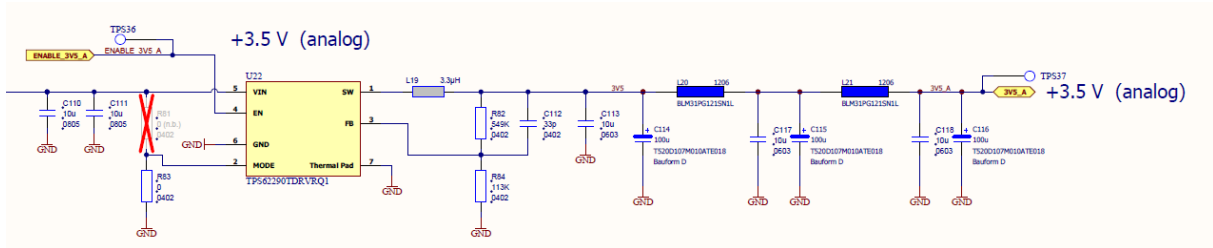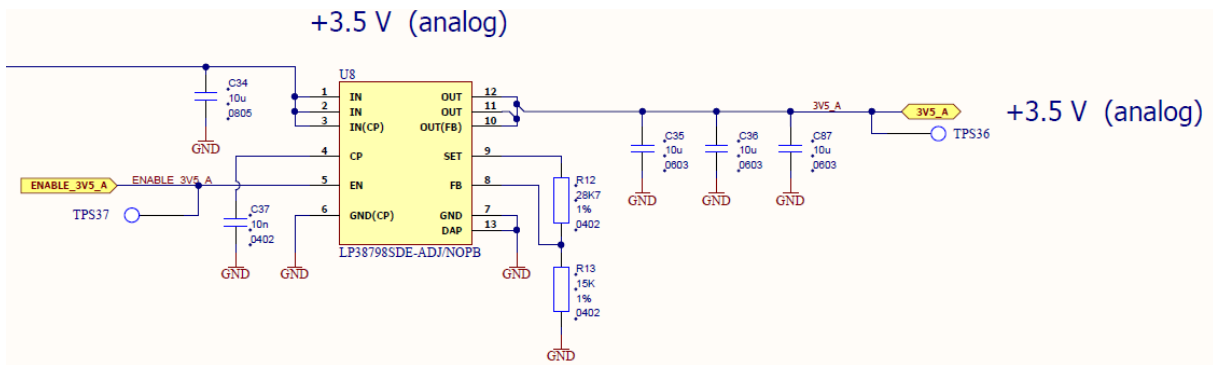## 1. Change Voltage Regulator 3.5V:

Replace the switching regulator by a linear regulator.
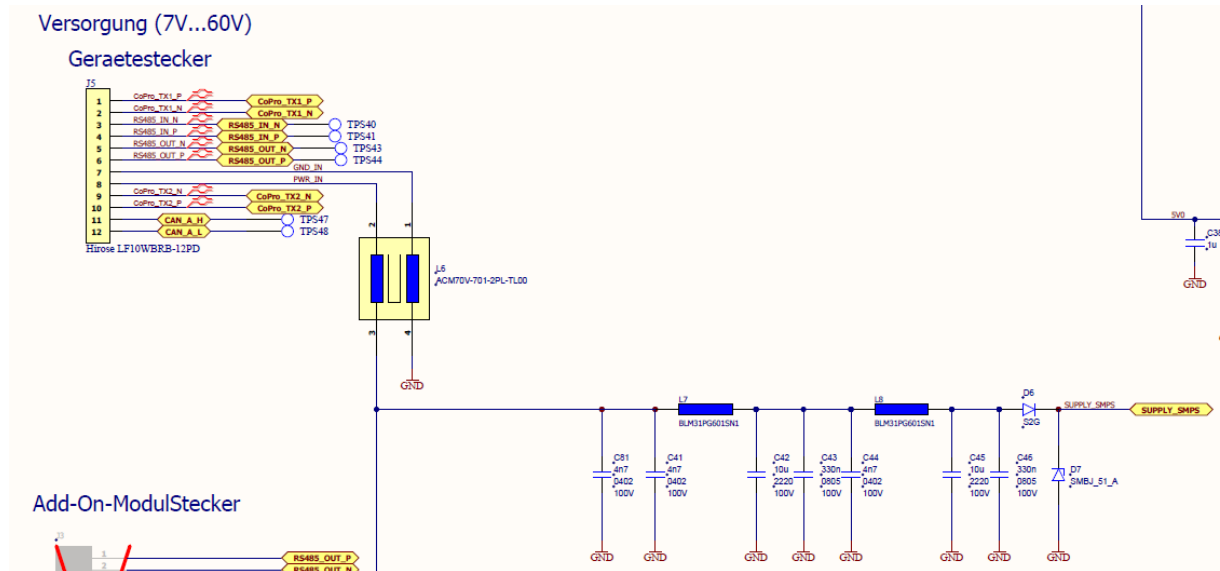
UMRR_0F0002:

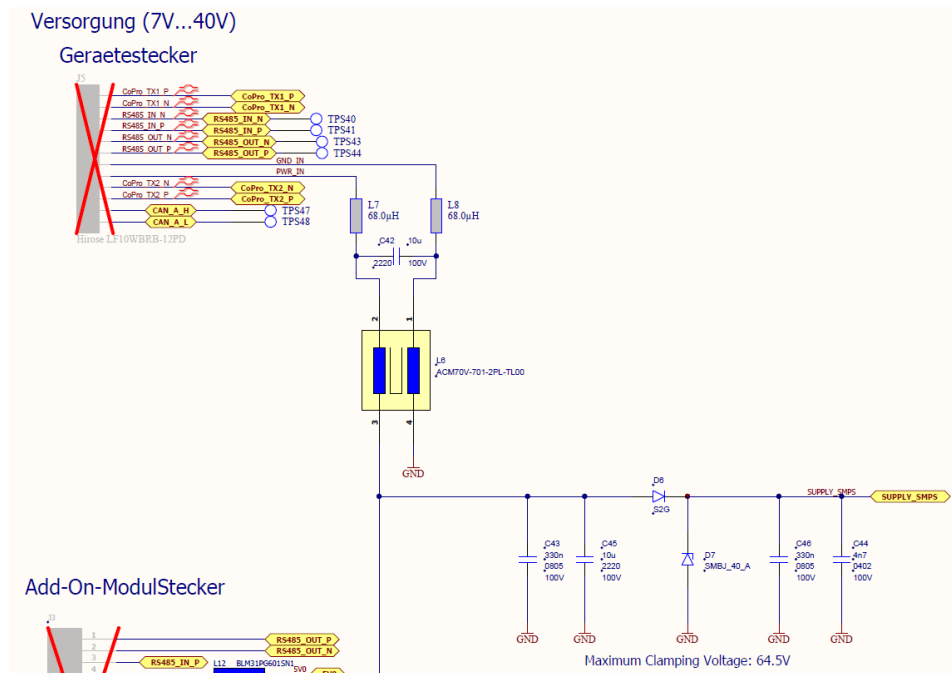### UMRR_0F0003:

2. Change the input filter:

Remove ferrite (BLM31PG601SN1) and replace by two inductances and one capacitor at the input.
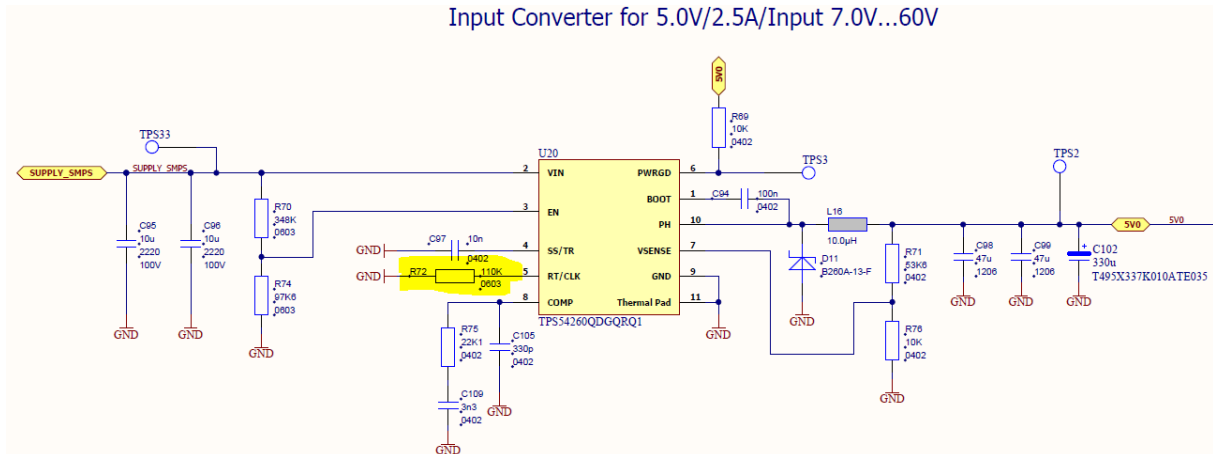D7: Use of another component (SMBJ40 instead of SMBJ51)

UMRR_0F0002:

UMRR_0F0003:

3. Modification of the switching frequency of the input switching regulator

Decrease the switching frequency from around 1MHz to around 300kHz.

UMRR_0F0002:

Input Converter for 5.0V/2.5A/Input 7.0V...60V

UMRR_0F0003:

Input Converter for 5.0V/2.5A/Input 7.0V...60V

Input Maximum Rating: 65V

Switching Frequency set to 300kHz (RT = 412KOhm)