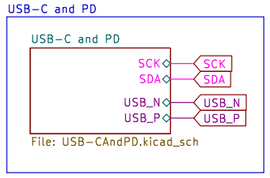
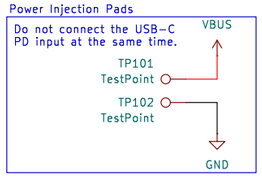
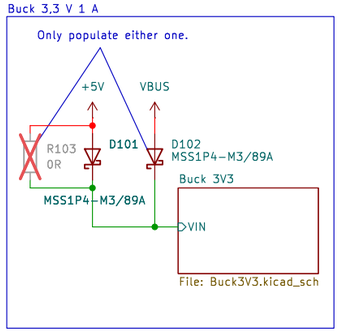
USB-C and PD



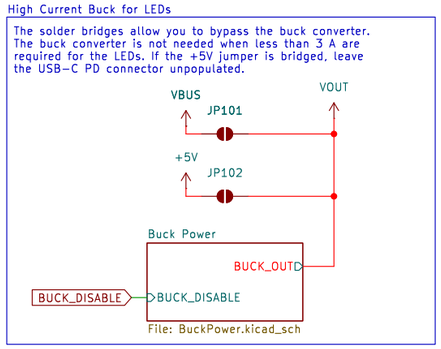
Power Injection Pads



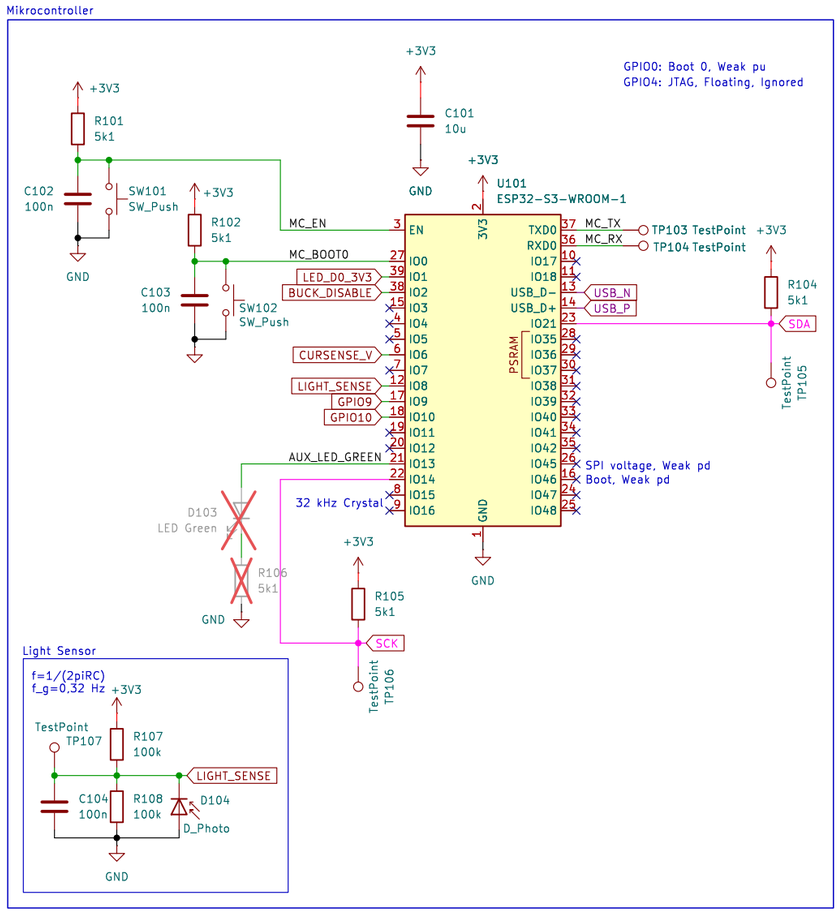
Buck 3,3 V 1 A



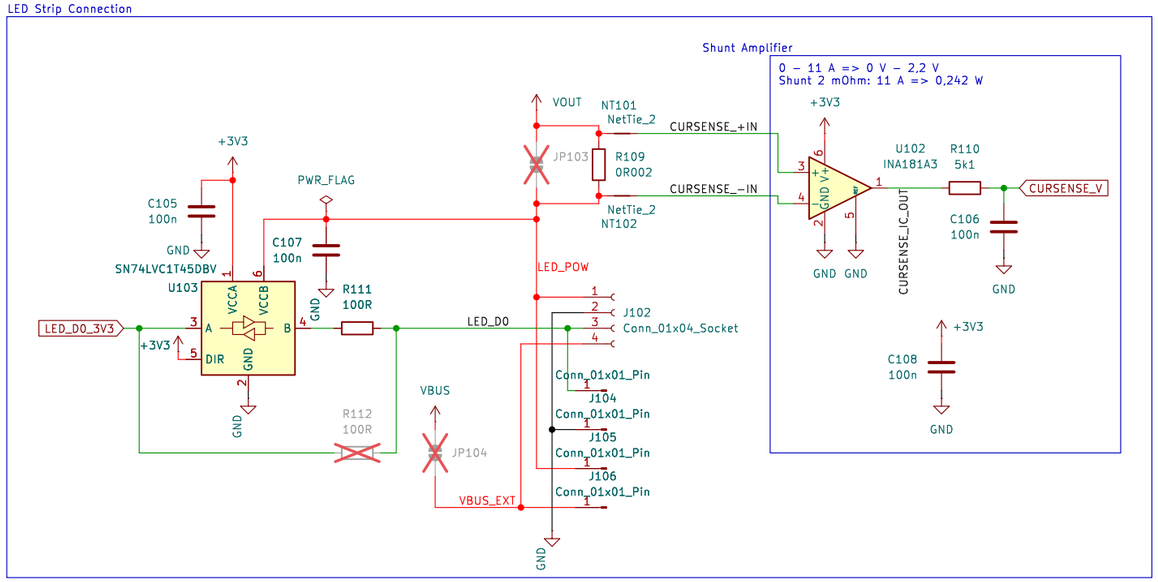
High Current Buck for LEDs



Mikrocontroller

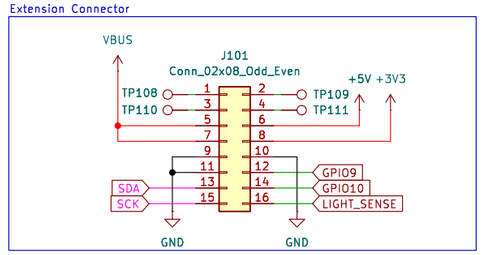


LED Strip Connection

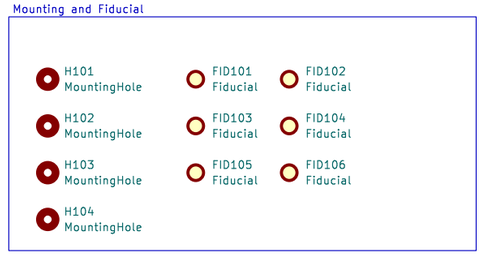


Shunt Amplifier

Extension Connector



Mounting and Fiducial



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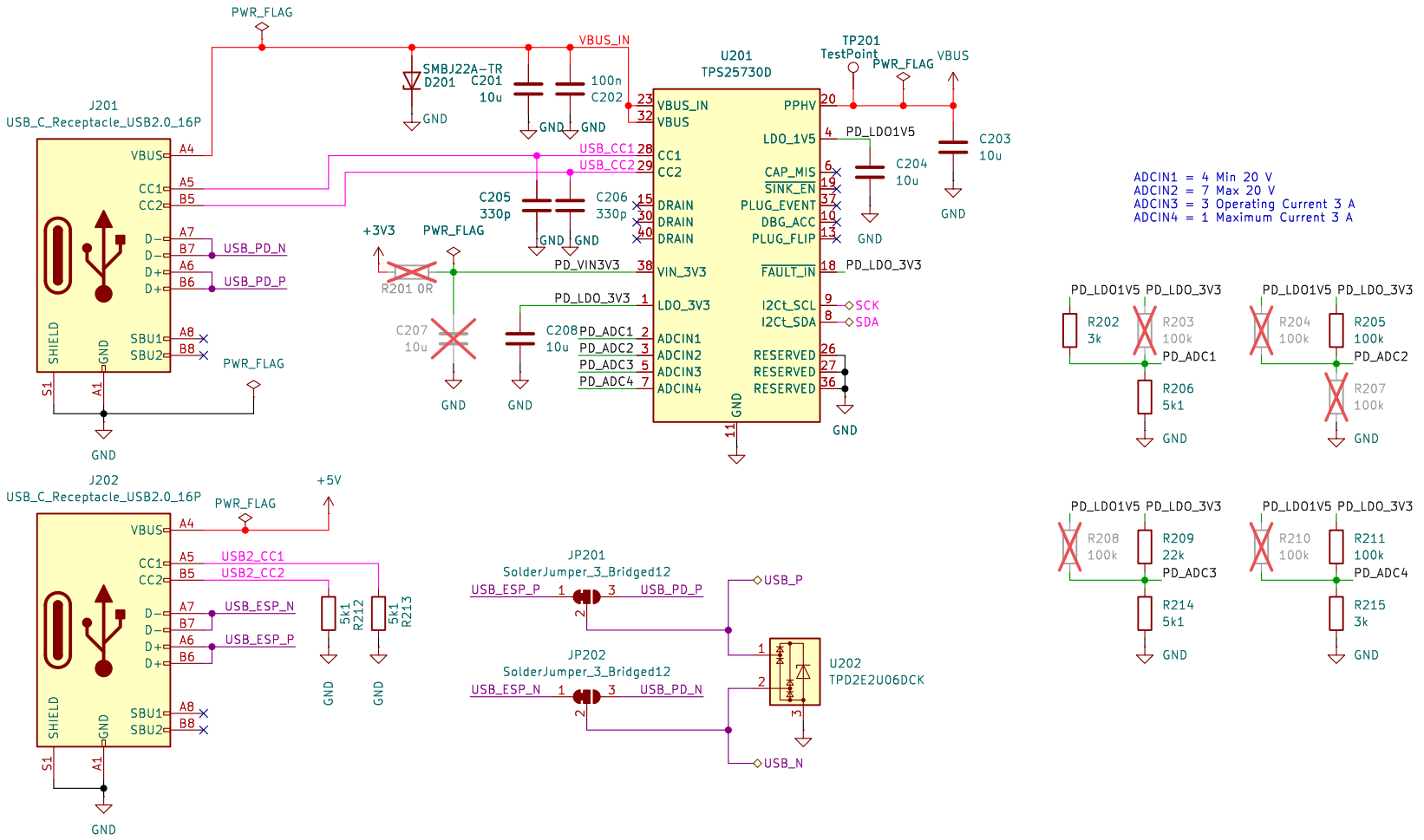
File: glowbuck.kicad_sch

Title: Glowbuck

Size: A3	Date:	Rev:
KiCad E.D.A. 9.0.7		Id: 1/4

VBUS = 20 V @ 3 A

The TPS25730D limits the slew rate of the internal power MOSFET and allows for more than 100 uF at the output.



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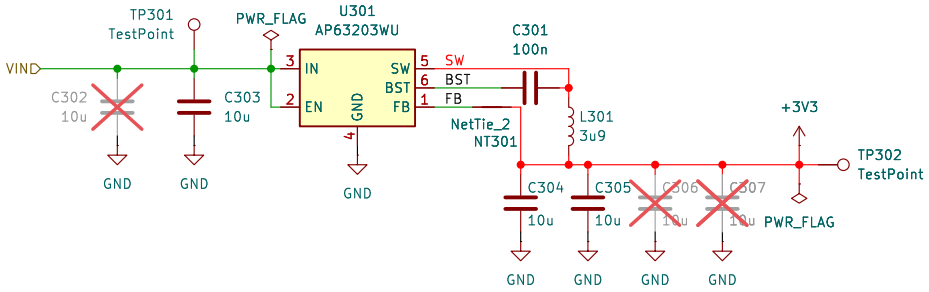
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.7		Id: 2/4

+3V3 can deliver up to 1 A.
The IC can deliver up to 2 A with all components on this sheet.



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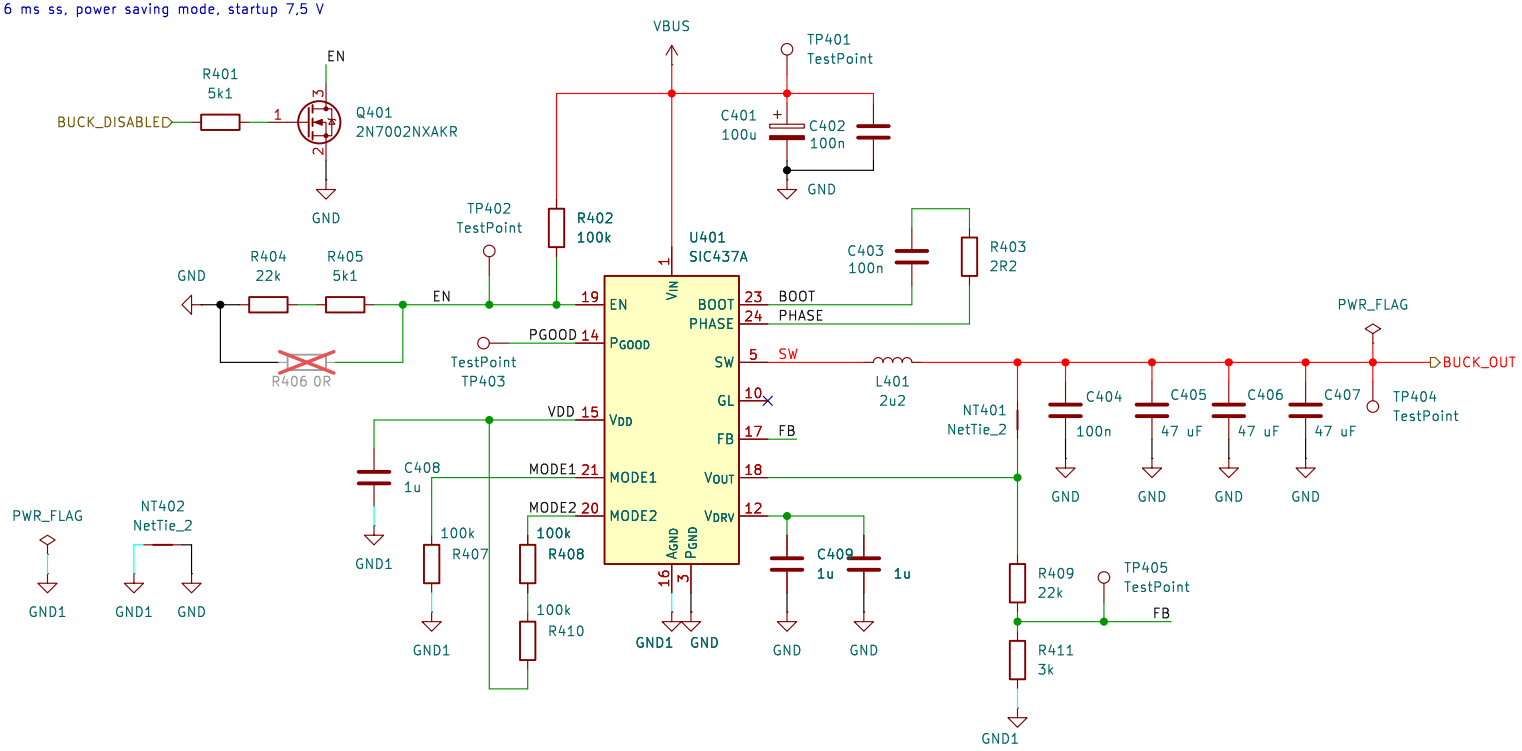
Title: Glowbuck		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.7		Id: 3/4

Output: 5 V @ 11 A
Input: 11 V, 20 V, 28 V
500 kHz, 6 ms ss, power saving mode, startup 7,5 V



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KiCad E.D.A. 9.0.7		Id: 4/4