

Control unit  
 - The CPU can work half the speed of the oscillator by configuring the jumper  
 - Executes one instruction every two clock cycles  
 - All 74LS chips can be replaced with 74HC series

**John Oshiro**

Sheet: /Control Unit/  
 File: Control Unit.kicad\_sch

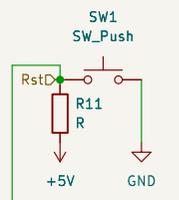
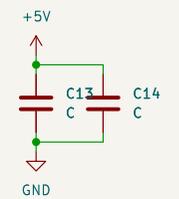
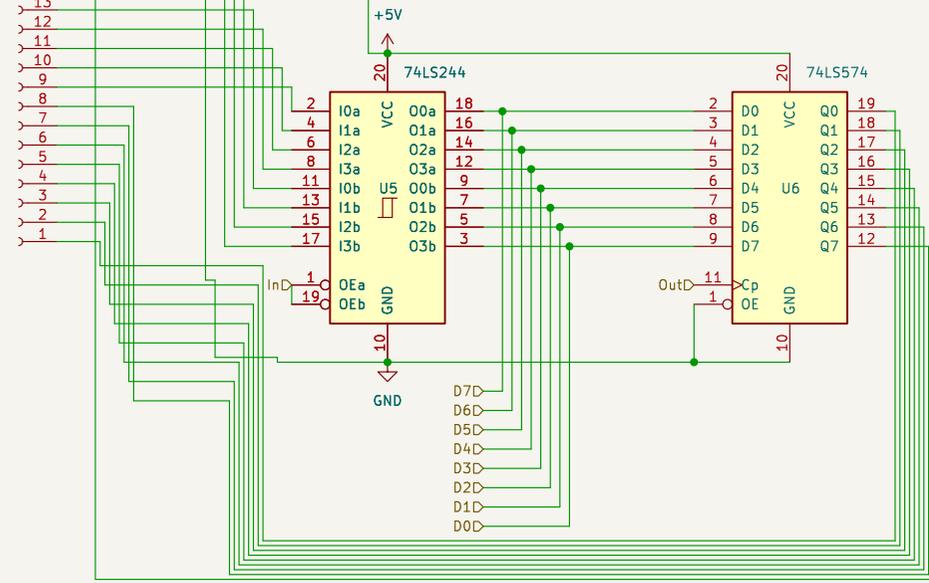
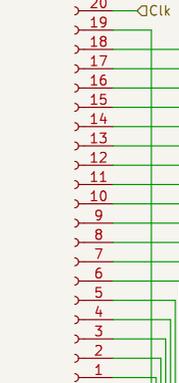
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**Rev: Release**  
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J1  
Conn\_01x20\_Female



Input output  
 - Won't replicate the arduino but it's something  
 - Contains the IO and control pins  
 - All 74LS chips can be replaced with 74HC series

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Sheet: /Input output/  
 File: Input output.kicad\_sch

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Size: A4	Date: 2022-05-03	Rev: Release
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