mnmlCore

we want to create a small STM32F4 based Board (for example 10x4cm in size), with limited Pins/sockets...
FantomXR had made such a thing before, so we start with his working design, and invest some time in it
see also this article: Another Midibox Core

Introduction

...

a Name

mnmlCore, miniCore32, 10x4CORE, RFcore, fundimentalCore, basisCore, baseCore, XRcore, midicore

Features

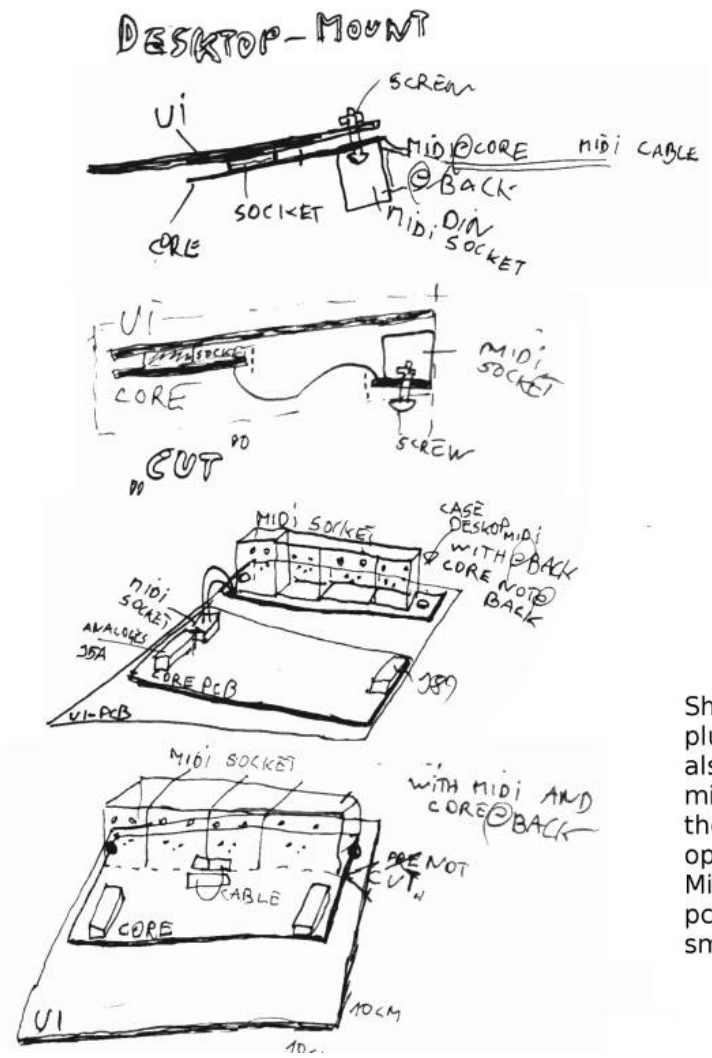
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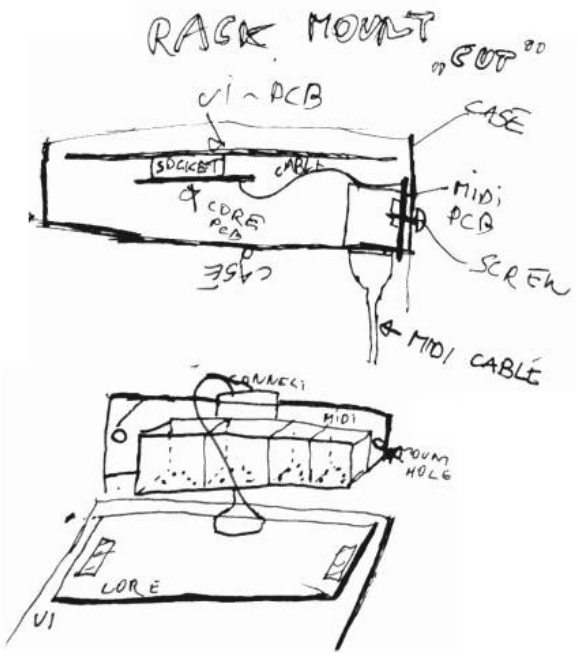
Hardware Requirements

- a jtag programmer (or a Discovery Board)
- Soldering Iron, Wires, PCB....
- USB Power Supply

Design Concepts

phatlines idea with onboard-split-cut MidiIO:





Showing a 10x4cm sized Core32 plugged into a 10x10cm UI-PCB also a midiport-solution is shown, where a midiPCB is fabricated on the core PCB but with the possibility to break it down, the optocopplers diodes and Resistors for the Midiports are on the Core PCB, so the Midi-IO pcb can be small as possibil, so we achive a small Project (small case, small ui...)

Resources

Forum to discuss

Community users working on it

- **Phatline** = Documentation, PCB-layout-or at least give it a first try...

Just let a Private message on the forum to user already involved

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