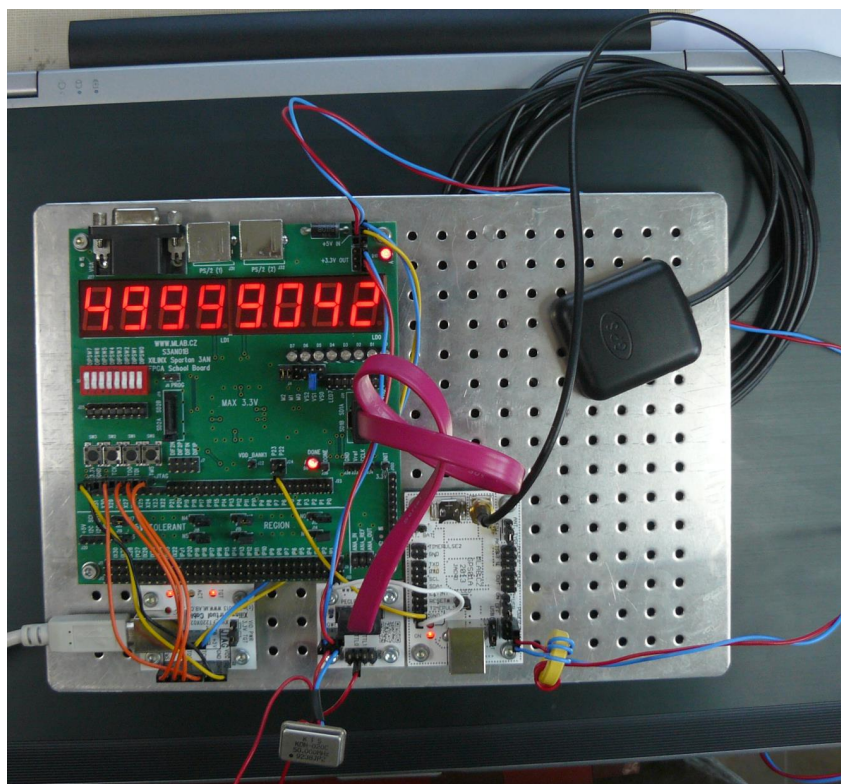


Counter synchronised by GPS

KAKL

There is a counter for measuring frequency up to 600 MHz with absolute precision ± 15 Hz at maximum frequency (± 25 ns / 1 s).

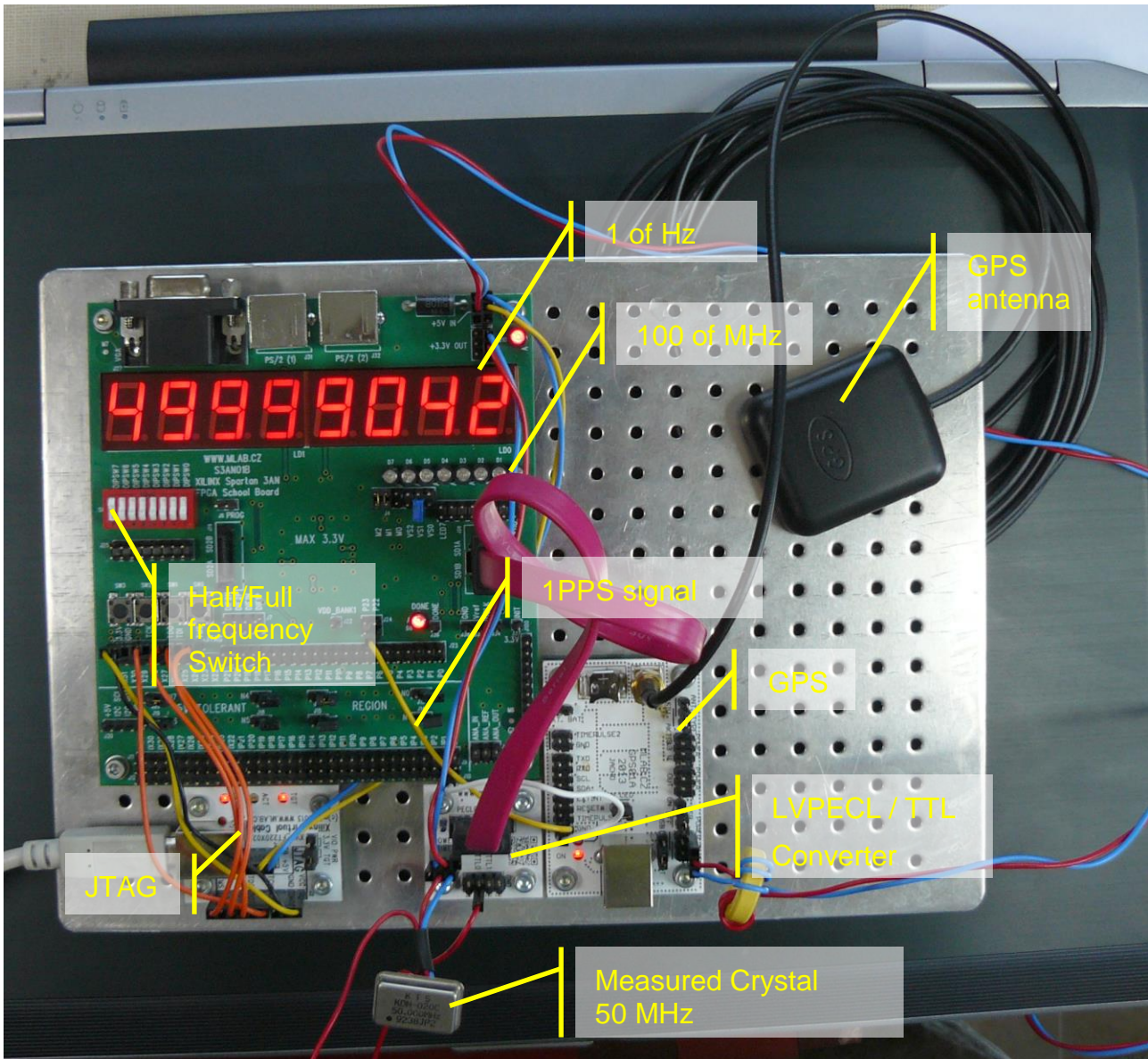


1. Technical parameters

Parameter	Value	Note
Minimal frequency	4 Hz	There is a systematical error 3 Hz
Maximal Frequency	640 Hz	Computer room
Time accuracy	± 25 ns / 1 s	By given GPS

2. Construction

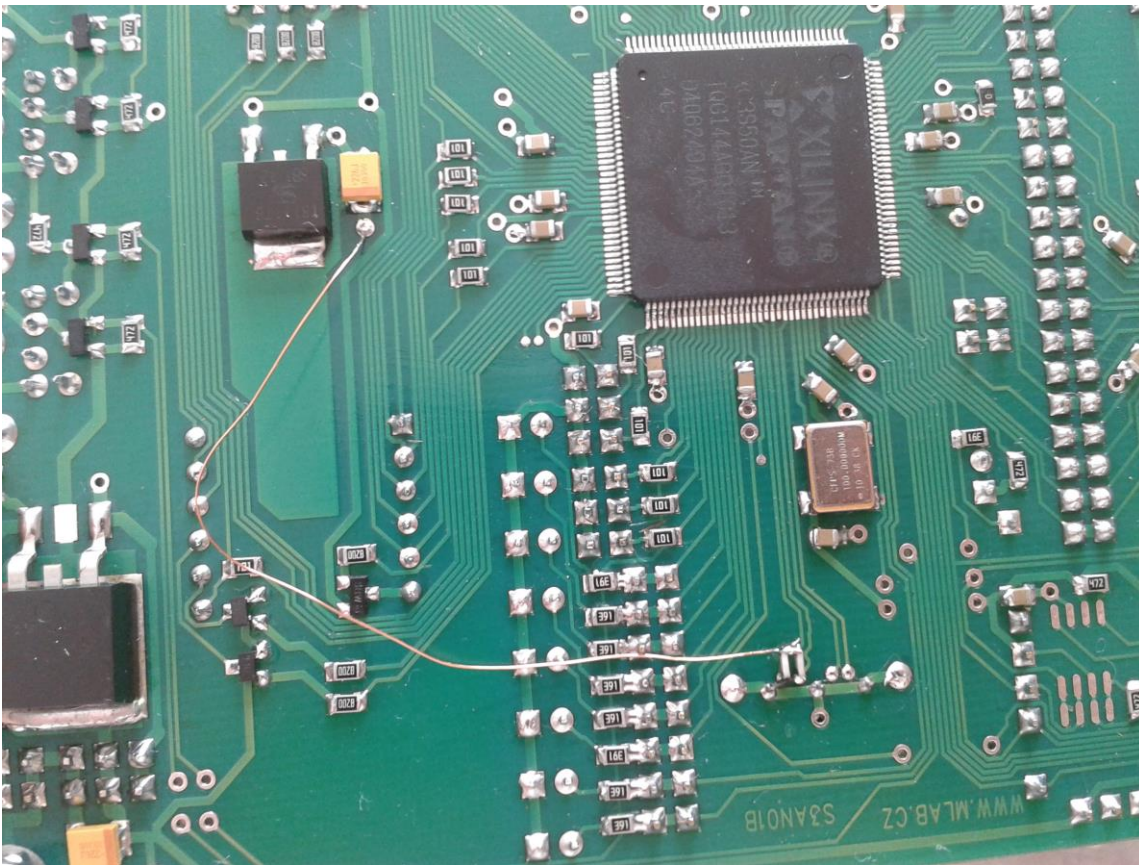
2.1. Connection



2.2. Used modules

- S3AN01B
- GPS01A
- TTLPECL01A

2.3. Hack



Two 50 Ω resistors from SATA connector to +1.2 V has to be added.