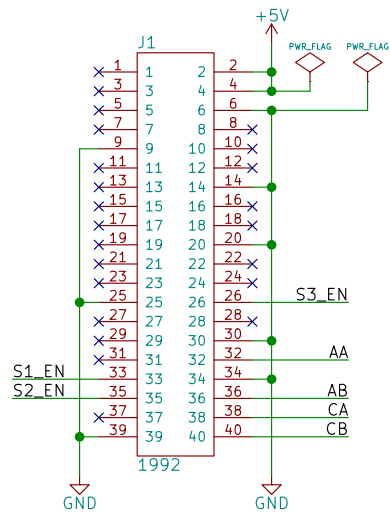
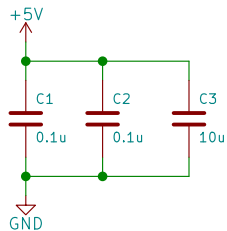


# PCB Connections

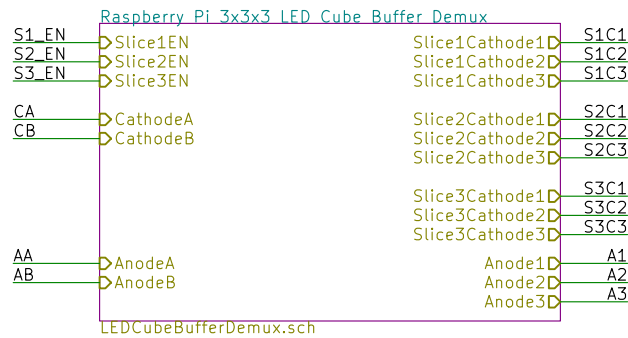
## Raspberry Pi Connector



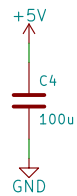
Decoupling Capacitors  
place near +5V  
connector pins



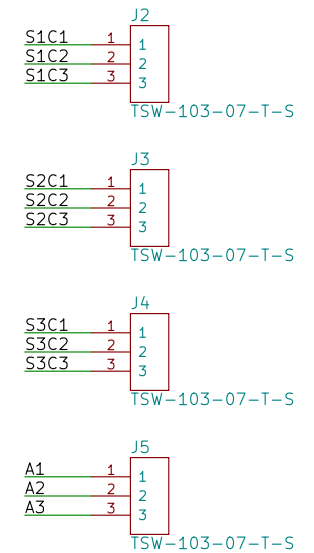
## Demux and Buffer Circuits



Bulk Capacitance  
placement  
not critical



## LED Connectors



PCB Designer: Donovan Squires  
System Designer: Alan Irwin  
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Sheet: /  
File: KiCadDemo.sch

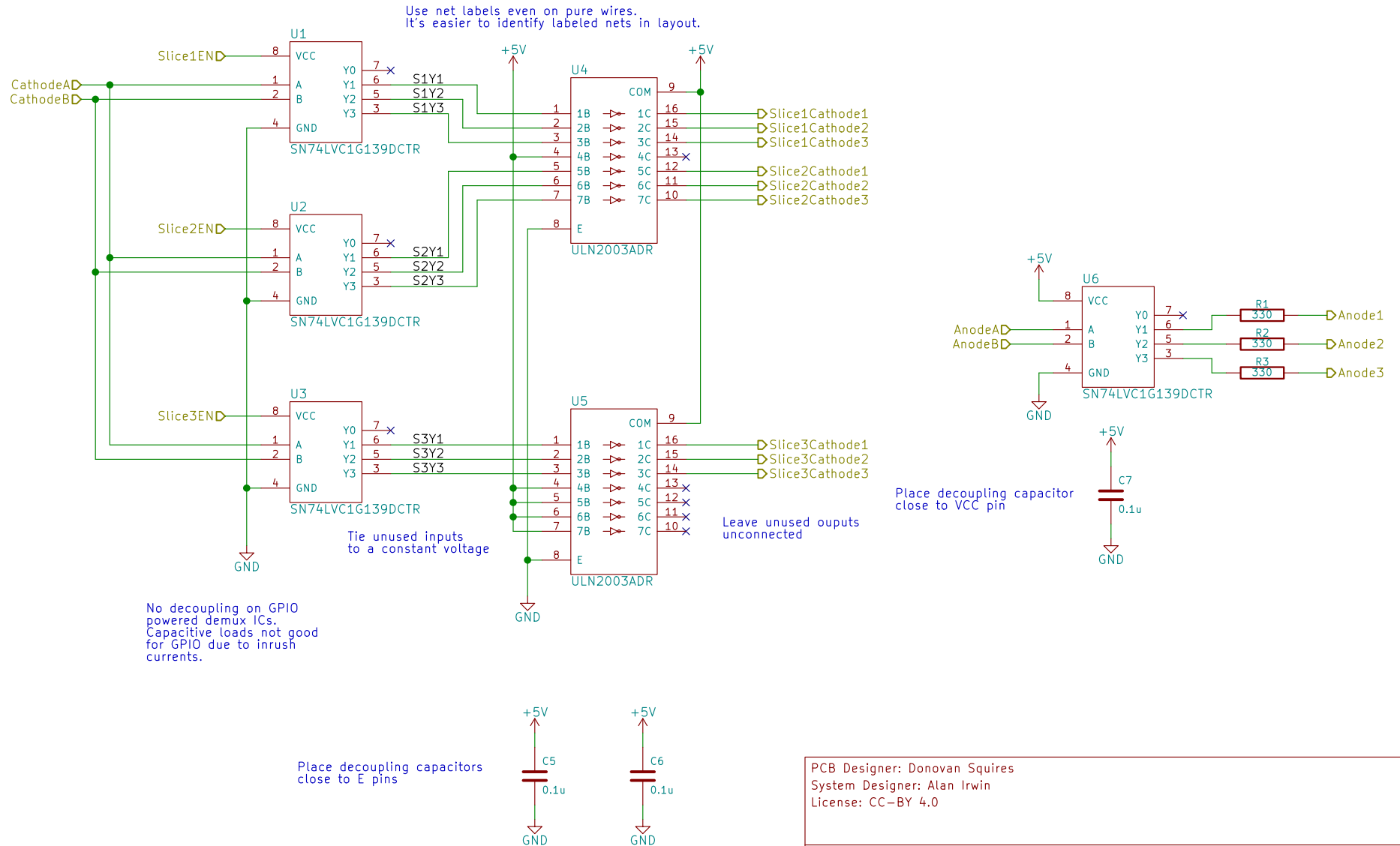
**Title: Raspberry Pi 3x3 LED Cube Shield, Main PCB**

Size: USLetter Date: Tuesday, March 17, 2015

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Rev: -  
Id: 1/2

# Demux and Buffer Circuits



PCB Designer: Donovan Squires  
System Designer: Alan Irwin  
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Sheet: /Raspberry Pi 3x3x3 LED Cube Buffer Demux/  
File: LEDCubeBufferDemux.sch

**Title: Raspberry Pi 3x3x3 LED Cube Shield, Main PCB**

Size: USLetter Date: Tuesday, March 17, 2015  
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Rev: -  
Id: 2/2