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Quad-Phase 5V, 45A Buck Converter

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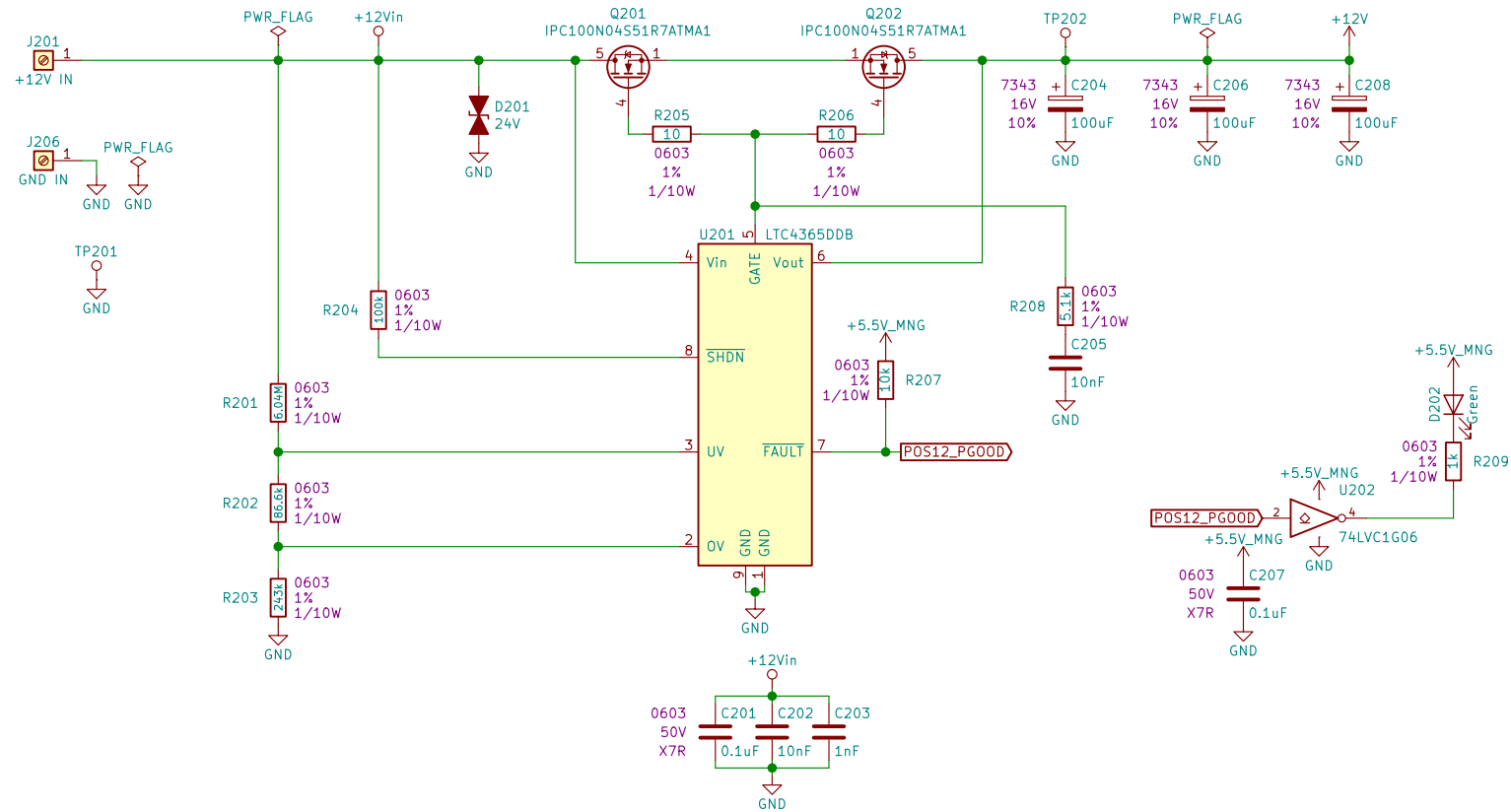
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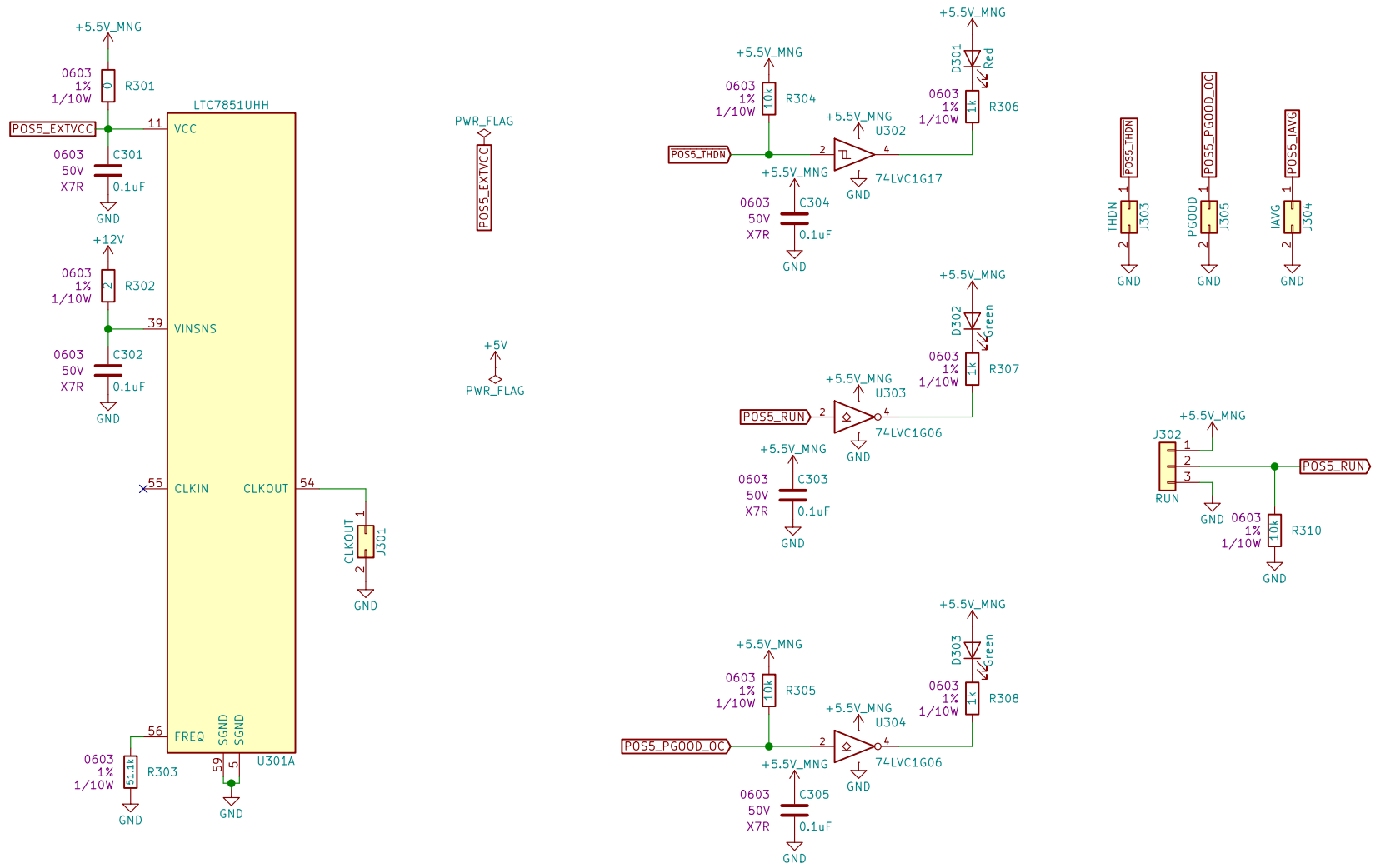
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Power Input



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+5V Control



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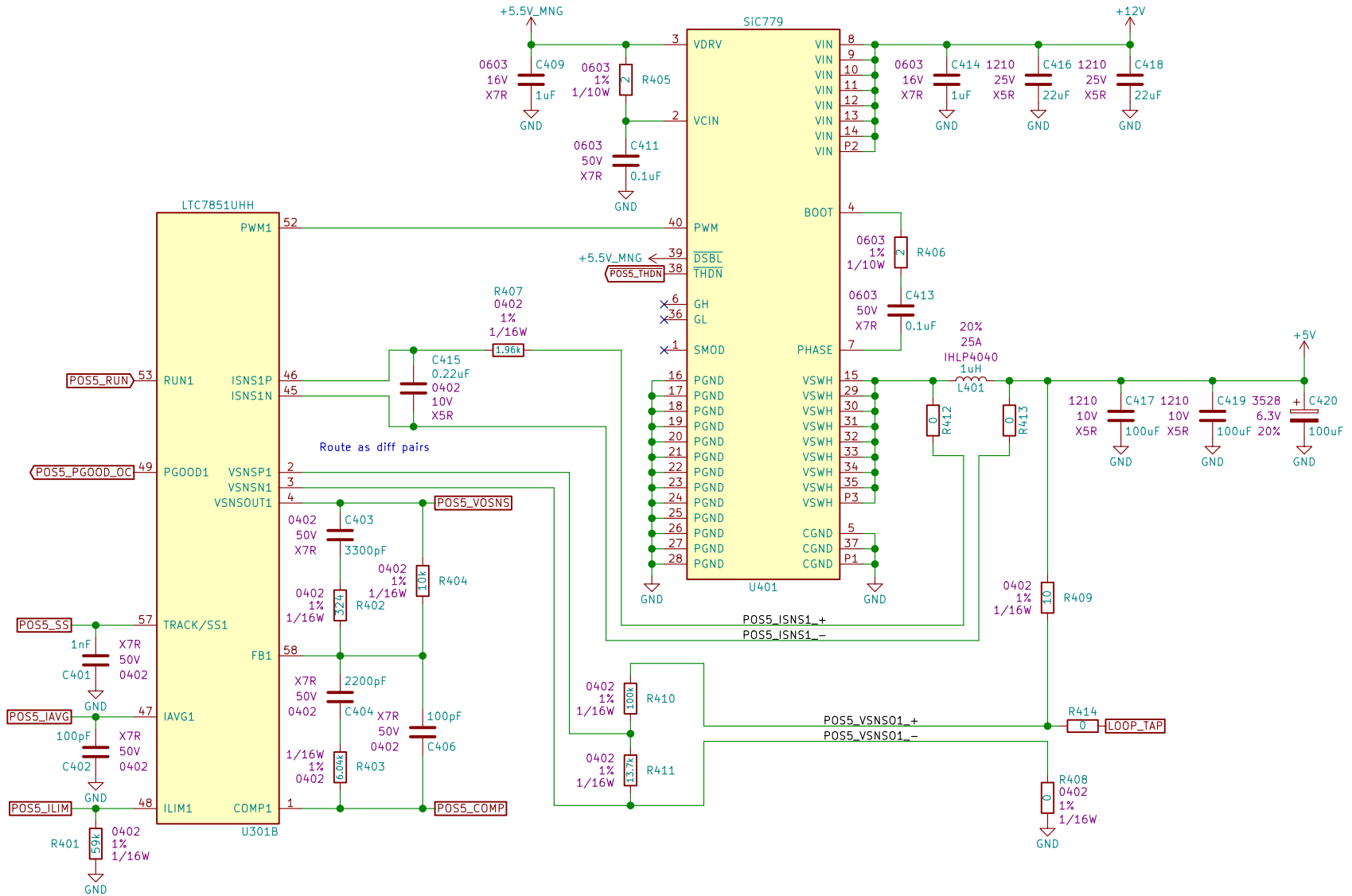
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+5V Phase 1



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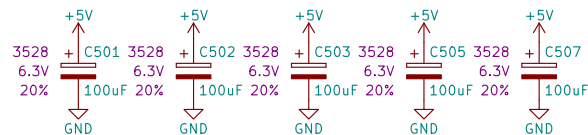
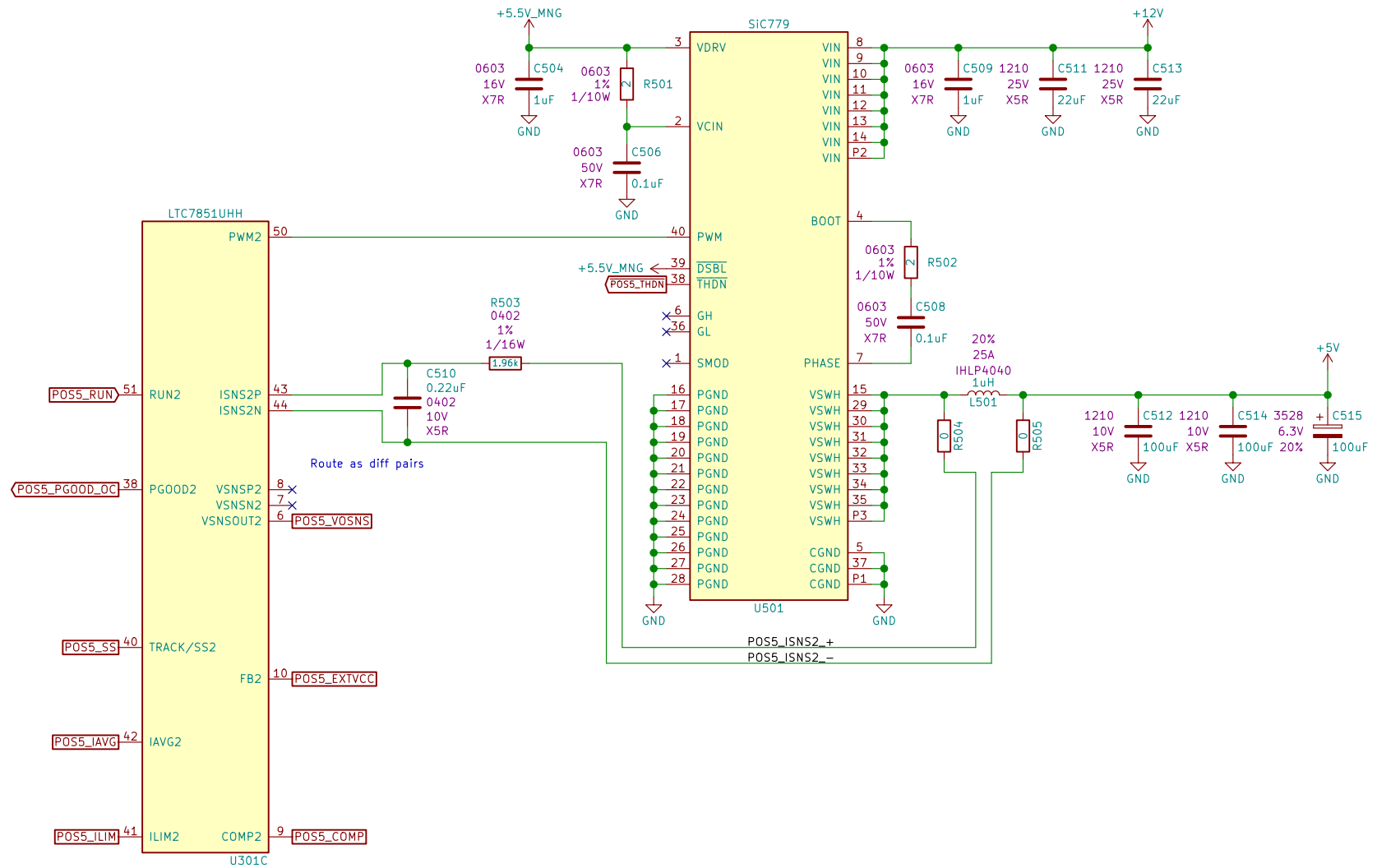
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+5V Phase 2



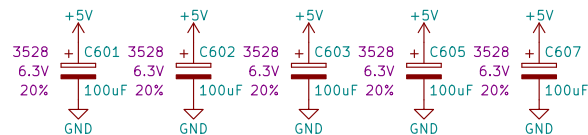
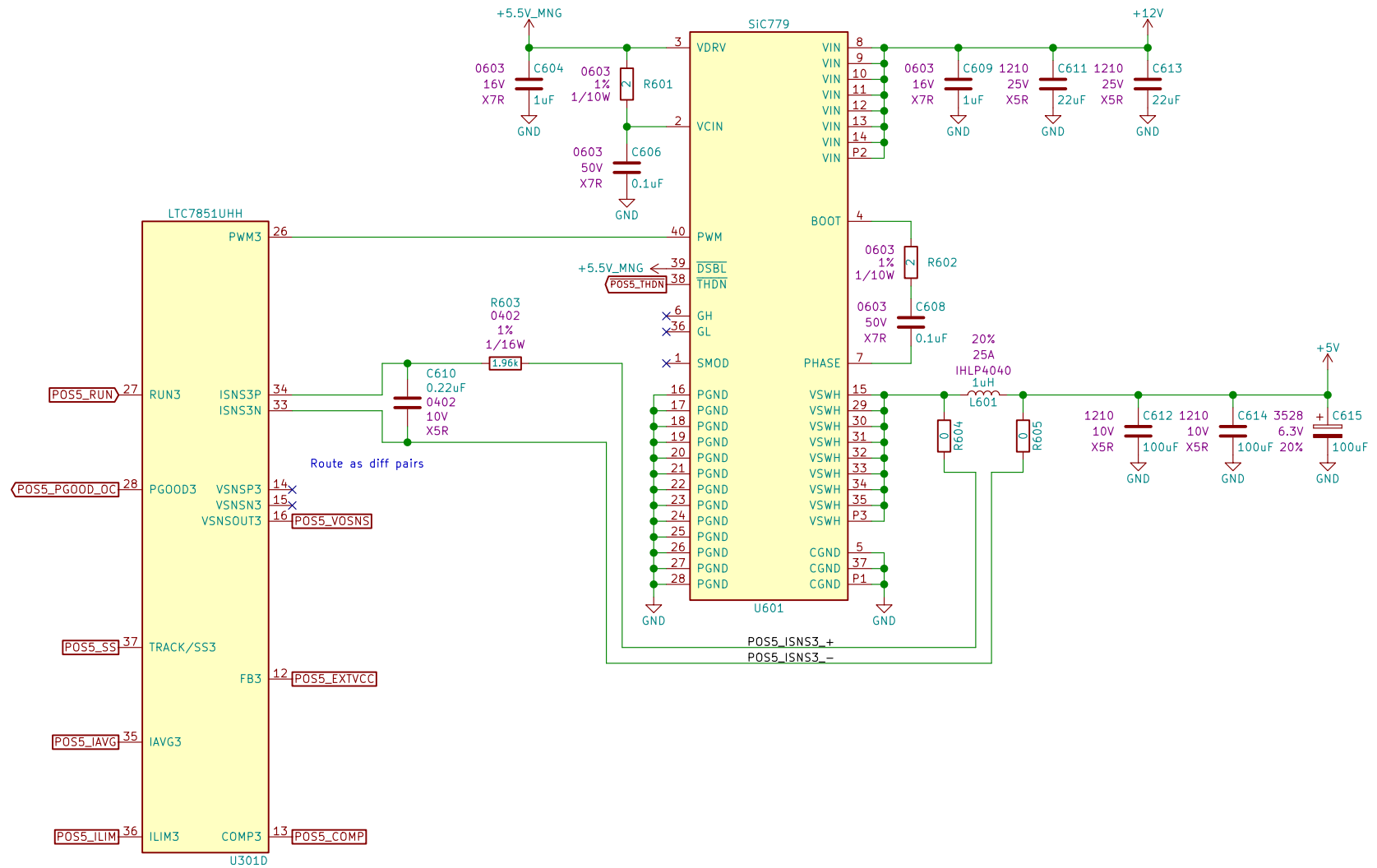
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+5V Phase 3



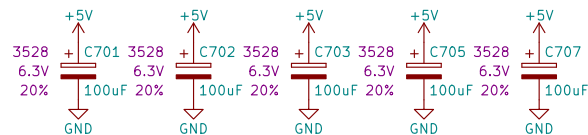
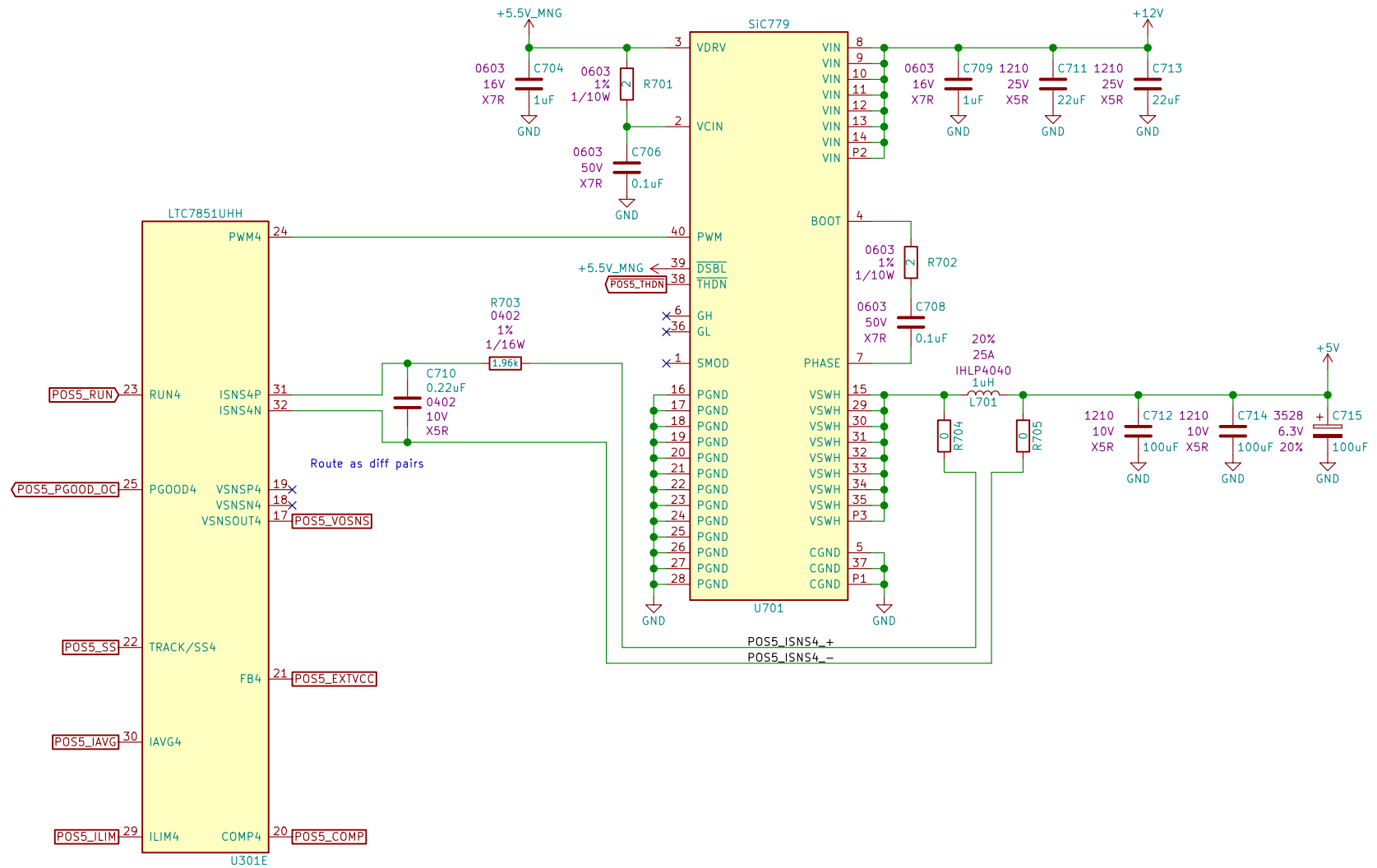
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+5V Phase 4

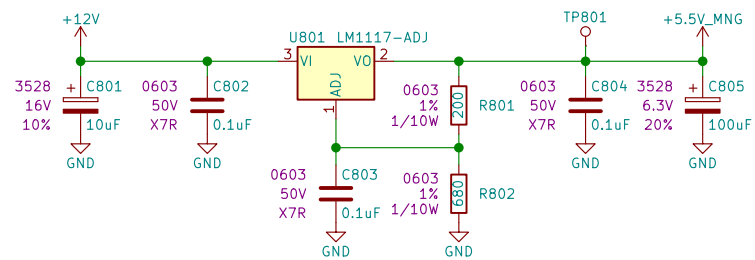


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KiCad E.D.A. kicad (5.0.1)–3		Id: 8/14

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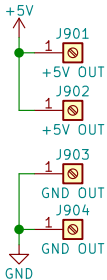
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Power Output

Place bulk output caps close to terminals



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Mounting Holes and Mechanical Components

MH1001
MountingHole



MH1003
MountingHole



MH1004
MountingHole



MH1006
MountingHole



4-40 Screw
MK1001



4-40 Screw
MK1009



4-40 Screw
MK1002



4-40 Screw
MK1010



4-40 Standoff
MK1003



4-40 Standoff
MK1011



4-40 Standoff
MK1004

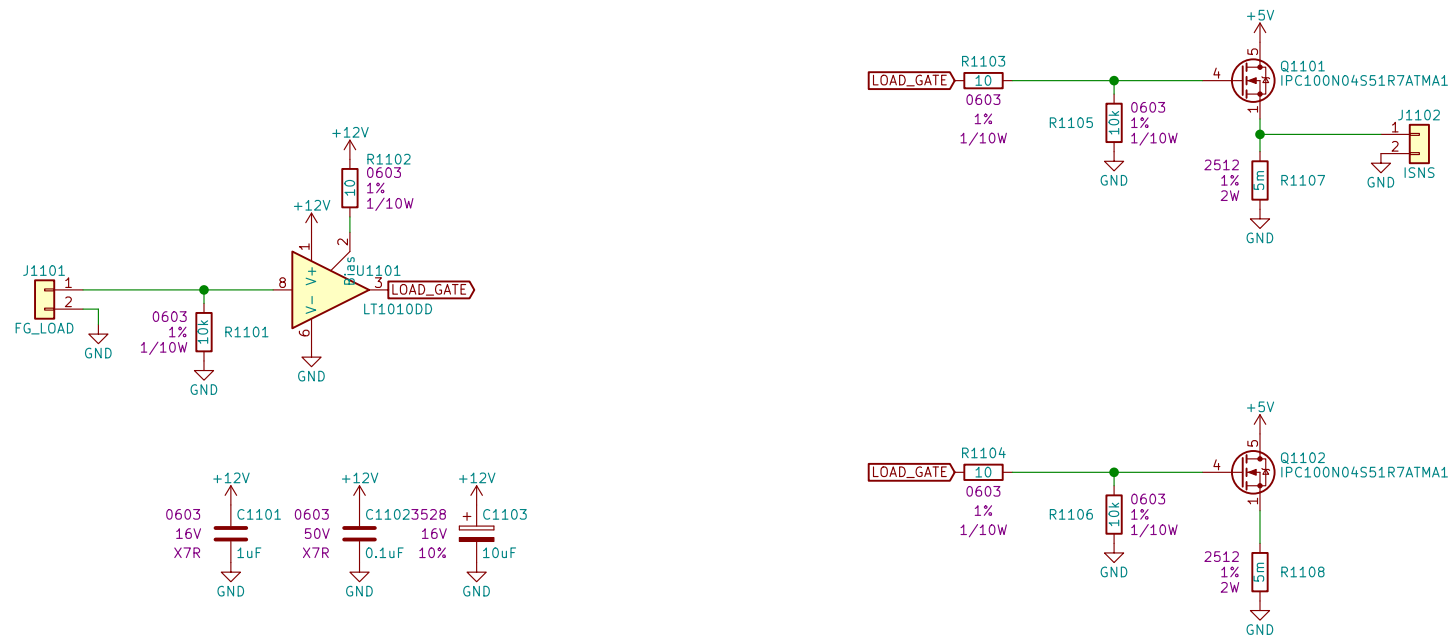


4-40 Standoff
MK1012



Sheet: /Mechanical/ File: Mechanical.sch		
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KiCad E.D.A. kicad (5.0.1)-3		Id: 10/14

Active Load Driver and Active Load Bank 1



Sheet: /Active Load 1/
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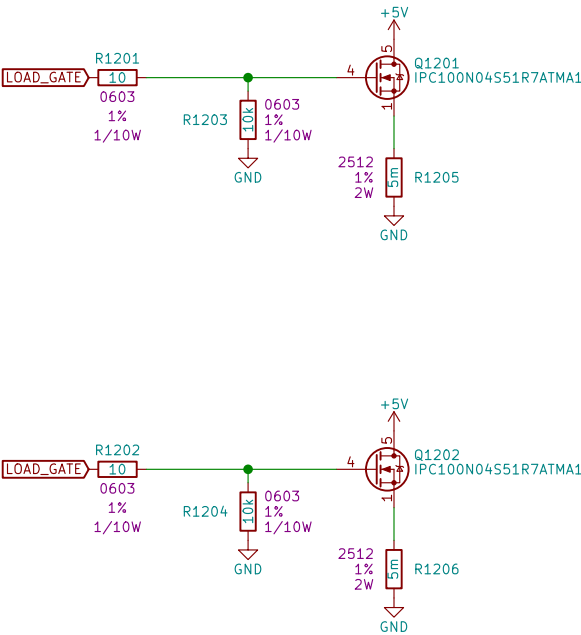
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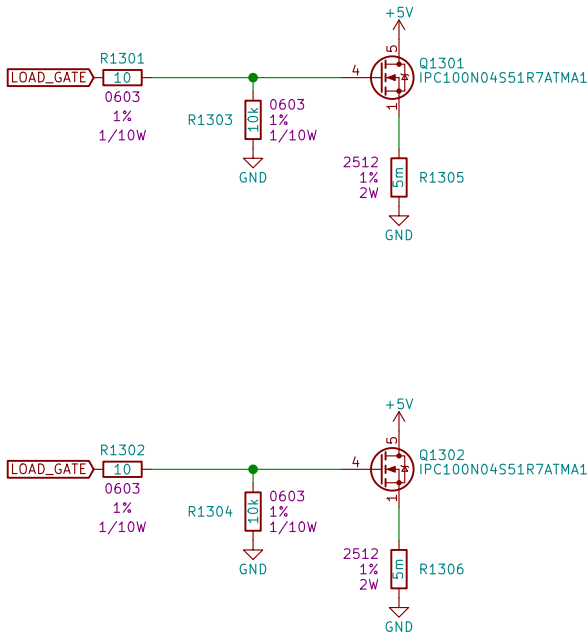
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Active Load Bank 2



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Active Load Bank 3



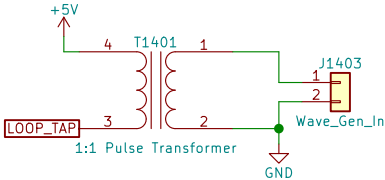
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Open Loop Transfer Function Test Components



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