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AC_Current_Sensor.sch

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Status LEDs
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Sheet: /
File: AC_Power_Meter.sch

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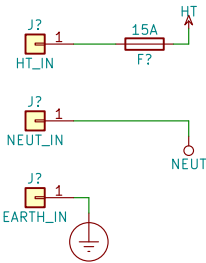
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KiCad E.D.A. kicad (5.0.0)

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AC Input Connections

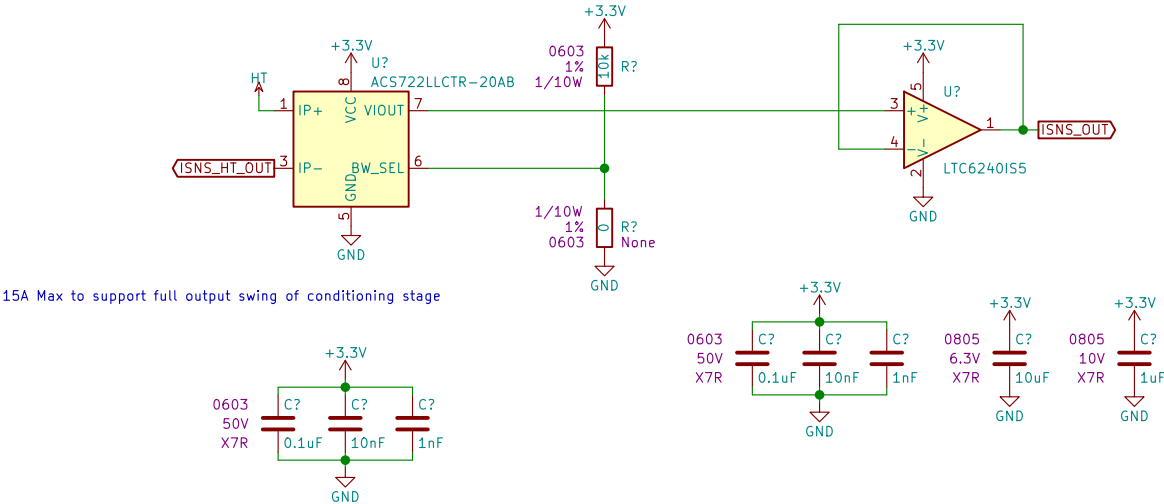


From Panel AC Input Socket ->

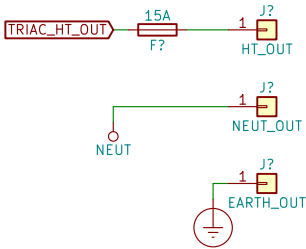


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AC Current Sensor, Signal Buffer



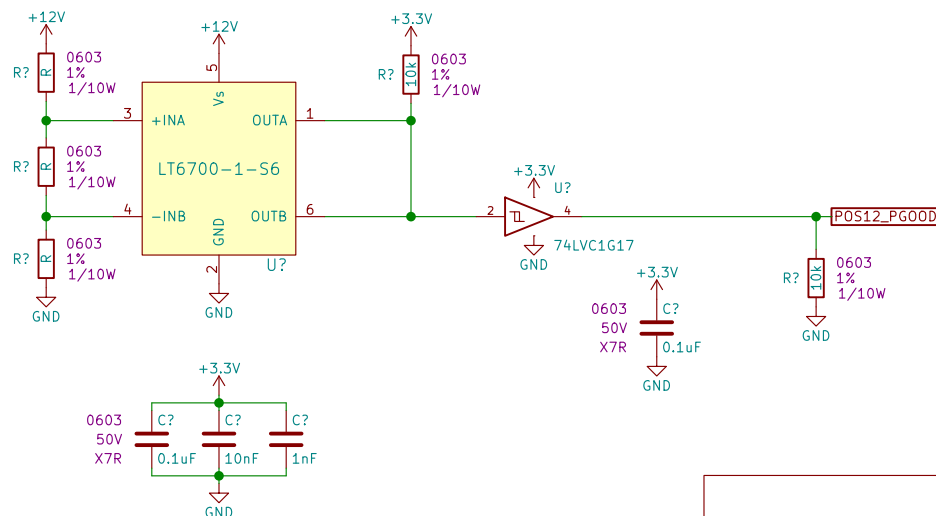
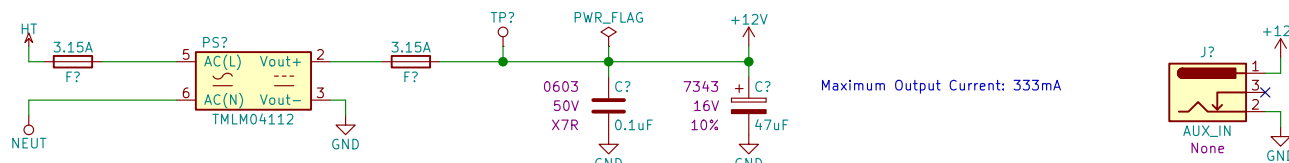
AC Output Connections



-> To Panel AC Output Socket

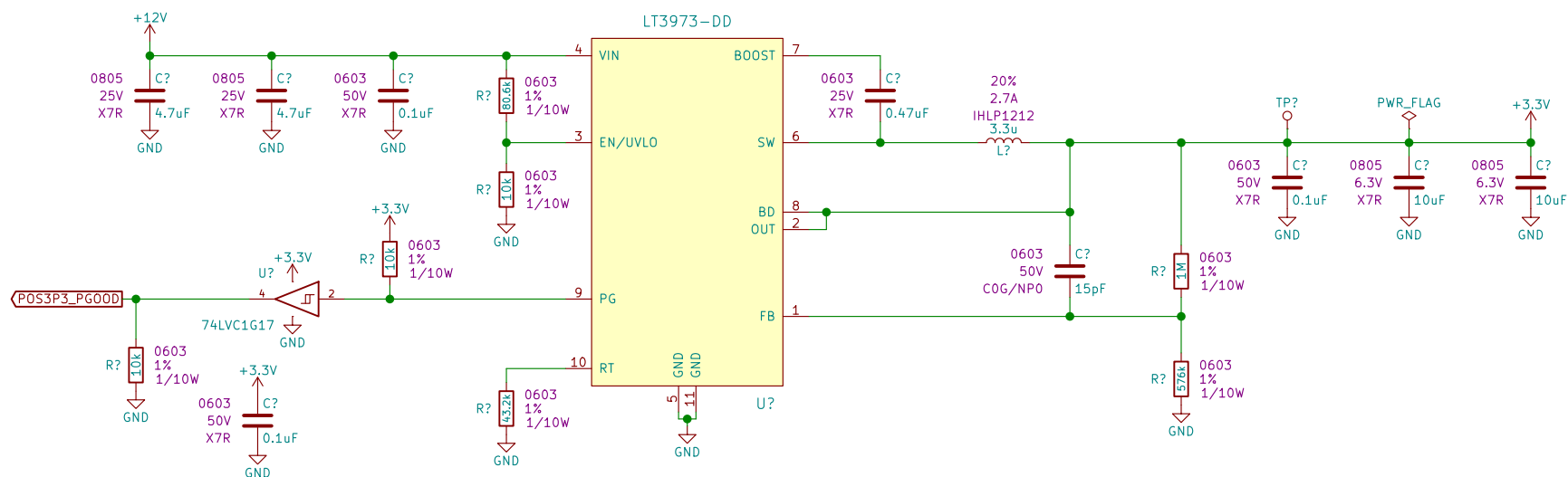
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+12V 4W Isolated AC/DC Converter, +12V PGOOD Window Comparator



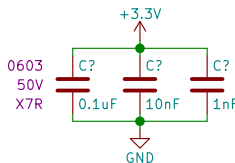
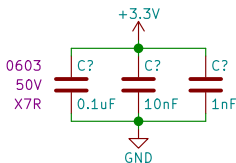
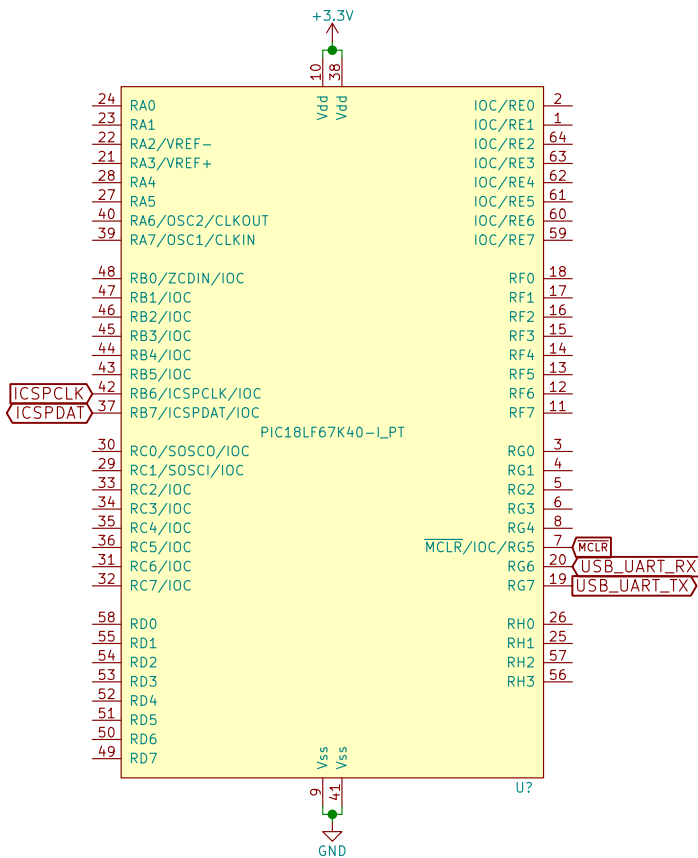
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+3.3V, 750mA, 2MHz Buck Converter



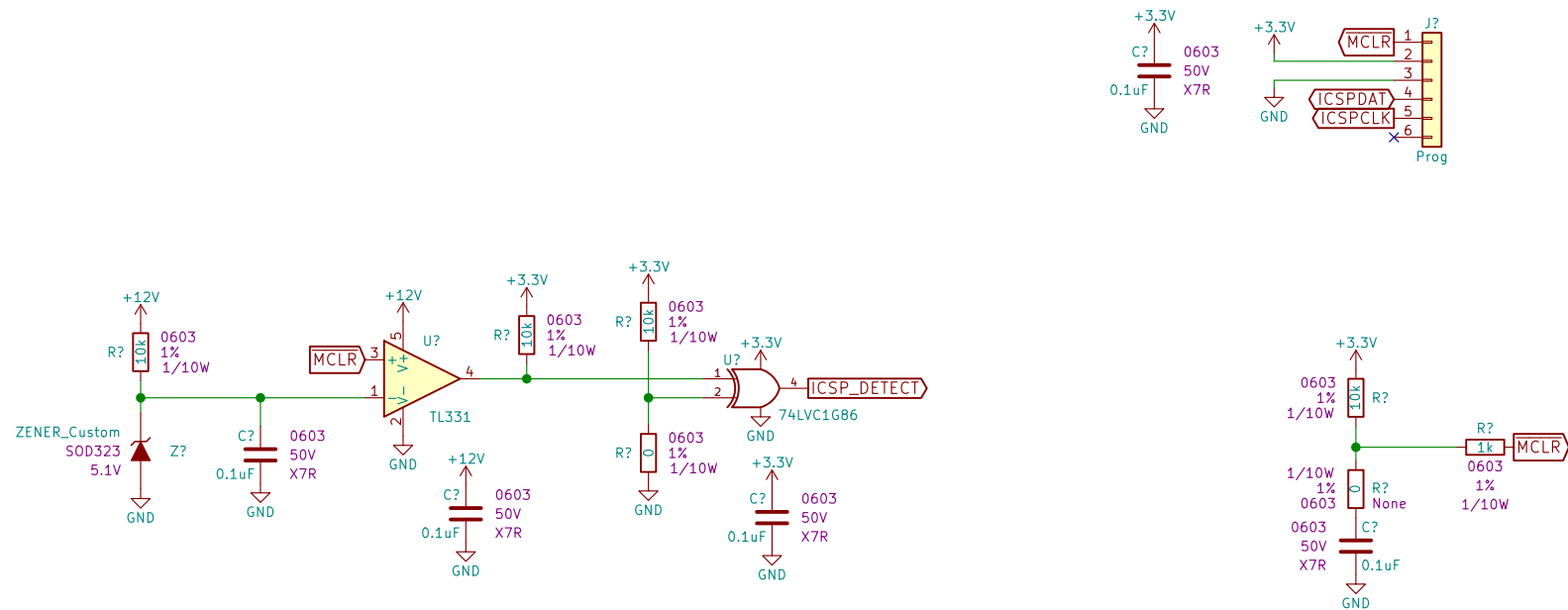
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8 bit High Performance Enhanced Flash PIC Microcontroller



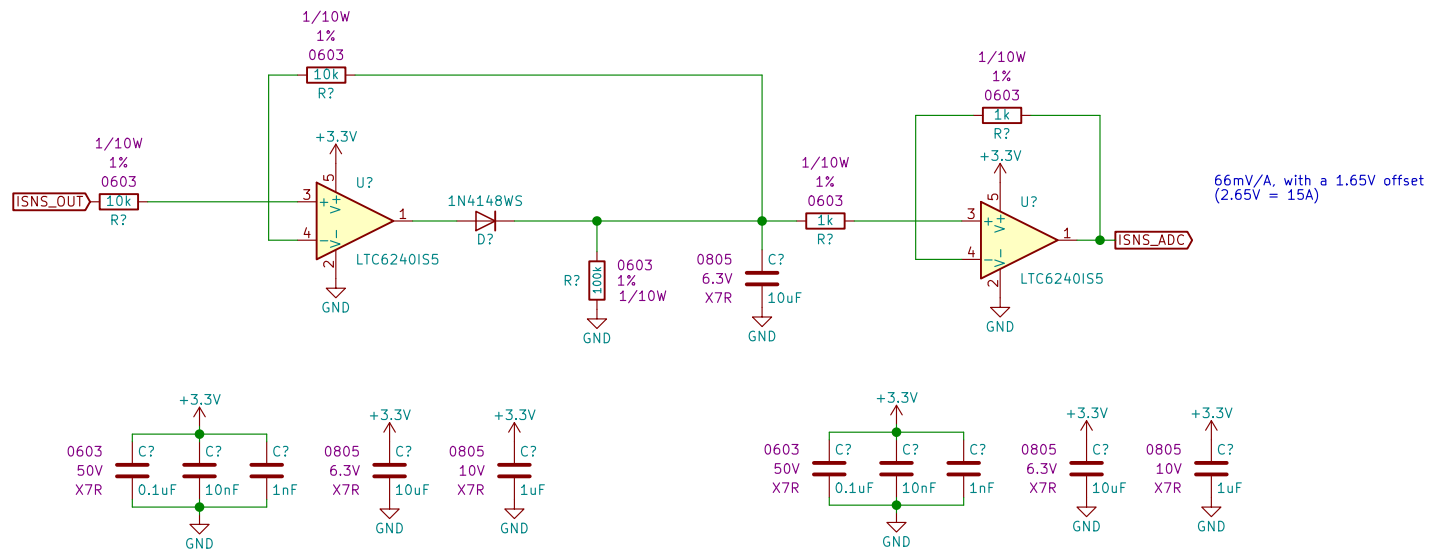
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Programming Header, MCLR Reset Filter, ICSP Detection



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Current Sensing Peak Detector, ADC Buffer



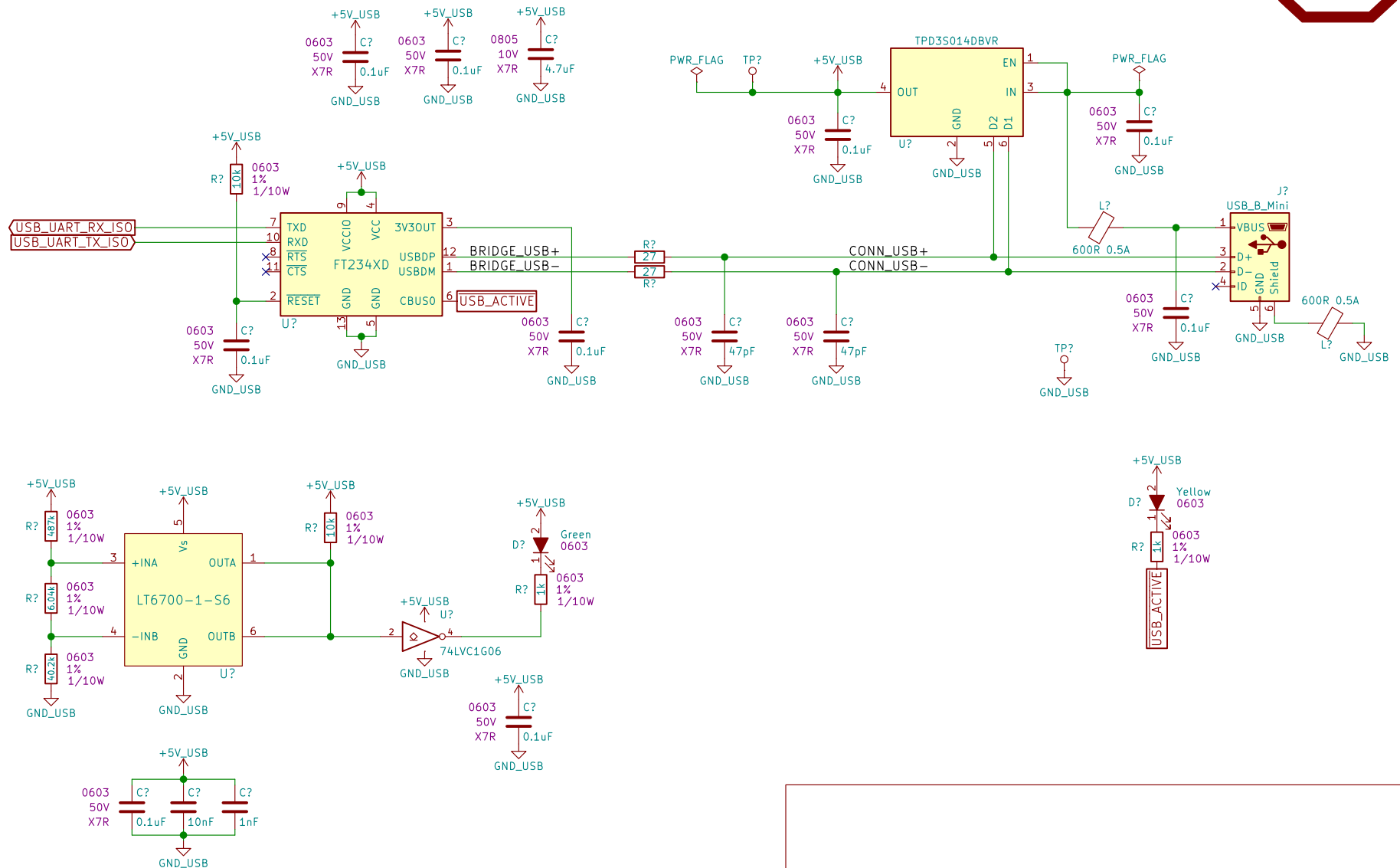
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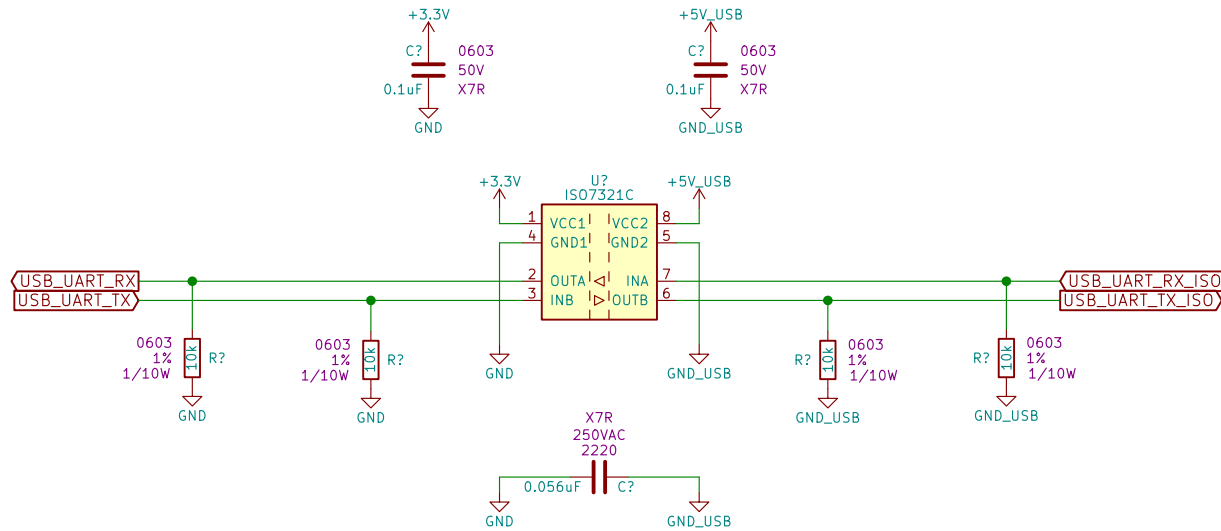
Rev: A
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UART to USB Bridge, +5V USB Window Comparator



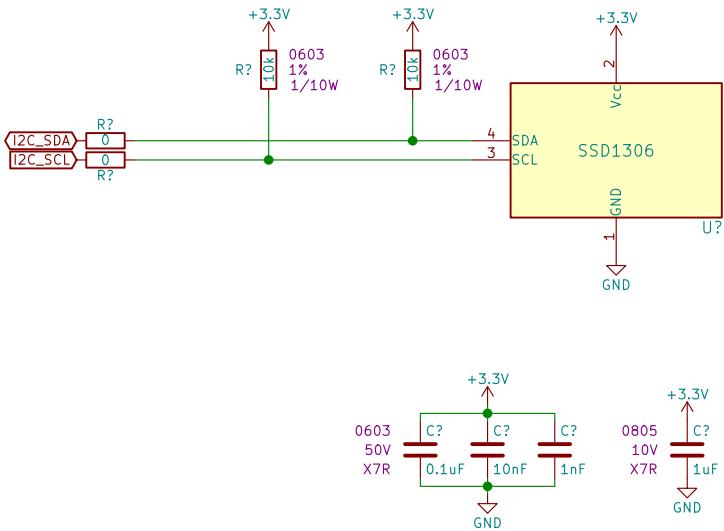
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USB UART Isolation



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Title:		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.0.0)		Id: 11/16

OLED Display



Mounting Holes and Mechanical Components



MK?
4-40 Standoff



MK?
4-40 Standoff



MK?
4-40 Standoff



MK?
4-40 Standoff



MK?
4-40 Standoff



MK?
4-40 Standoff



MK?
4-40 Standoff



MK?
4-40 Standoff



MK?
4-40 Screw



MK?
4-40 Screw



MK?
4-40 Screw



MK?
4-40 Screw



MK?
4-40 Screw



MK?
4-40 Screw



MK?
4-40 Screw



MK?
4-40 Screw

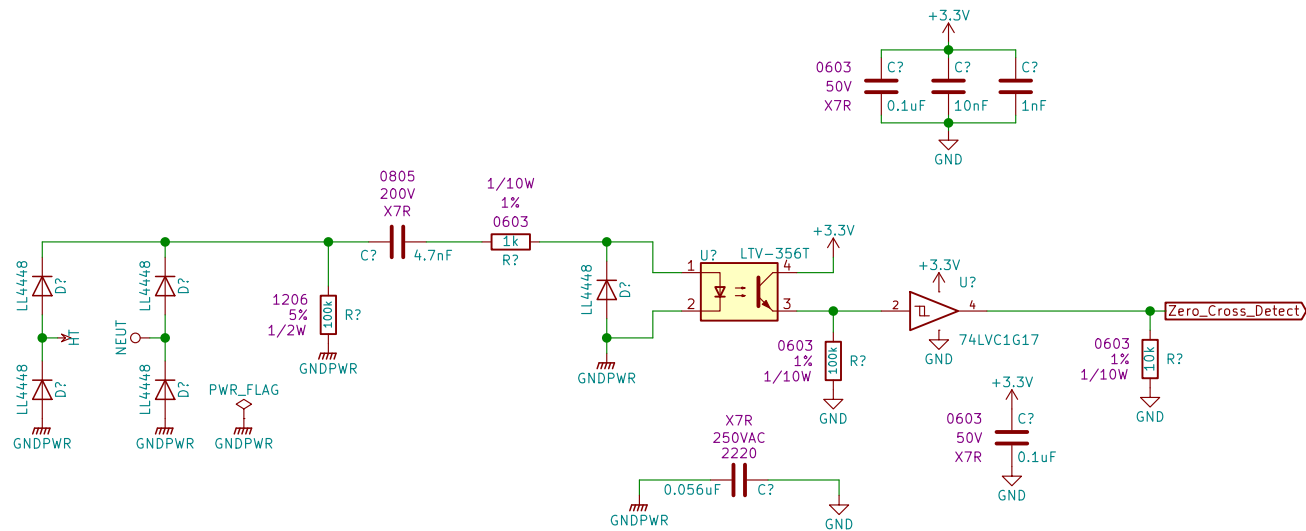
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KiCad E.D.A. kicad (5.0.0)

Rev: A
Id: 13/16

Input AC Zero-Cross Detection



Sheet: /Zero Cross Detect/
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Title:

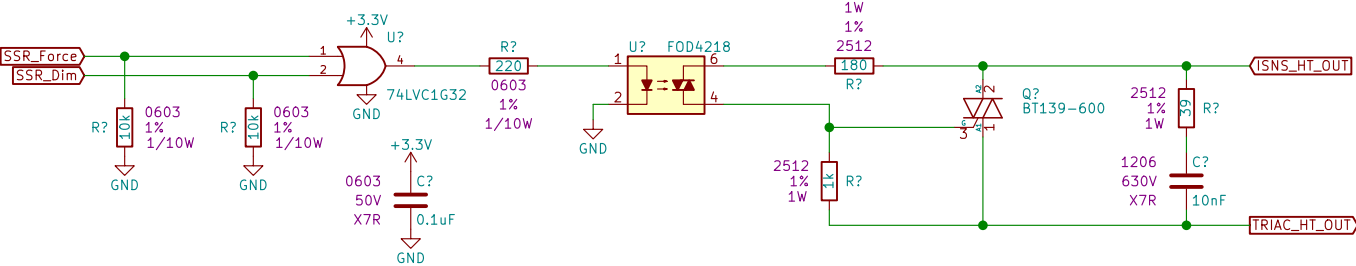
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Date:

Rev:

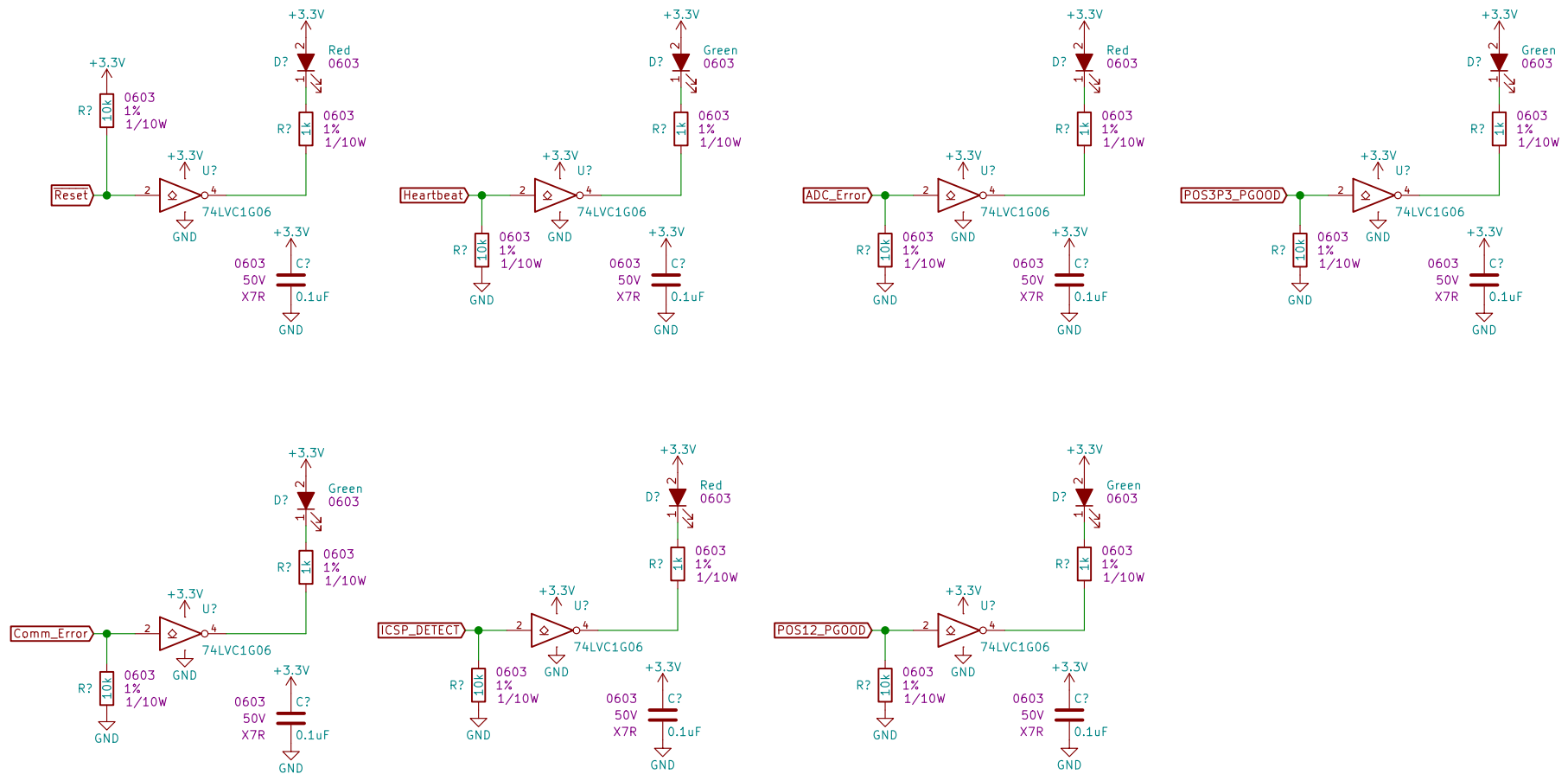
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Output AC Solid State Switch, Random Phase



Sheet: /Output Switch/ File: Output_Switch.sch		
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Size: A	Date:	Rev:
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Status LEDs



Sheet: /Status LEDs/ File: Status_LEDs.sch		
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