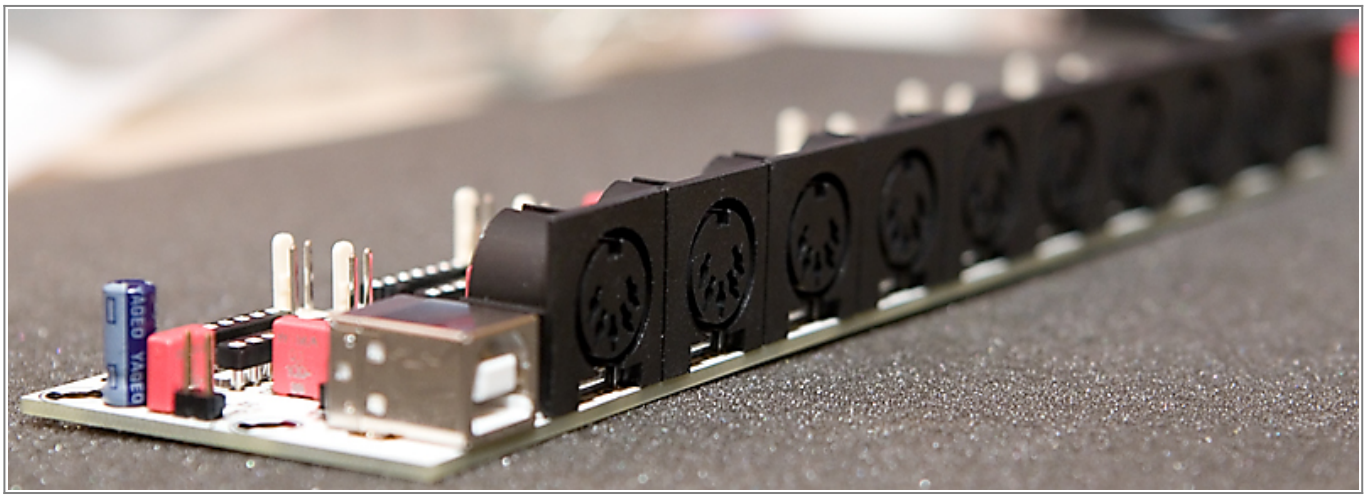
Electrolytic Capacitor


GM5x5x5
build now, schem later
USB
IN1
OUT1
IN2
OUT2
IN3
OUT3
IN4
OUT4
IN5
OUT5
+5V
GND
J2
WIMA
YAGEO

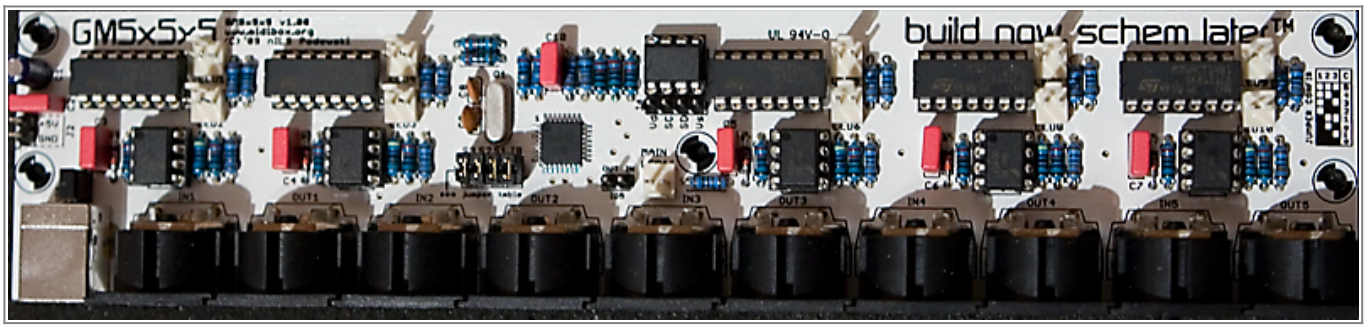
USB Socket



DIN Sockets



Placing IC's



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