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LED Display Power Board

Marquette University Senior Design 2018/2019, Group E44
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Note: If component footprints, tolerances, and power ratings are hidden, components are:
0402 case size, 1% tolerance, 1/16W power rating

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Sheet: /
File: LTC7851_Demo.sch

Title: Electronic Display Power Board

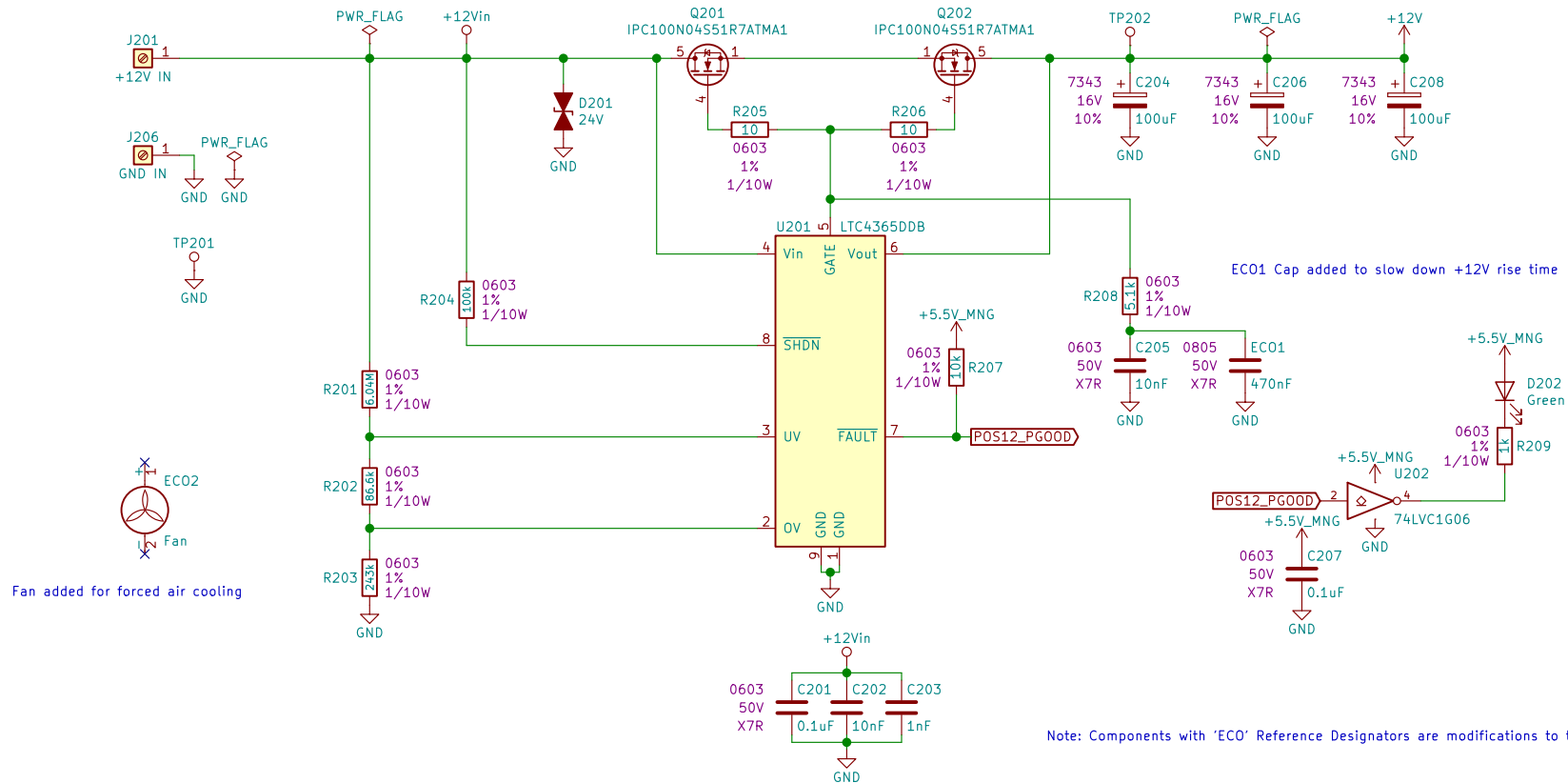
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Rev: A

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02. Power Input



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Sheet: /Power Input/
File: Power_Input.sch

Title: Electronic Display Power Board

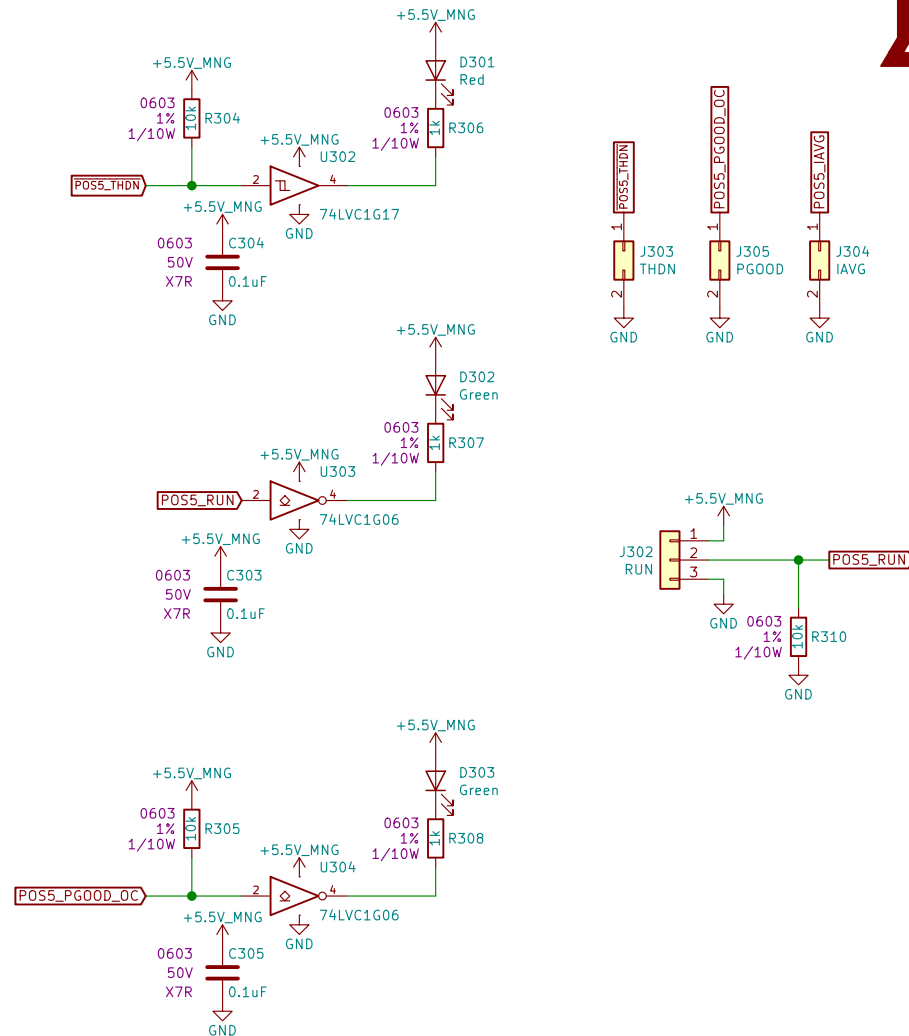
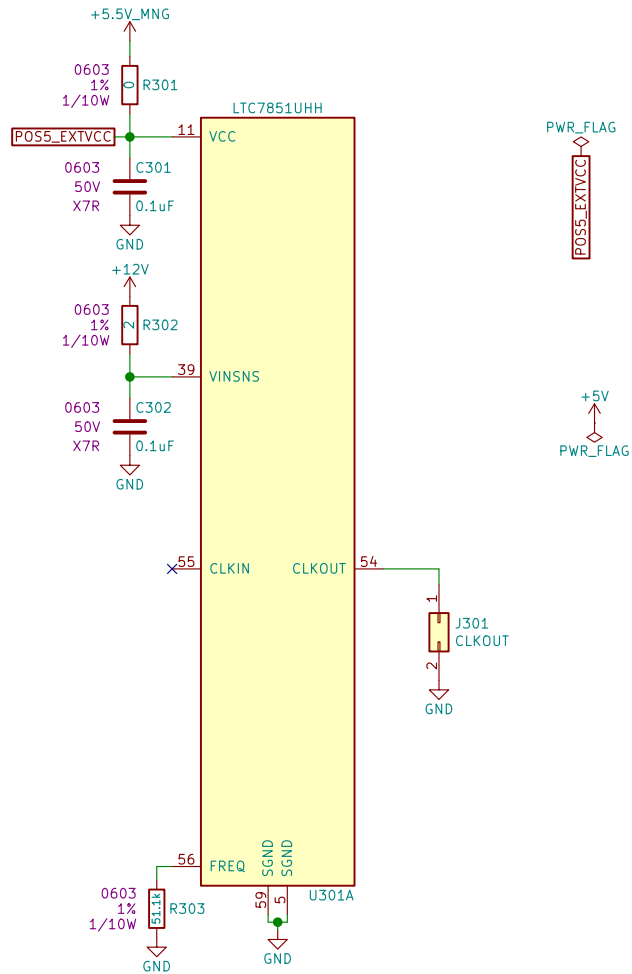
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Id: 2/14

03. +5V Control



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Sheet: /POS5 Control/
File: POS5_Control.sch

Title: Electronic Display Power Board

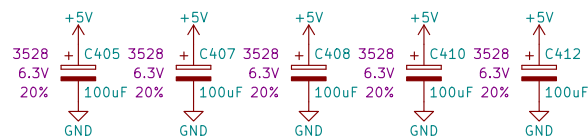
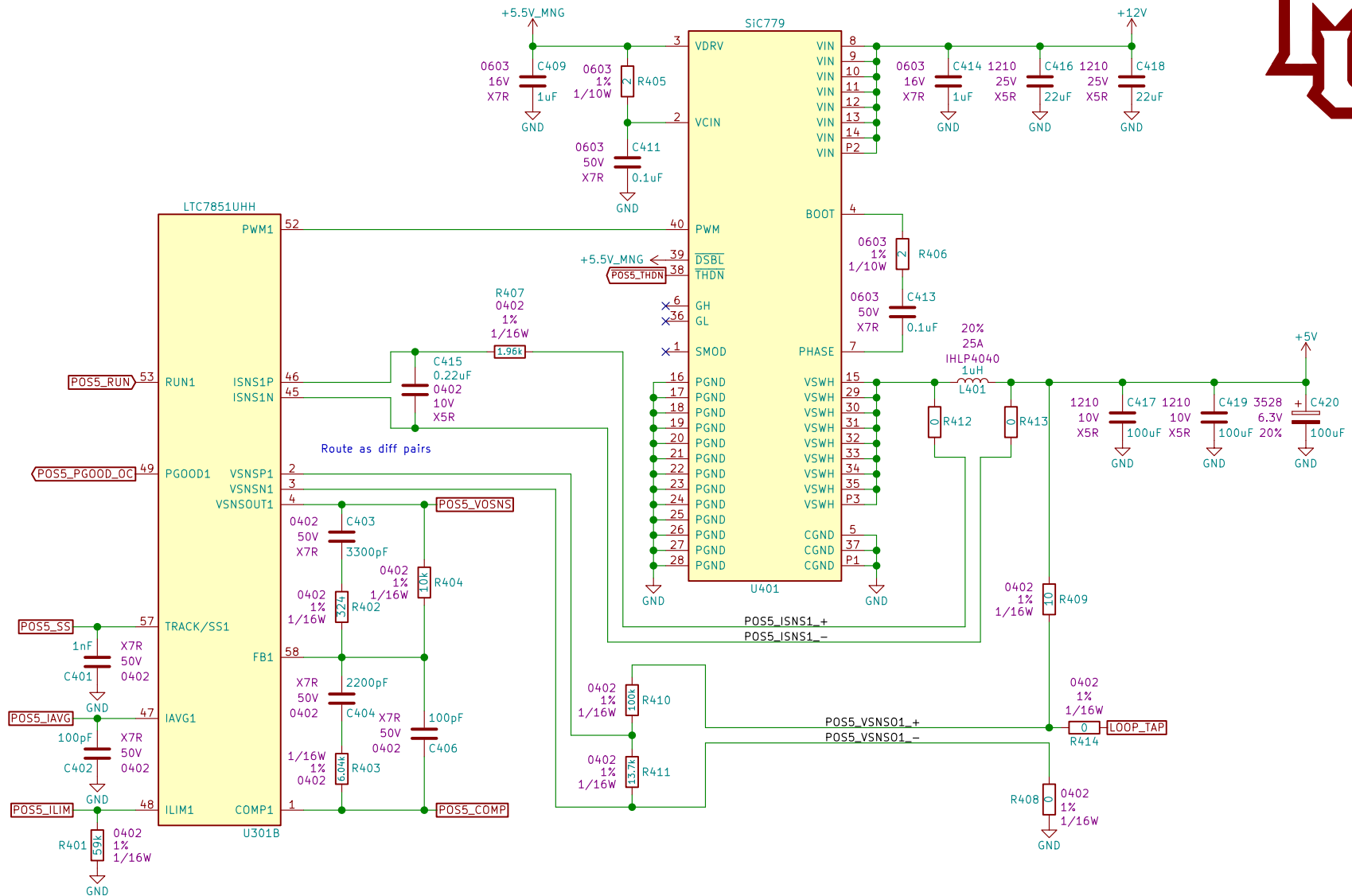
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04. +5V Phase 1



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Sheet: /POS5 Phase 1/
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Title: Electronic Display Power Board

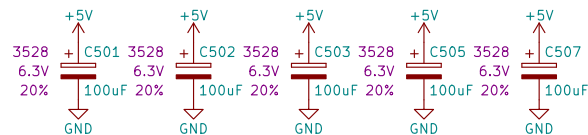
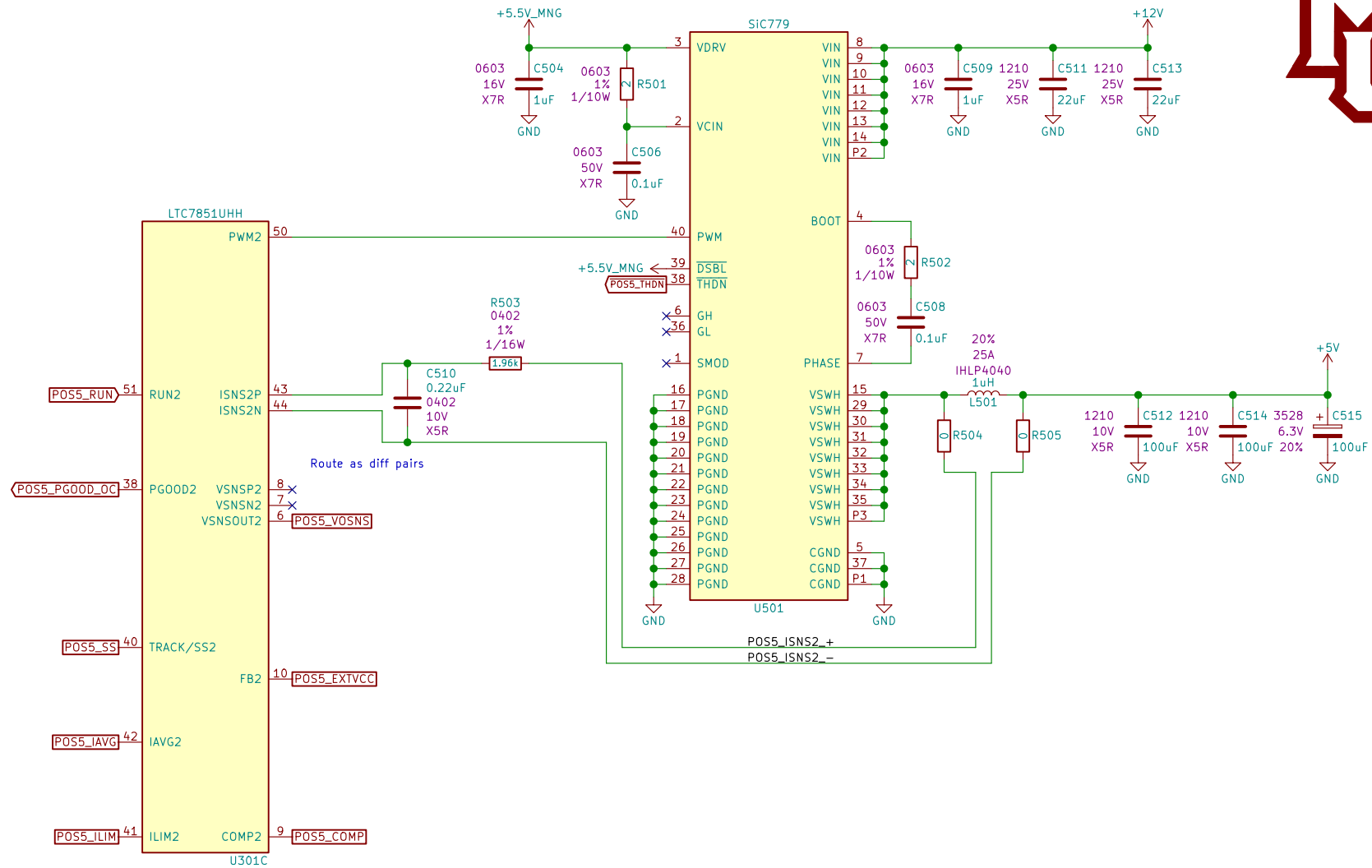
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05. +5V Phase 2



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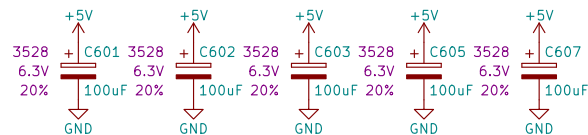
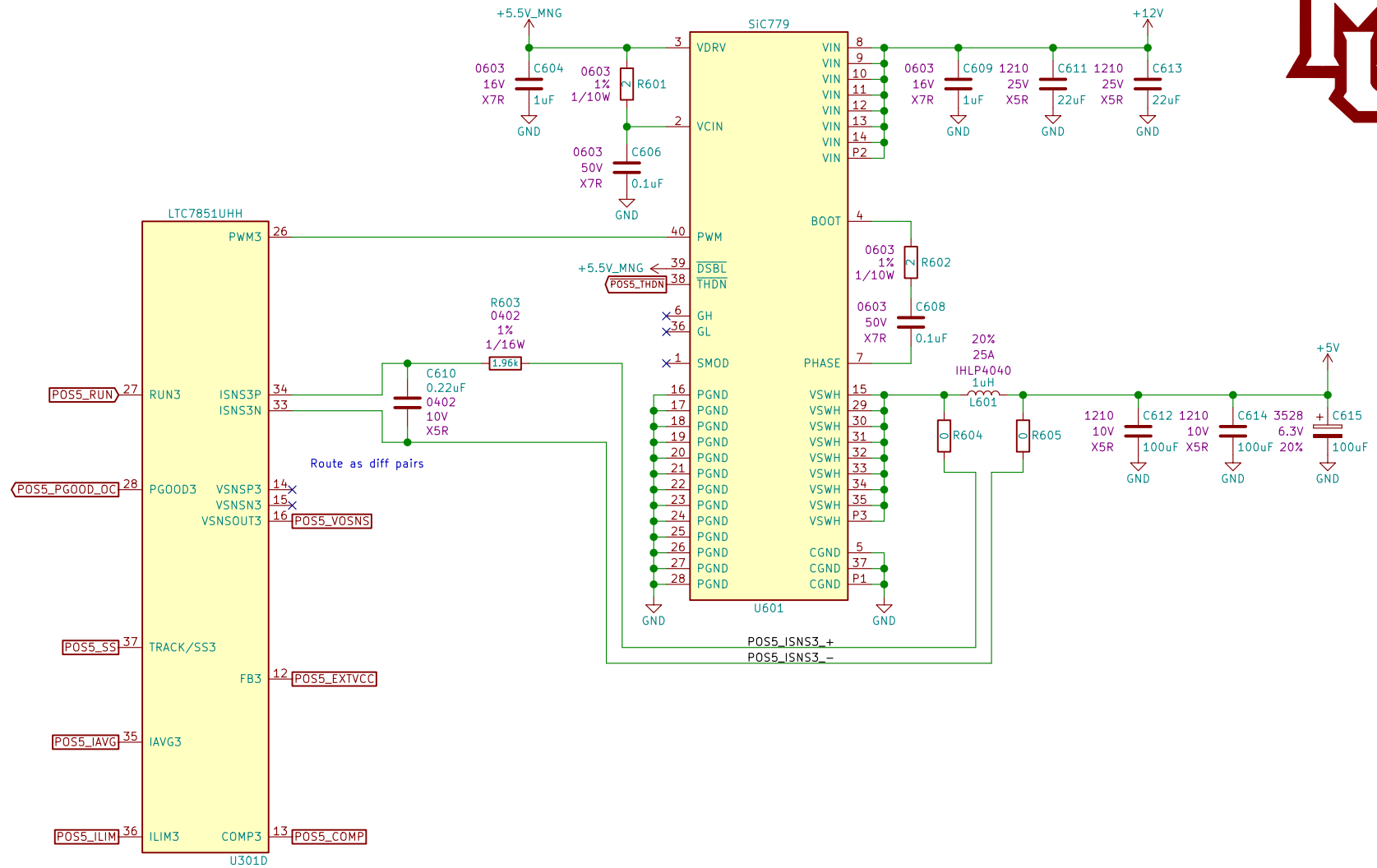
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Title: Electronic Display Power Board

Size: A Date: 2018-11-28
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06. +5V Phase 3



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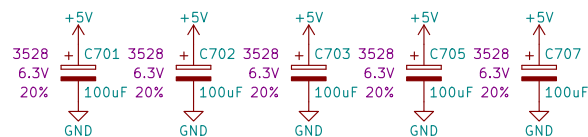
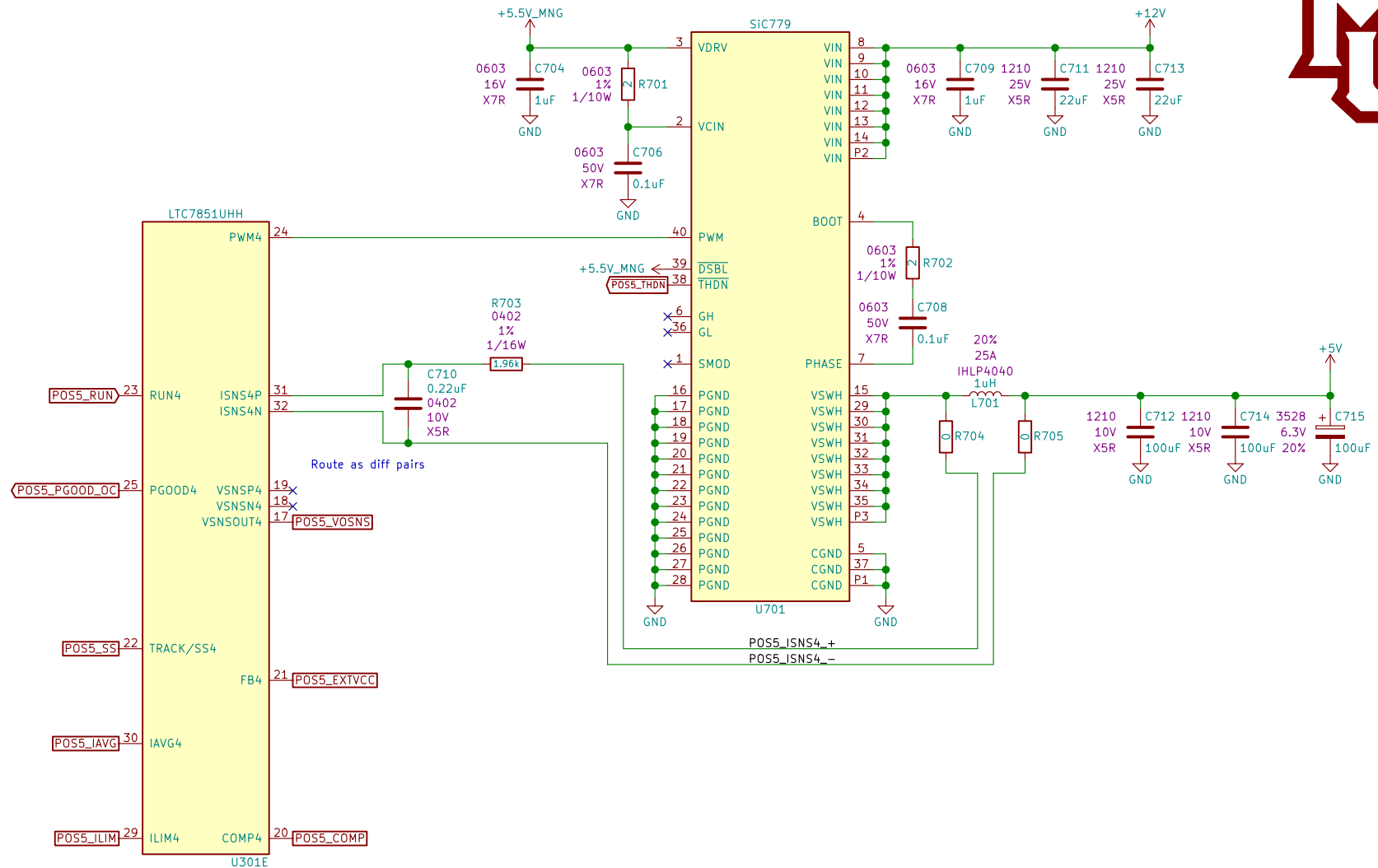
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Title: Electronic Display Power Board

Size: A Date: 2018-11-28
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07. +5V Phase 4



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Sheet: /POS5 Phase 4/
File: POS5_Phase_4.sch

Title: Electronic Display Power Board

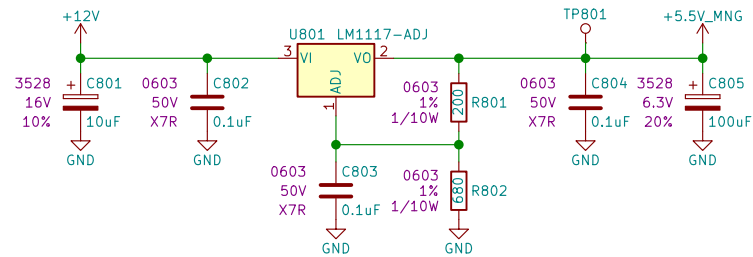
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08. +5.5V MNG



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Sheet: /POS5P5_MNG/

File: POS5P5_MNG.sch

Title: Electronic Display Power Board

Size: A Date: 2018-11-28

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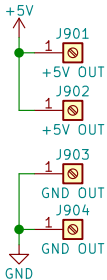
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09. Power Output



Place bulk output caps close to terminals



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Sheet: /Power Output/ File: Power_Output.sch		
Title: Electronic Display Power Board		
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10. 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



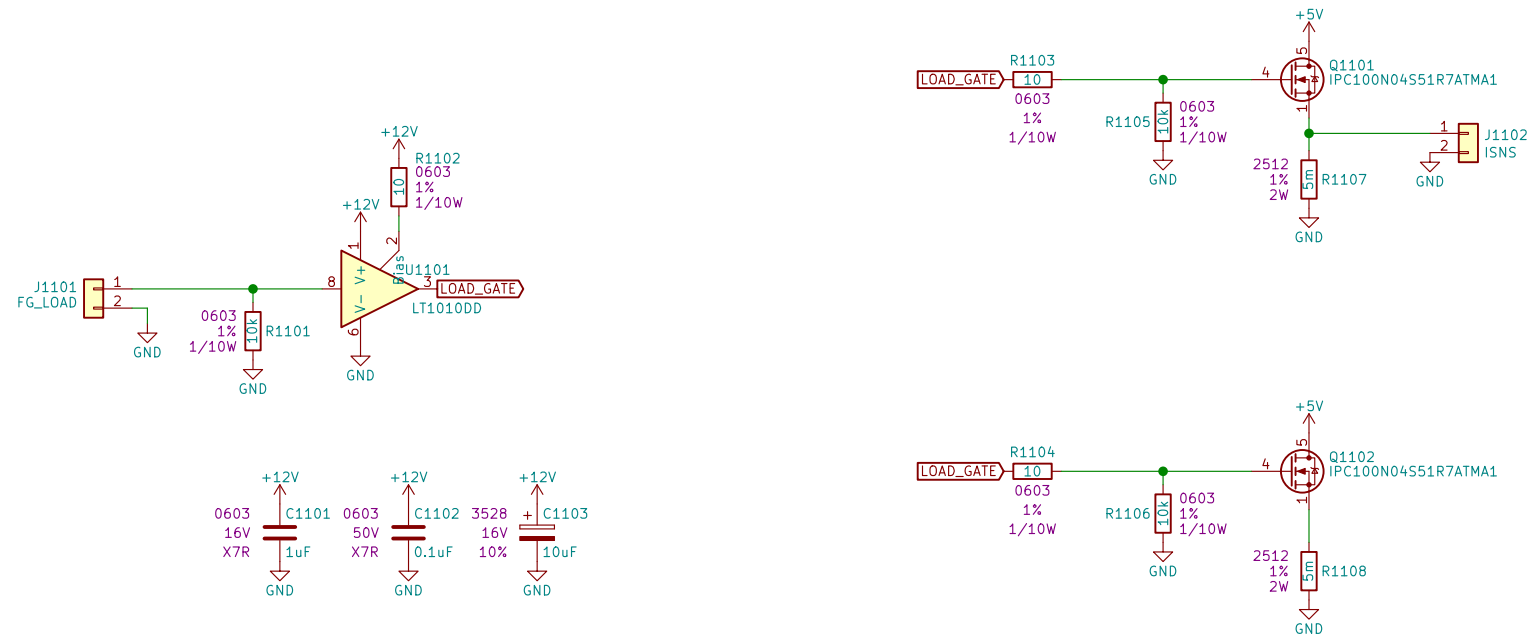
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Sheet: /Mechanical/
File: Mechanical.sch

Title: Electronic Display Power Board

Size: A	Date: 2018-11-28	Rev: A
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11. Active Load Driver and Active Load Bank 1



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Sheet: /Active Load 1/

File: Active_Load_1.sch

Title: Electronic Display Power Board

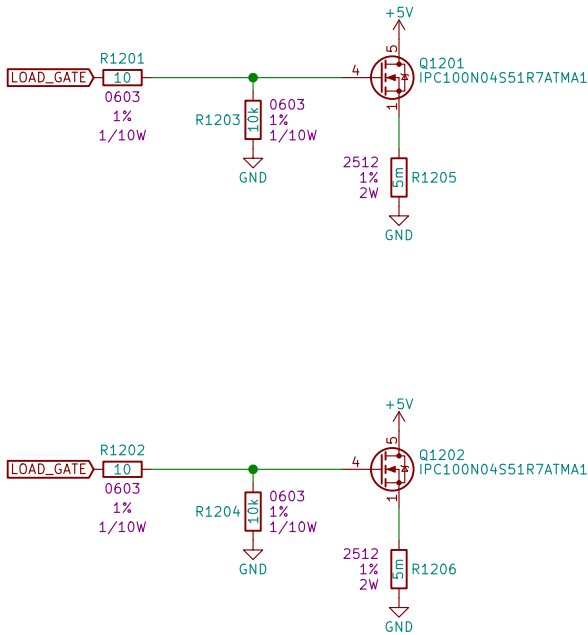
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12. Active Load Bank 2



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Sheet: /Active Load 2/

File: Active_Load_2.sch

Title: Electronic Display Power Board

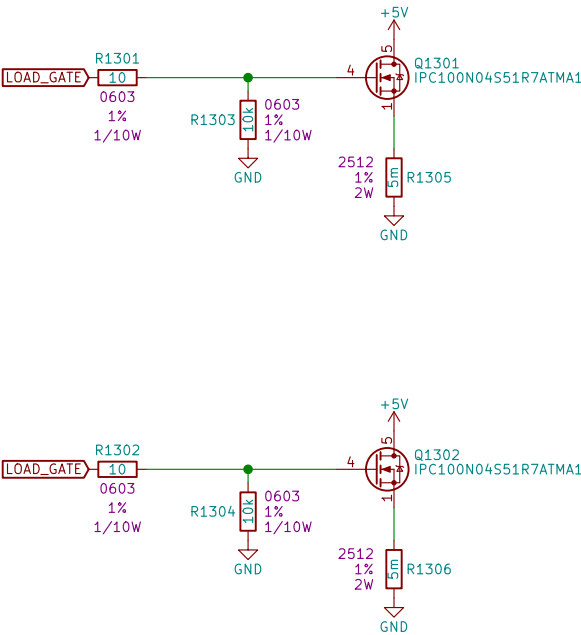
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13. Active Load Bank 3



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Sheet: /Active Load 3/

File: Active_Load_3.sch

Title: Electronic Display Power Board

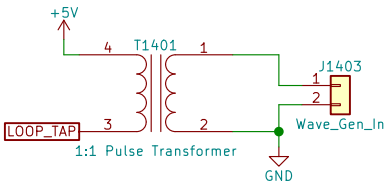
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14. Open Loop Transfer Function Test Components



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Sheet: /Loop Response/

File: Loop_Response.sch

Title: Electronic Display Power Board

Size: A

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