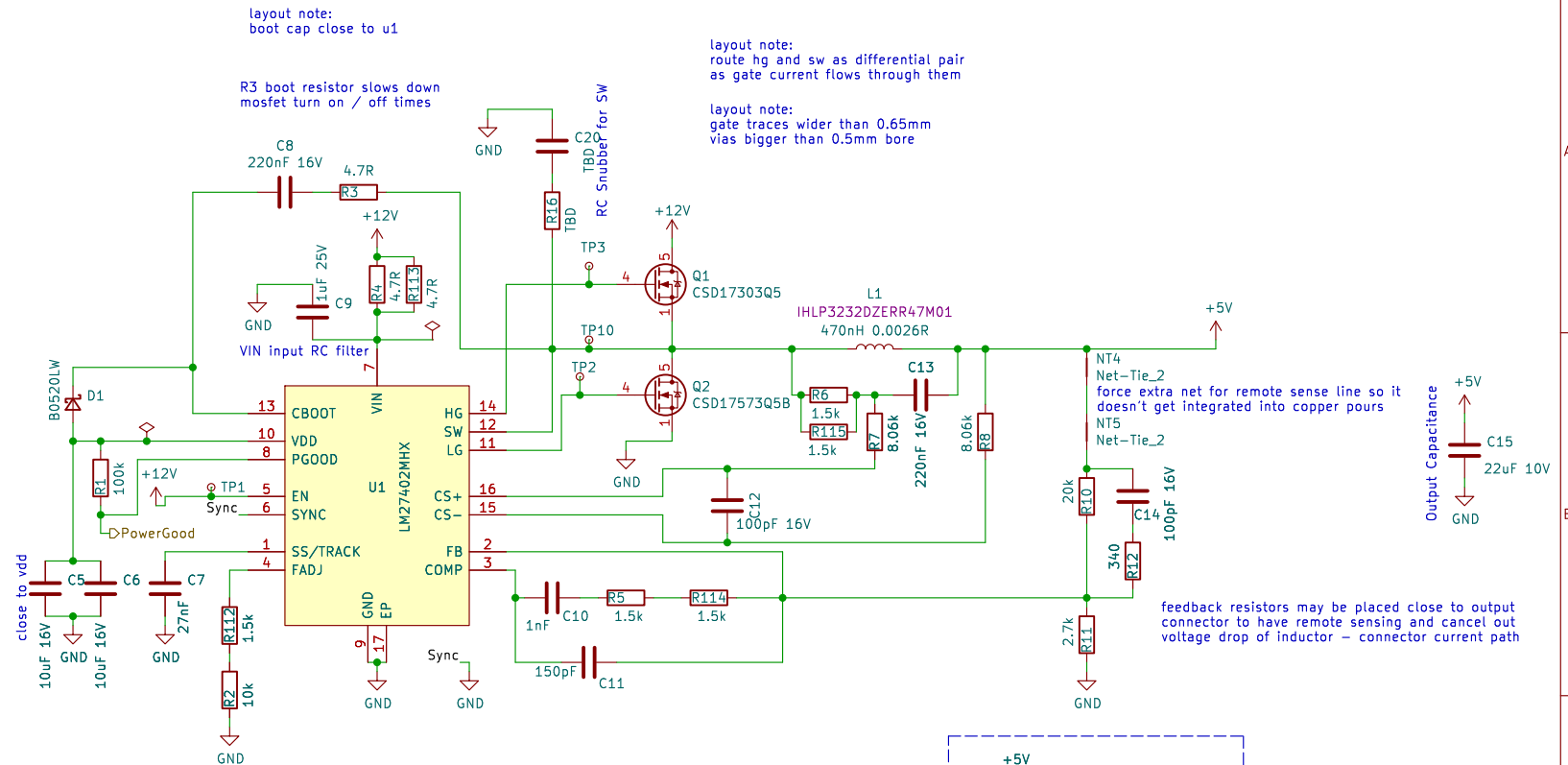
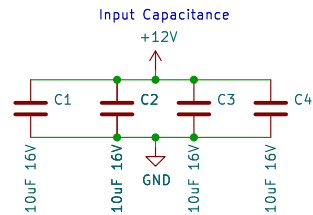


Input range: 10V – 13V
Max Power: 120W
Output: 5V, 24A

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Max Power: 120W
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Thermal considerations from TI Webbench Power Designer

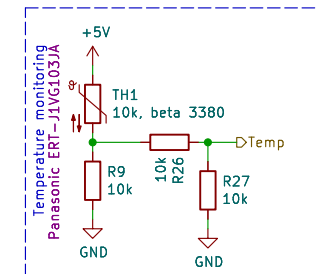
IC:
Power dissipation: 1.55W
ThetaJA: 40 K/W
ThetaJB: 2,6 K/W

Inductor:
Power dissipation: 1.51W

High Mosfet:
Power Dissipation: 1.46W
ThetaJA: 49 K/W
ThetaJC: 1.1 K/W

Low Mosfet:
Power Dissipation: 0.91 W
ThetaJA: 50 K/W
ThetaJC: 0.8 K/W

 **HS1**
ATS-CPX025025010-137-C2-R0
Heatsink includes thermal compound T766



Sheet: /5VStepDown/
File: 5VStepDown.kicad_sch

Title: 12 to 5V Step Down

Size: A4

Date:

Size: 71	Date:
KiCad E.D.A.	kicad 7.0.11+dfsg-1build4

Rev: A

Id: 3/20