V0.1: 4 isolated valve pairs, one commanded open zone at a time. Engineering candidate.

EU868 / US915 module variants. External solar charger and protected 2S LiFePO4 battery.

No fabrication release. Valve polarity, pulse energy, EMC and hydraulics require prototype validation.

01_Power

File: 01_Power.kicad_sch

02_Radio_and_Sensing

File: 02_Radio_and_Sensing.kicad_sch

03_Pulse_Guard

File: 03_Pulse_Guard.kicad_sch

04_Valve_1

File: 04_Valve_1.kicad_sch

05_Valve_2

File: 05_Valve_2.kicad_sch

06_Valve_3

File: 06_Valve_3.kicad_sch

07_Valve_4

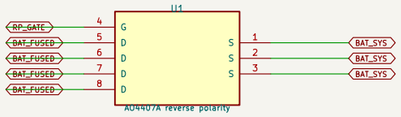
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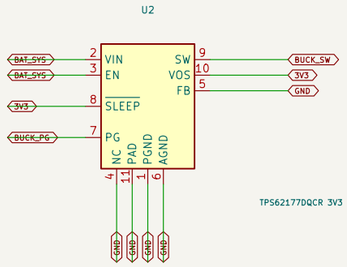
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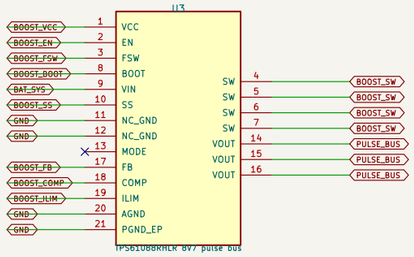
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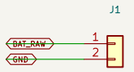
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KiCad E.D.A. 10.0.6		Id: 1/8

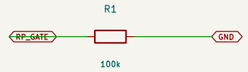
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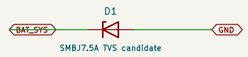


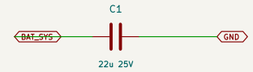


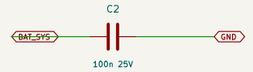


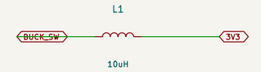


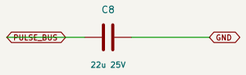


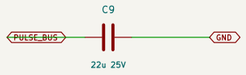


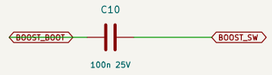




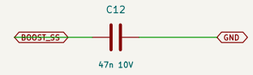


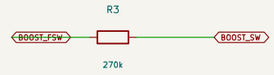


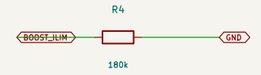


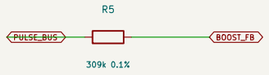


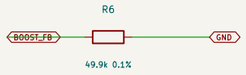




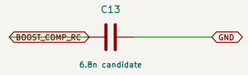




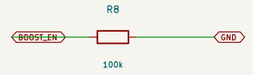


















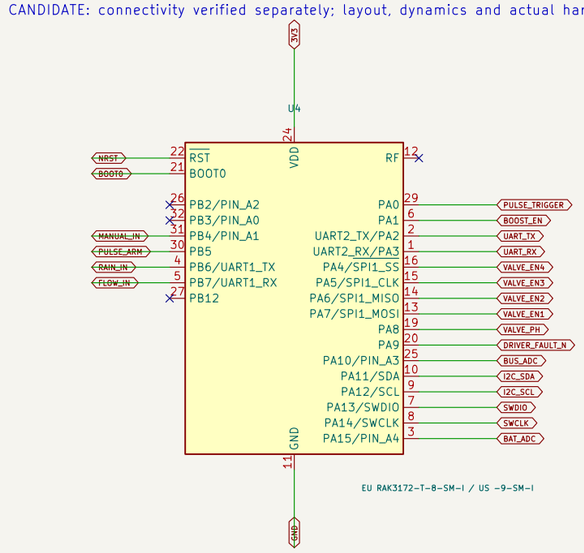


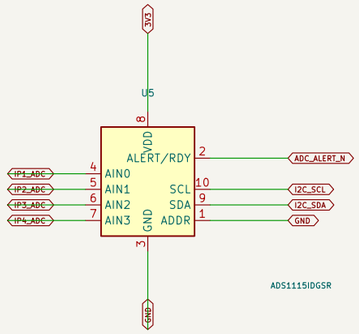
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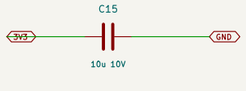
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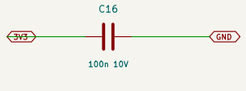
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KiCad E.D.A. 10.0.6		Id: 2/8

CANDIDATE: connectivity verified separately; layout, dynamics and actual hardware are not validated.

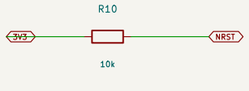


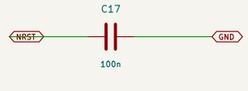


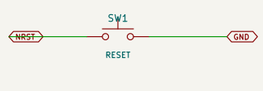


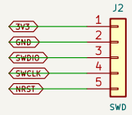


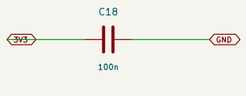






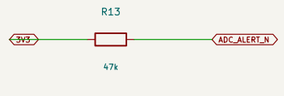


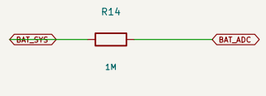


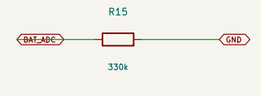


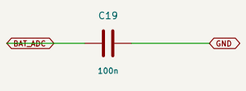


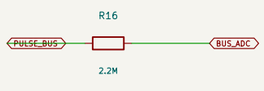


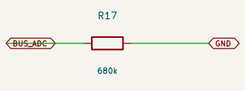


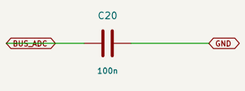




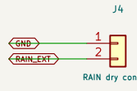


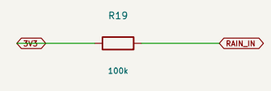


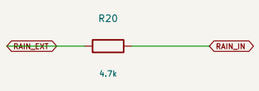


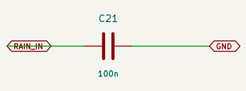


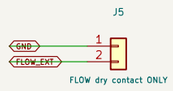


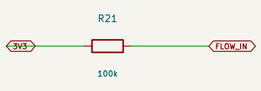


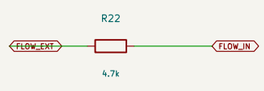


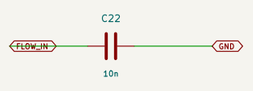


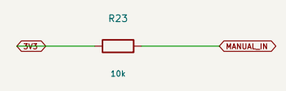




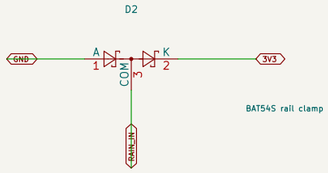


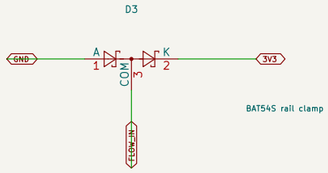










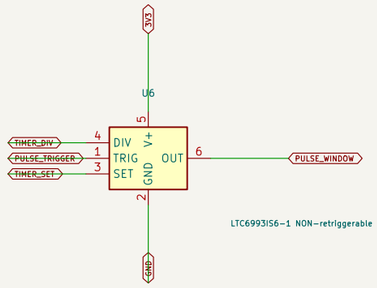


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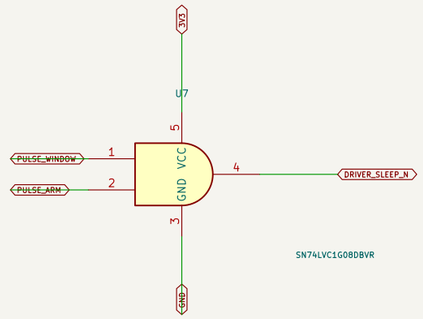
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KiCad E.D.A. 10.0.6		Id: 3/8

CANDIDATE: connectivity verified separately; layout, dynamics and actual hardware are not validated.



LTC6993IS6-1 NON-retriggerable



SN74LVC1G08DBVR





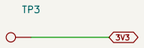




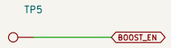










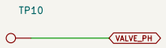


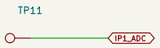


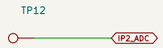


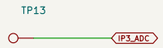


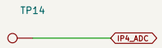










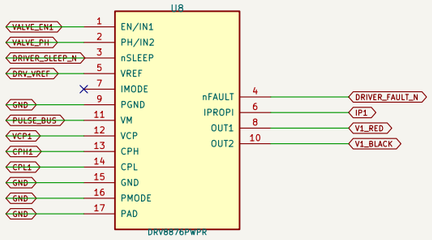


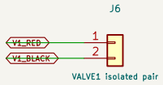
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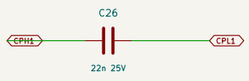
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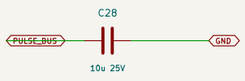
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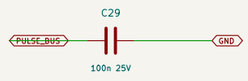


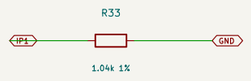


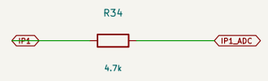






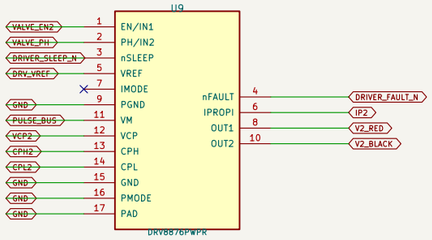


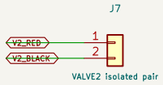


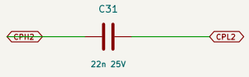


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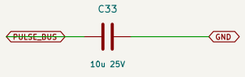
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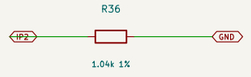








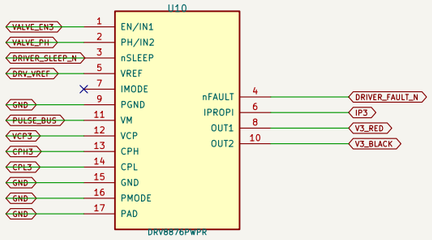


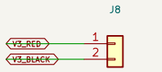


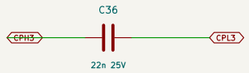


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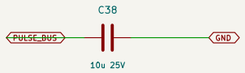
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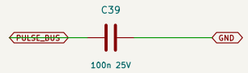


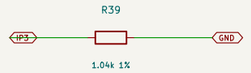


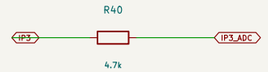


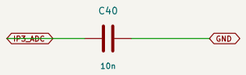


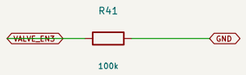








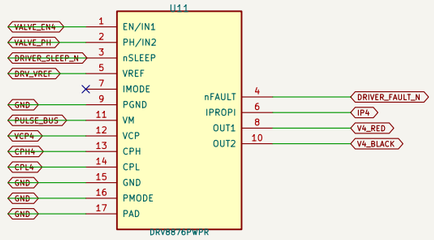


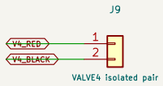


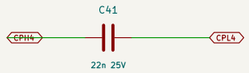


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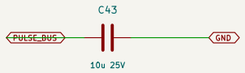
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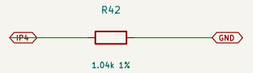


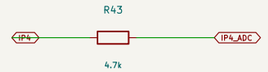


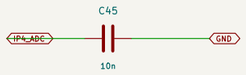


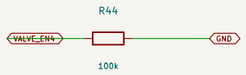














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