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LTC7851 Demo Board
Quad–Phase 5V, 80A Buck Converter

Sheet: /
File: LTC7851_Demo.sch

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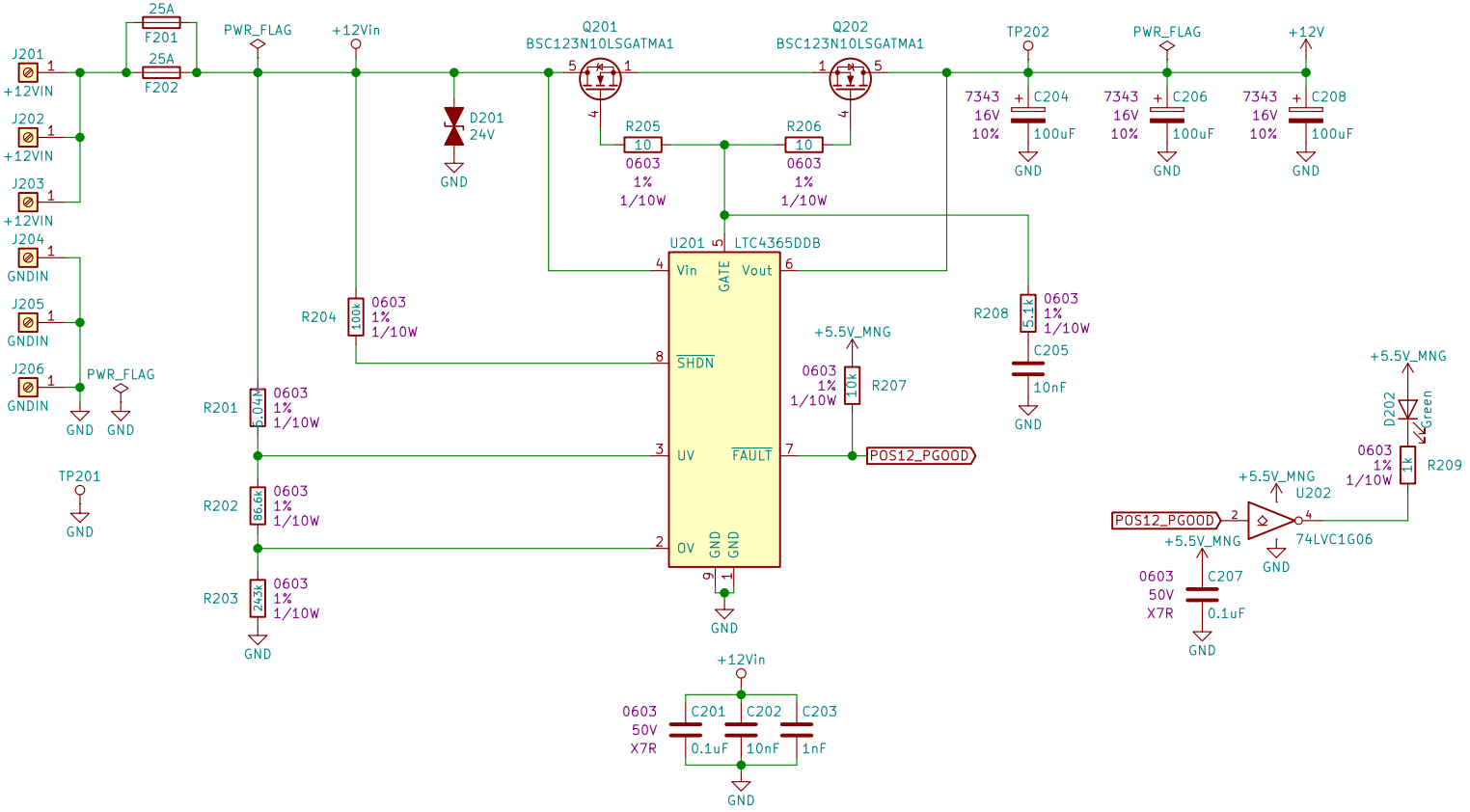
KiCad E.D.A. kicad (5.0.0)		Id: 1/14

Power Input



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Size: A	Date:	**Rev:**
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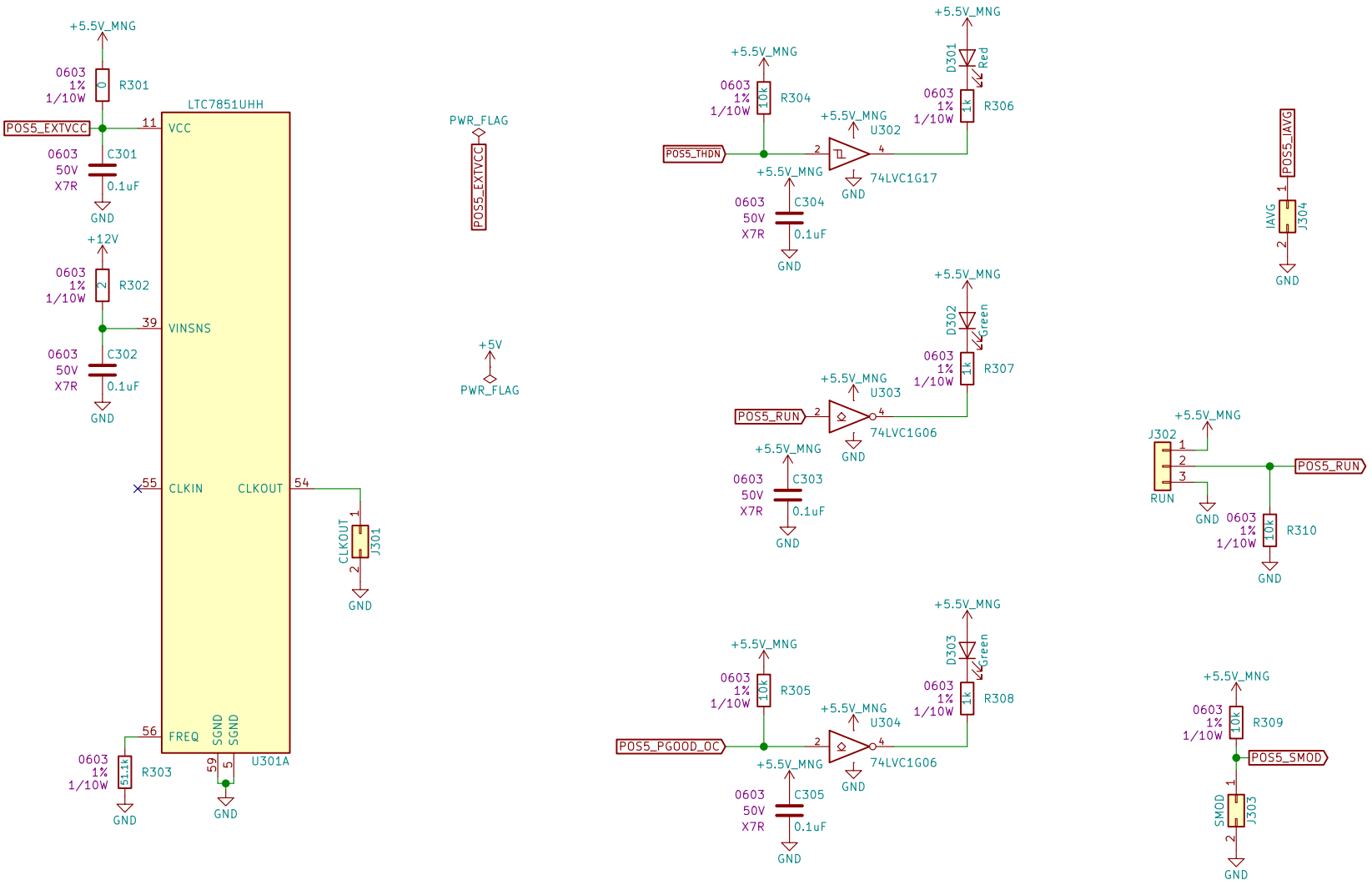
+5V Control



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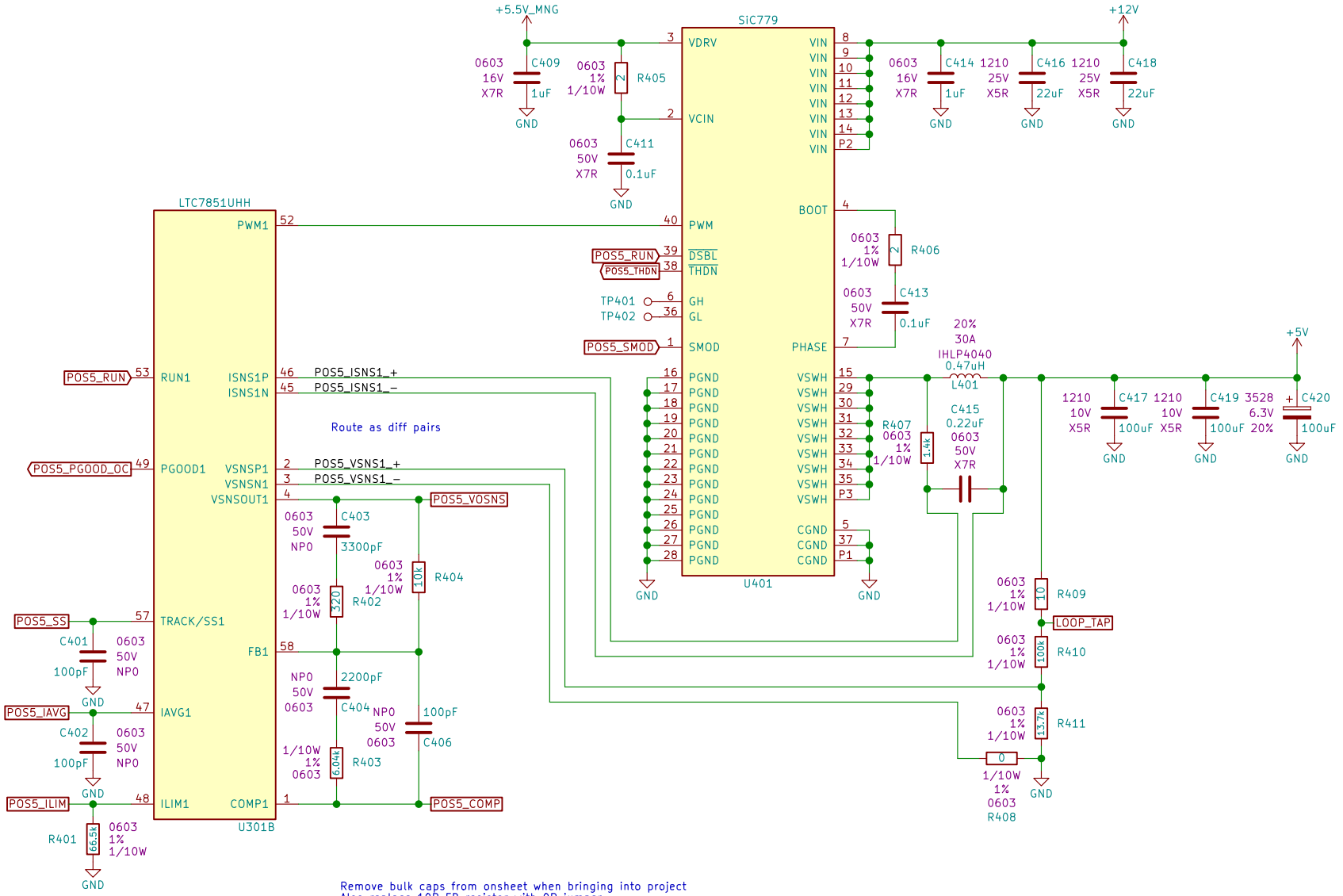
KiCad E.D.A. kicad (5.0.0)		Id: 3/14

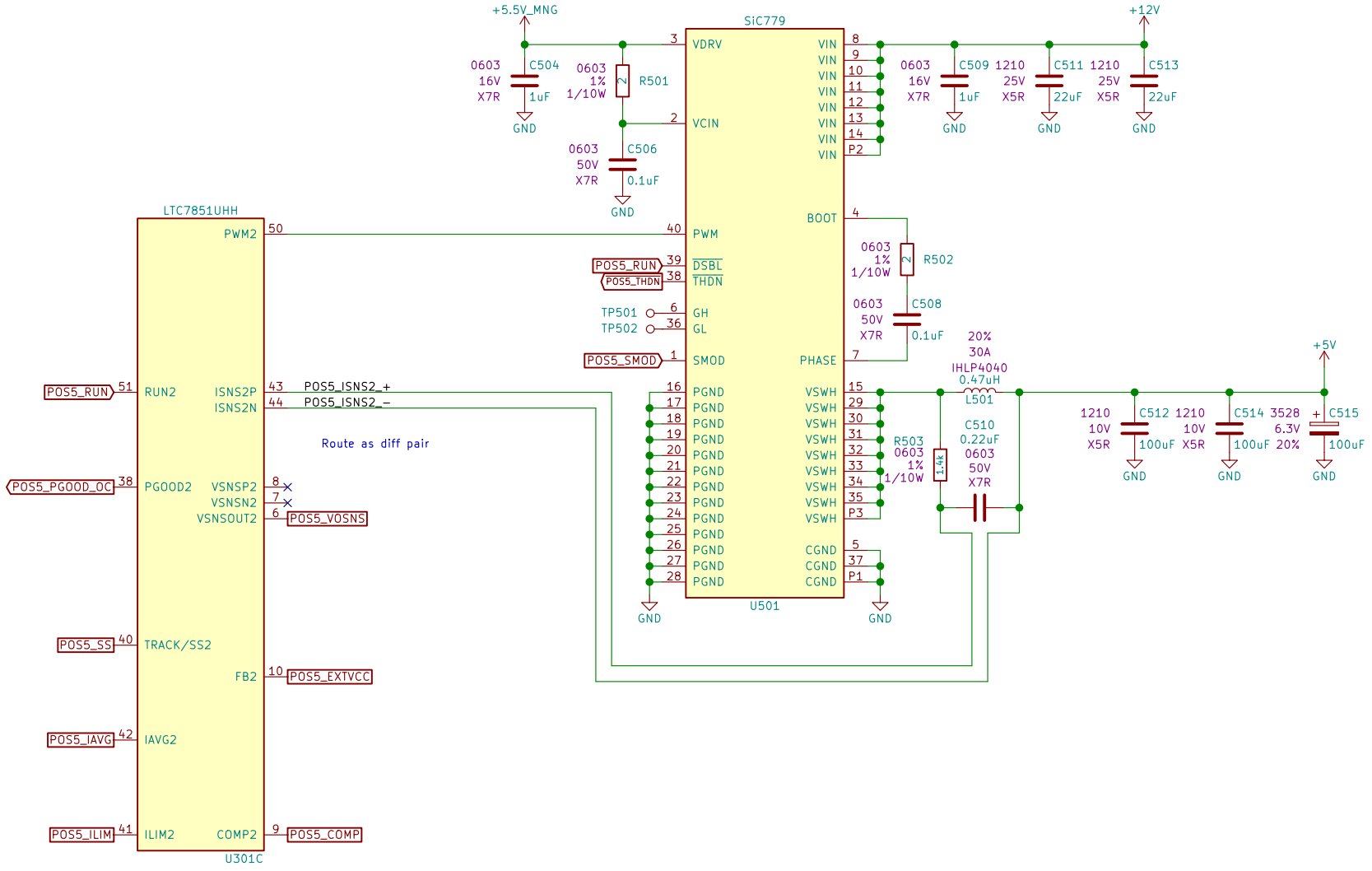
+5V Phase 1



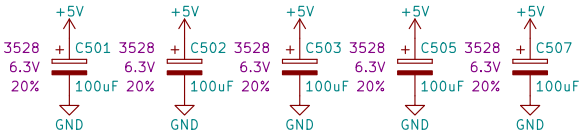
Remove bulk caps from onsheet when bringing into project
Also replace 10R FB resistor with 0R jumper

Sheet: /POS5 Phase 1/		
File: POS5_Phase_1.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.0.0)		Id: 4/14

+5V Phase 2



Remove bulk caps from onsheet when bringing into project



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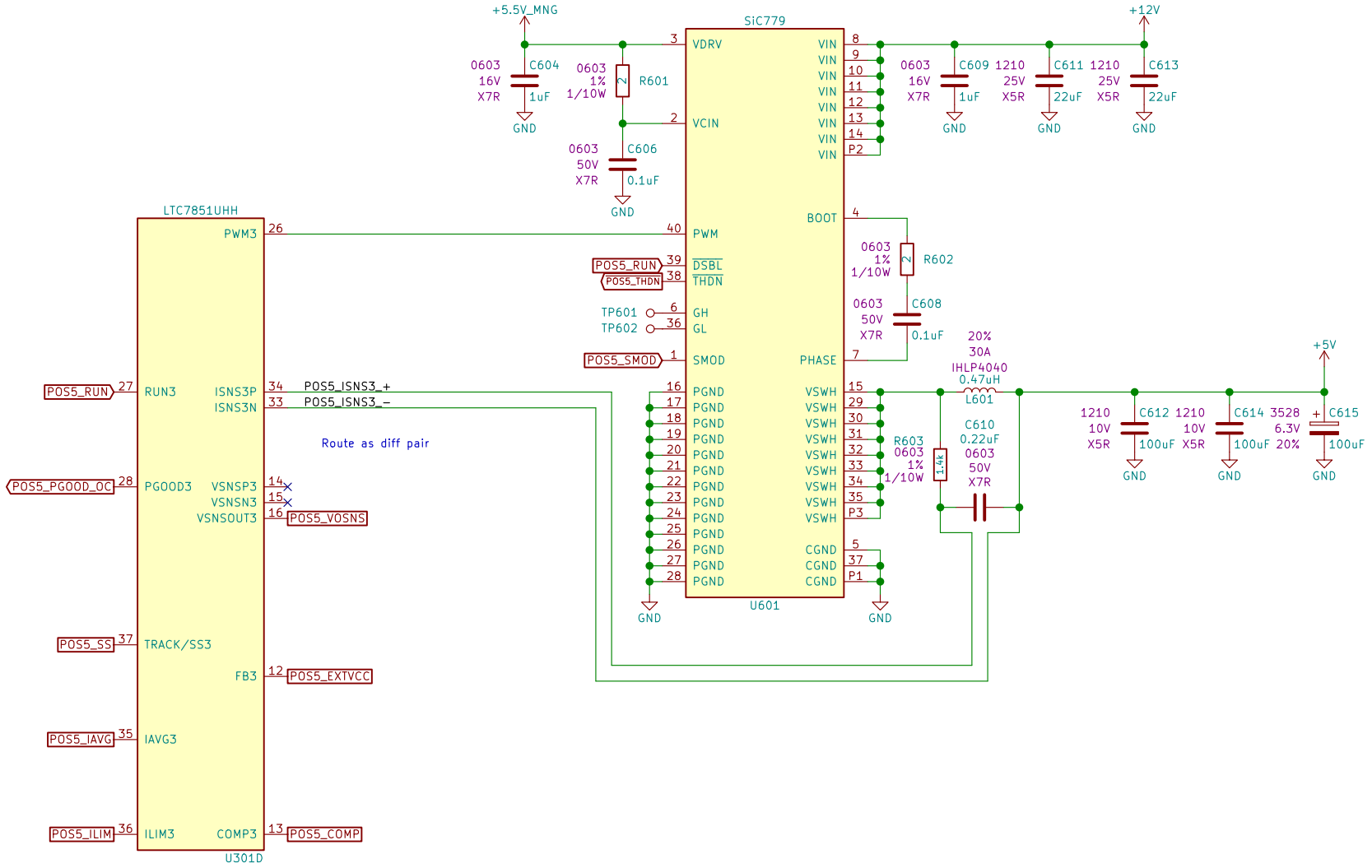
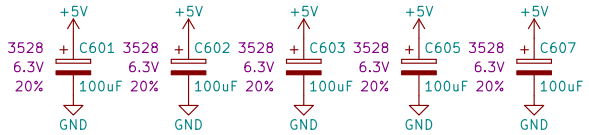
Size: A	Date:
KiCad E.D.A. kicad (5.0.0)	Id: 5/14

+5V Phase 3



Remove bulk caps from onsheet when bringing into project



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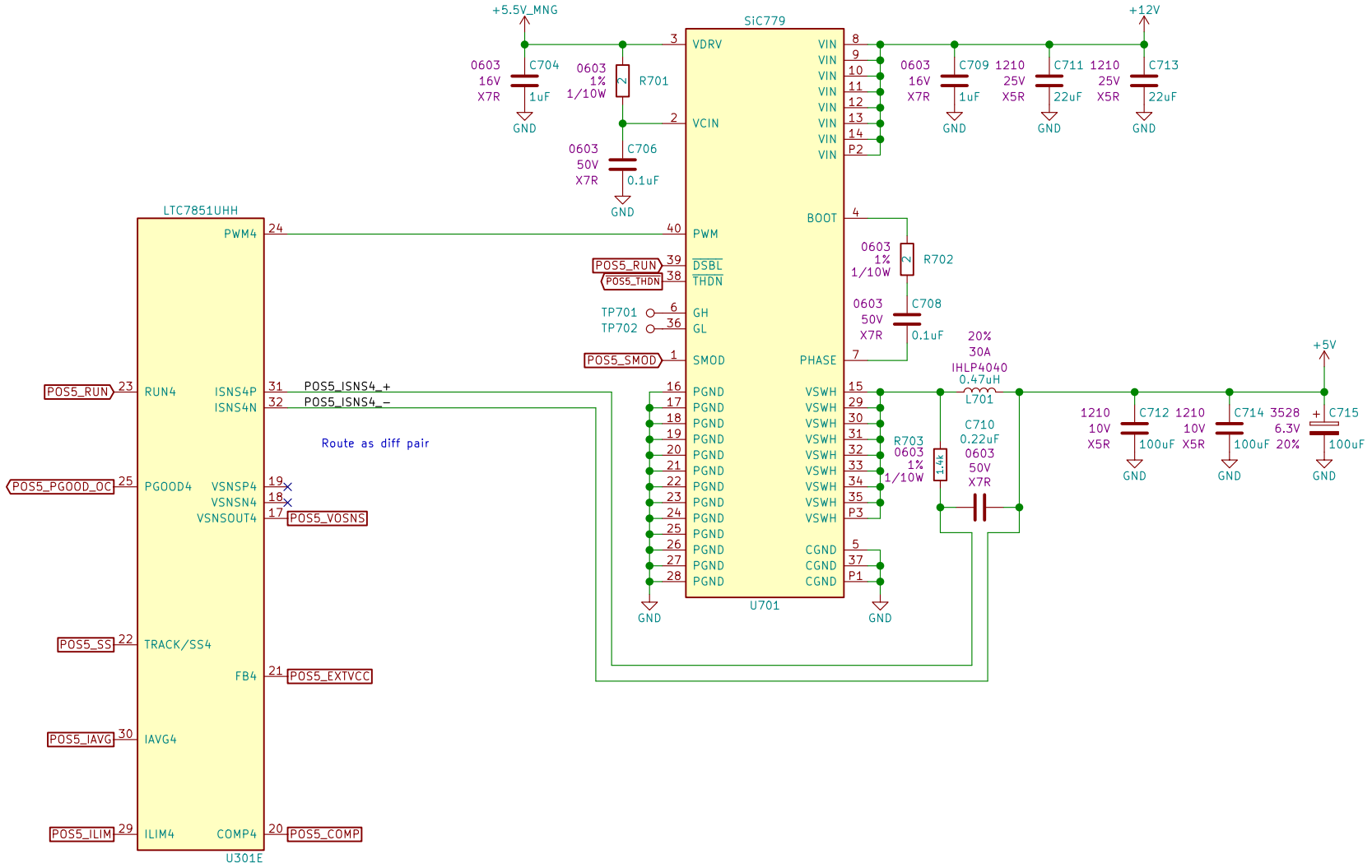
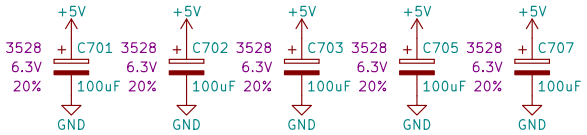
KiCad E.D.A. kicad (5.0.0)		Id: 6/14

+5V Phase 4



Remove bulk caps from onsheet when bringing into project



Sheet: /POS5 Phase 4/		
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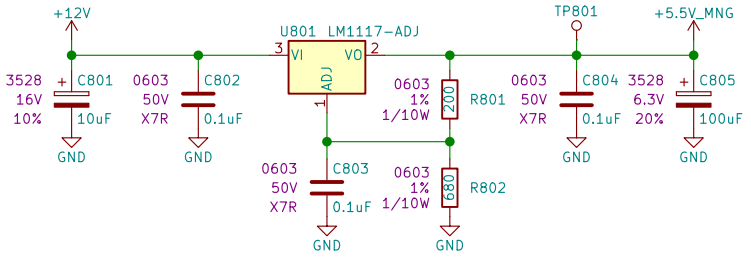
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.0.0)		Id: 7/14

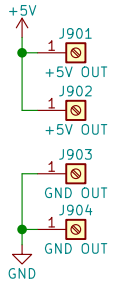
+5.5V MNG



Sheet: /POS5P5 MNG/		
File: POS5P5_MNG.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.0.0)		Id: 8/14

Power Output

Place bulk output caps close to terminals



Sheet: /Power Output/ File: Power_Output.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.0.0)		Id: 9/14

Mounting Holes and Mechanical Components

MH1001
MountingHole

MH1003
MountingHole

MH1005
MountingHole

MH1002
MountingHole

MH1004
MountingHole

MH1006
MountingHole

4-40 Screw
MK1001

4-40 Screw
MK1005

4-40 Screw
MK1009

4-40 Screw
MK1002

4-40 Screw
MK1006

4-40 Screw
MK1010

4-40 Standoff
MK1003

4-40 Standoff
MK1007

4-40 Standoff
MK1011

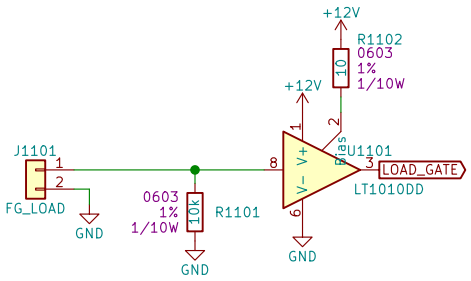
4-40 Standoff
MK1004

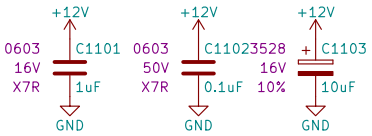
4-40 Standoff
MK1008

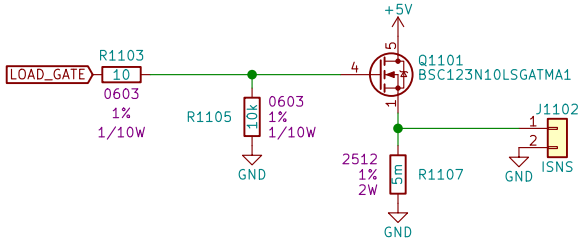
4-40 Standoff
MK1012

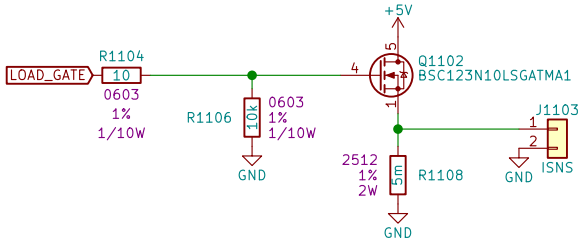
Sheet: /Mechanical/ File: Mechanical.sch		
Title:		
Size: A	Date: 2018-10-01	**Rev: A**
KiCad E.D.A. kicad (5.0.0)		Id: 10/14

Active Load Driver and Active Load Bank 1







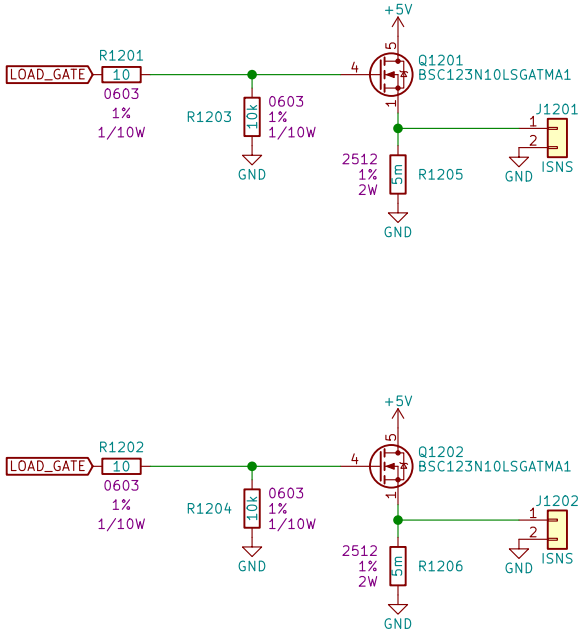


Sheet: /Active Load 1/
File: Active_Load_1.sch

Title:

Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.0.0)		Id: 11/14

Active Load Bank 2



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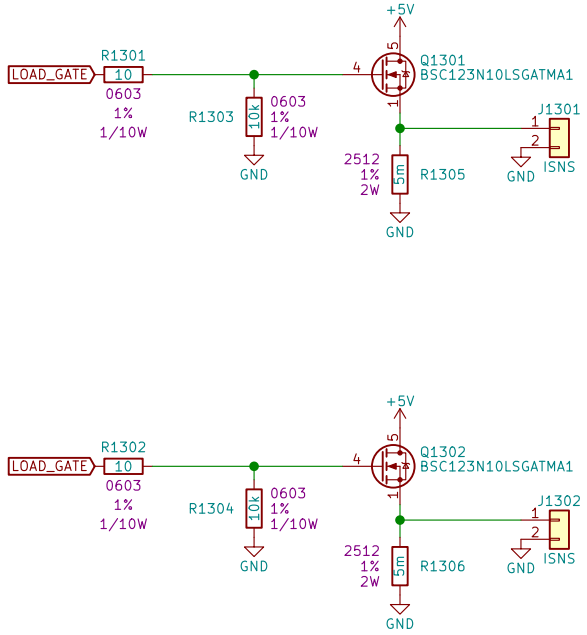
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.0.0)		Id: 12/14

Active Load Bank 3



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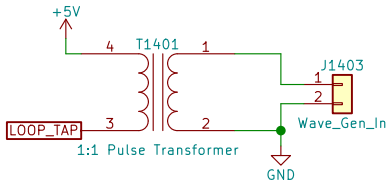
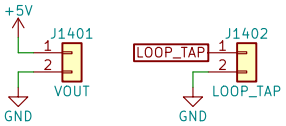
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.0.0)		Id: 13/14

Open Loop Transfer Function Test Components





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