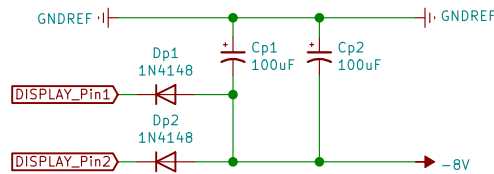
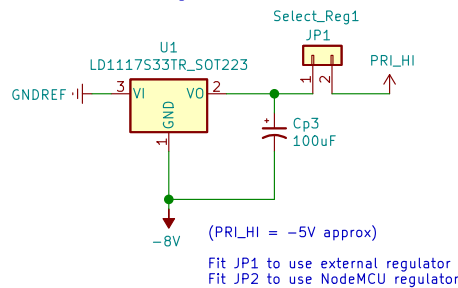


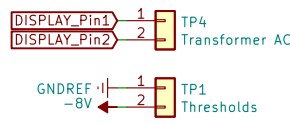
AC-DC Rectifier



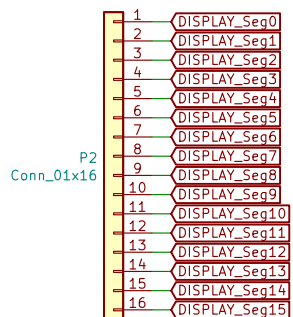
3V3 Regulator



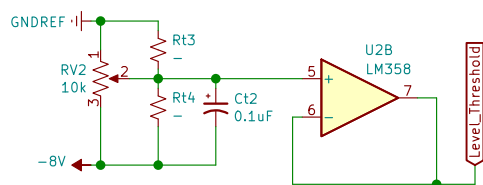
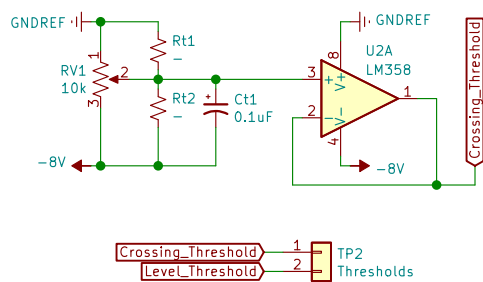
Power Header Pin



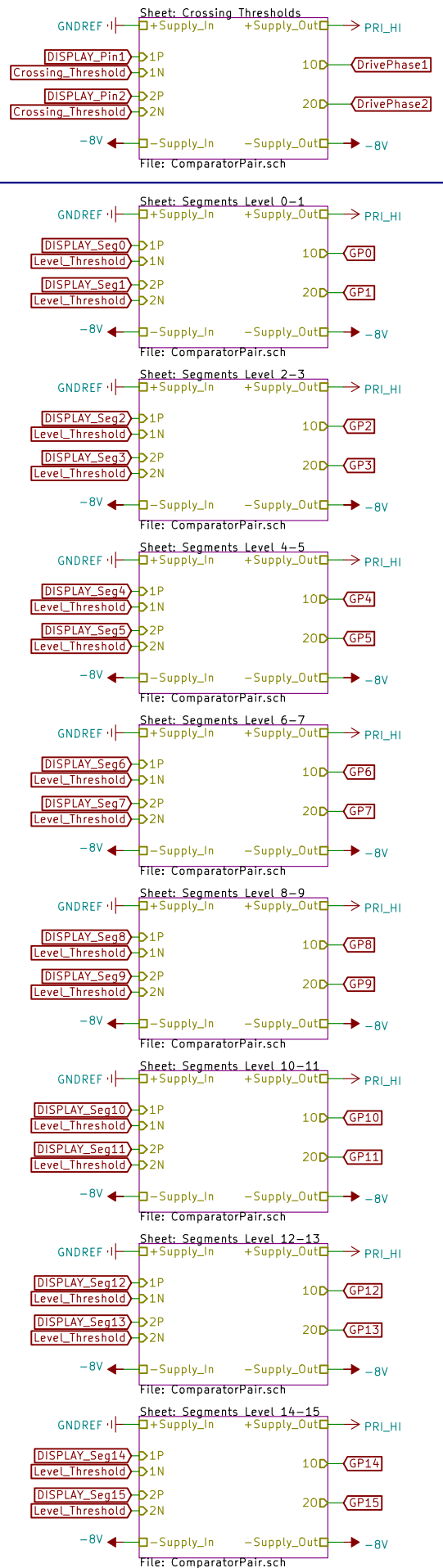
Display Header Pin



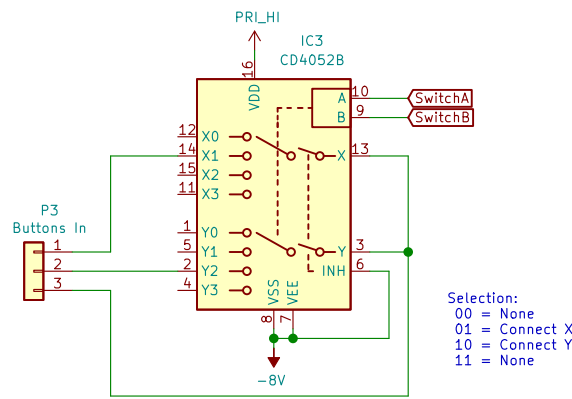
AC Threshold Converter



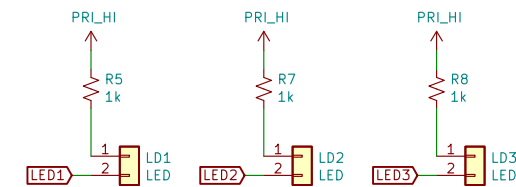
Level Comparator & Logic Optoisolator



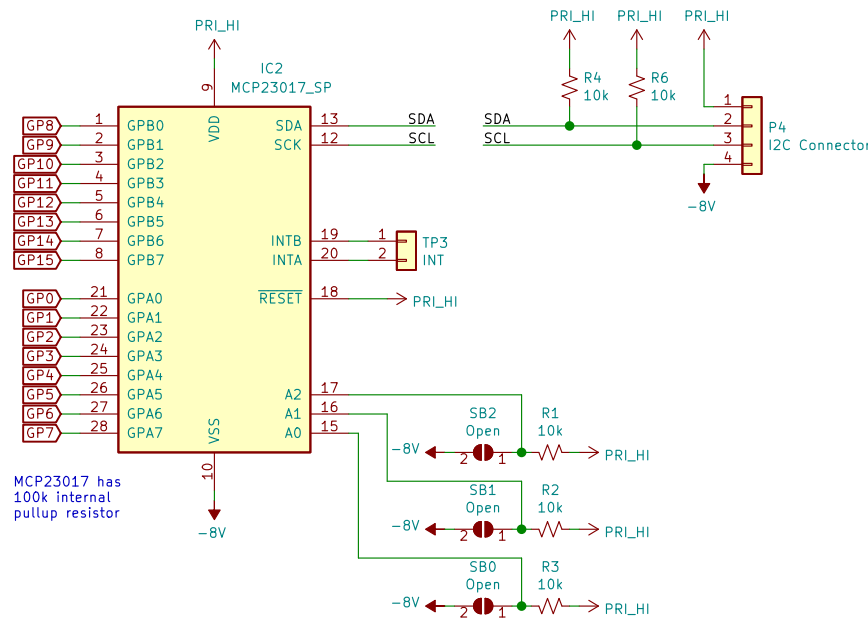
Analog Switch



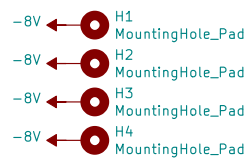
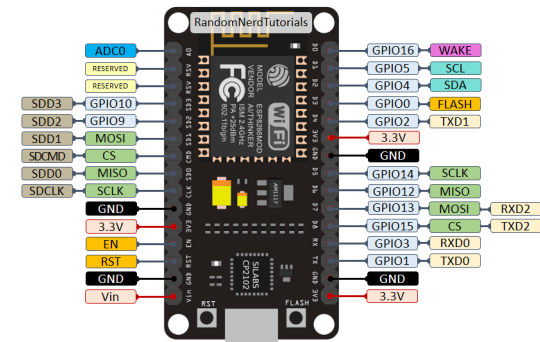
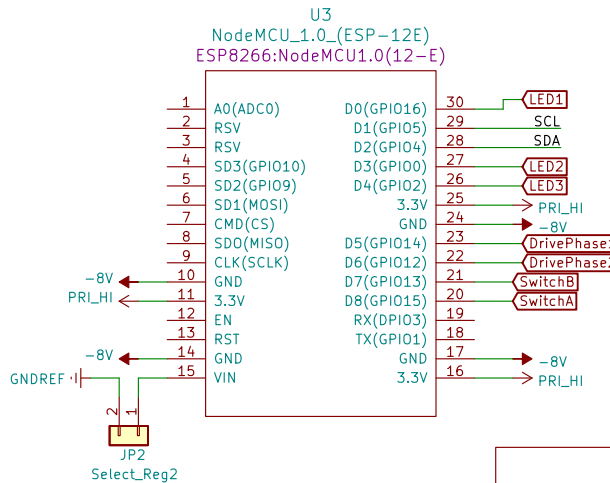
External LEDs



I2C I/O Port Expander

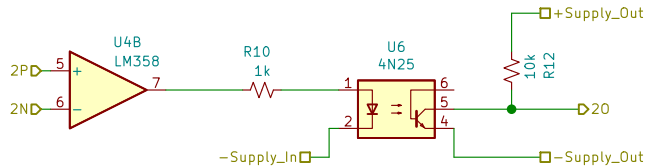
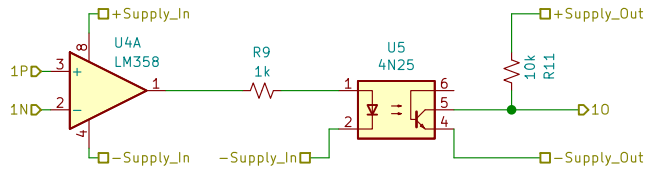


Microcontroller



Power Source Legend

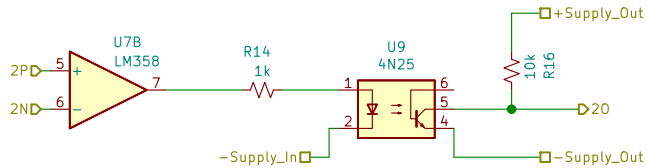
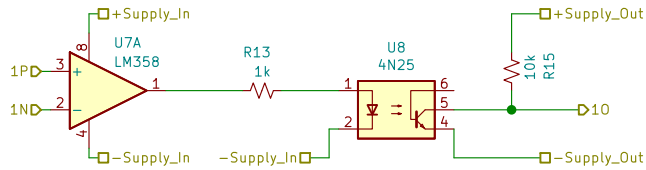
- PRL_HI ← 3V3 Voltage Regulator (sitting on -8Vdc as reference)
- 8V ← Transformer Rectified -8Vdc
- DISPLAY_Pin1 Transformer Half-wave Sine Phase 1
- DISPLAY_Pin2 Transformer Half-wave Sine Phase 2
- GNDREF Transformer Center Tap
- 8V ← Transformer Rectified -8Vdc



Sheet: /Segments Level 0-1/
 File: ComparatorPair.sch

Title:

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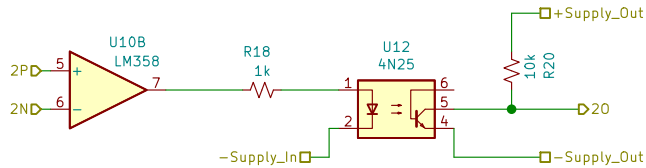
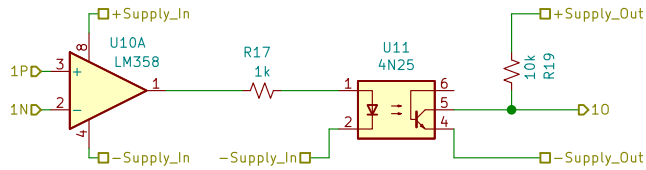


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Rev:
Id: 3/10



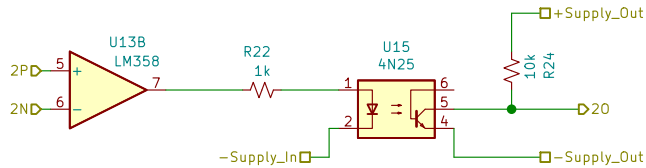
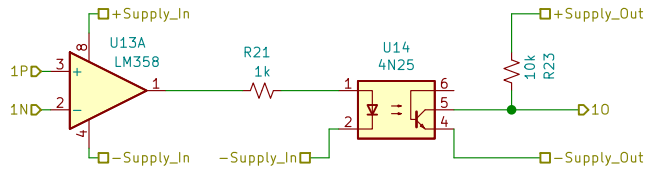
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Rev:
 Id: 4/10

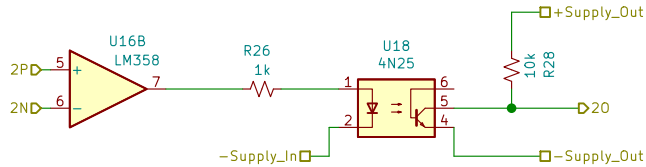
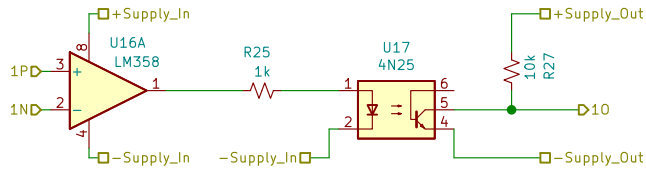


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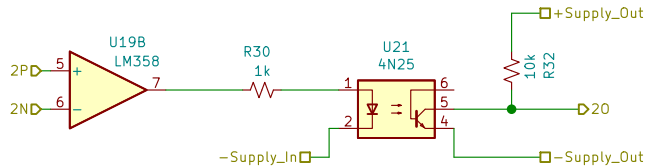
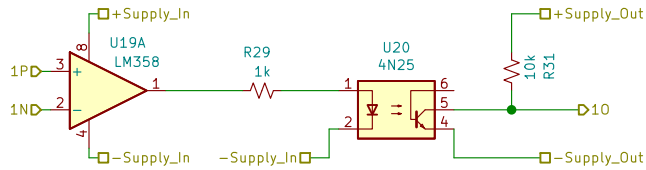
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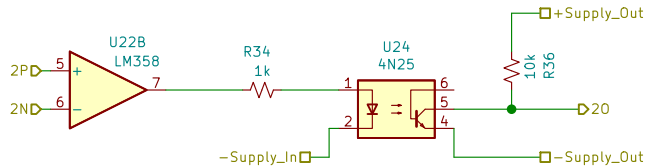
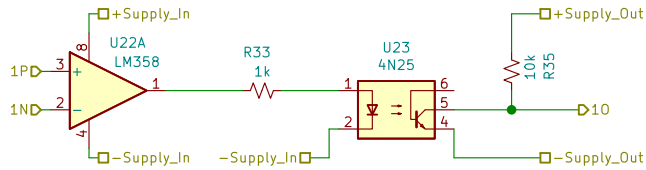


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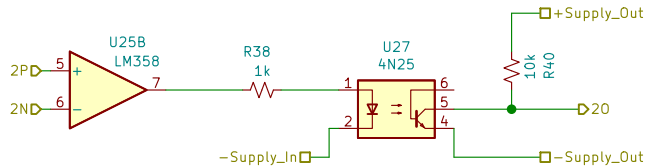
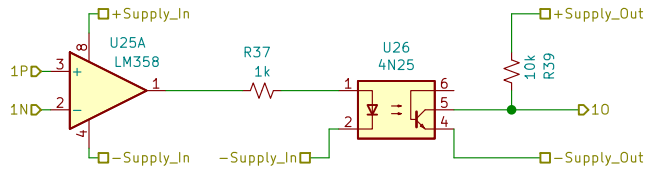


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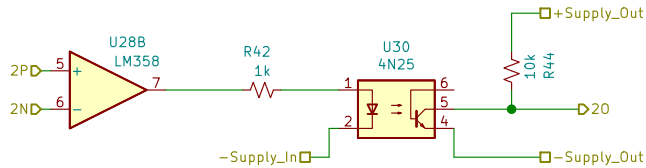
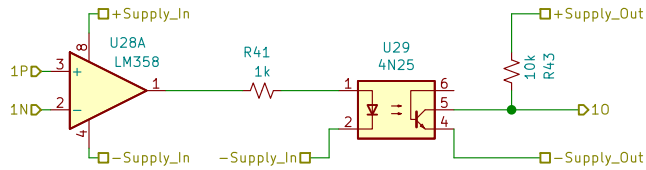


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Sheet: /Segments Level 14-15/
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