

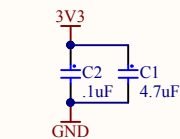
STDOFF1  
STDOFF - 4-40-1"  
STDOFF2  
STDOFF - 4-40-1"

SCREW1  
4-40x1/4  
SCREW2  
4-40x1/4

U\_logi-edu  
logi-edu.SchDoc

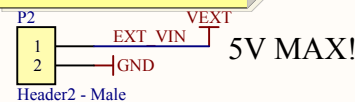
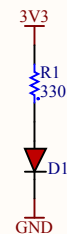
Logo3  
L6 LOGI-LOGO  
V1 LOGI-LOGO-300  
LOGO2

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Revision: R1.0	Sheet: 1 of 2
Date: 1/22/2015	Engineer: M.Jones

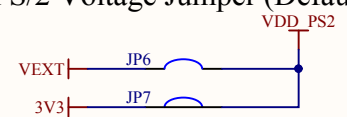


PS/2 Power VDD connect options:

- Standard PS/2 Runs at 5V and will need to be jumpered from the Logi-Pi 5V Connector
- Later PS/2 peripherals run at 3V. This is the default voltage to the PS/2. Make sure the jumper is set correctly

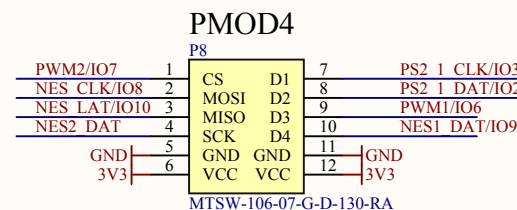
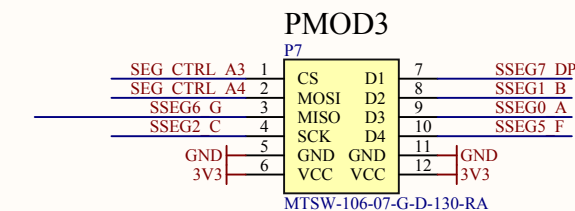
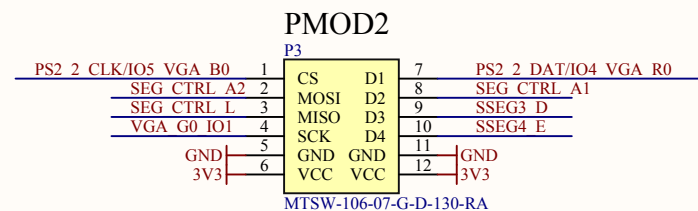
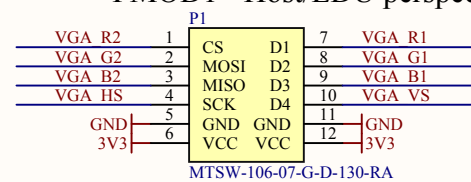


### PS/2 Voltage Jumper (Default 3V3)

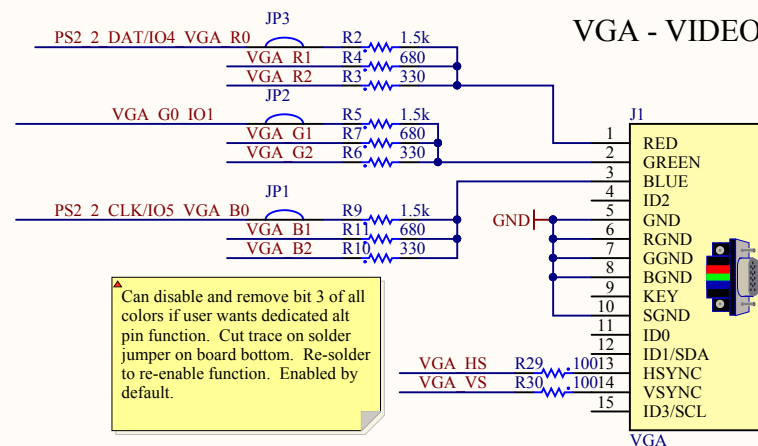
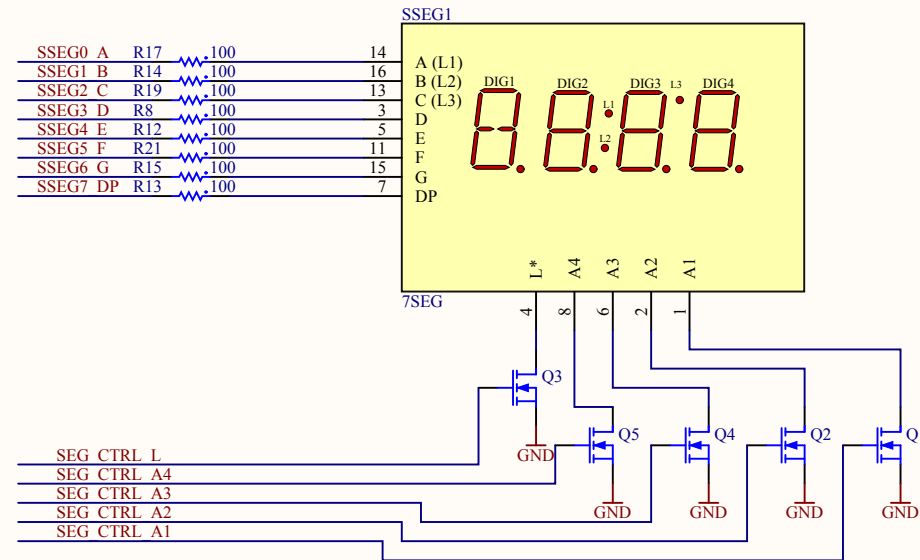


▲ If you PS/2 does not operate at 3V3 you can use this solder jumper to access the 5V rail (5V external source needs to be connected to P2).

**YOU MUST CUT THE JP6 SOLDER TRACE OR YOU WILL SHORT THE 3V3 AND 5V RAIL.**

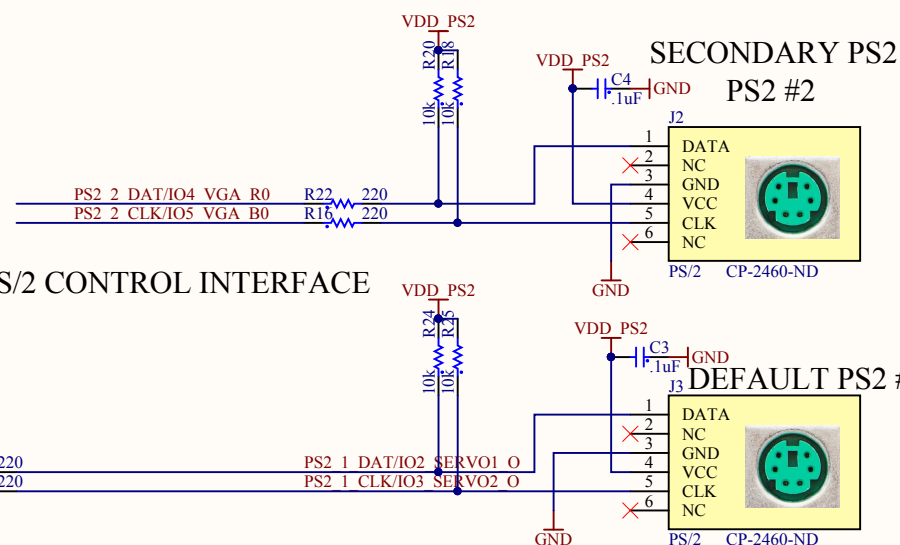


## SEVEN SEGMENT DISPLAY - 4 CHARACTERS



Can disable and remove bit 3 of all colors if user wants dedicated alt pin function. Cut trace on solder jumper on board bottom. Re-solder to re-enable function. Enabled by default.

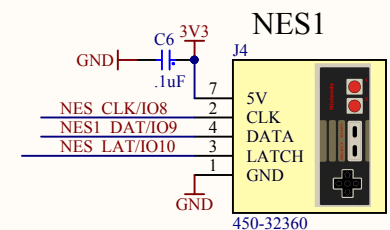
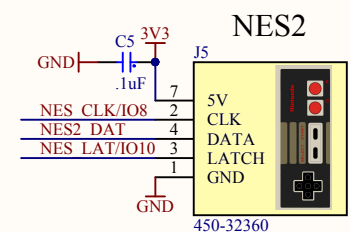
## VGA - VIDEO OUTPUT



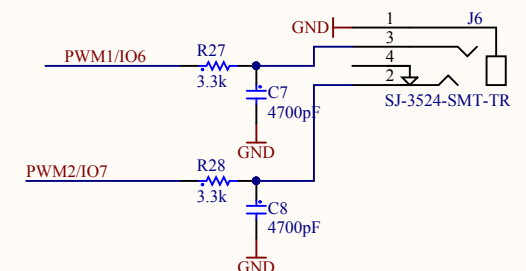
▲ For a guide on Delta Sigma See  
Xilinx xapp154.pdf

Hamsters guide:  
[http://hamsterworks.co.nz/media/wiki/index.php/Module\\_13](http://hamsterworks.co.nz/media/wiki/index.php/Module_13)

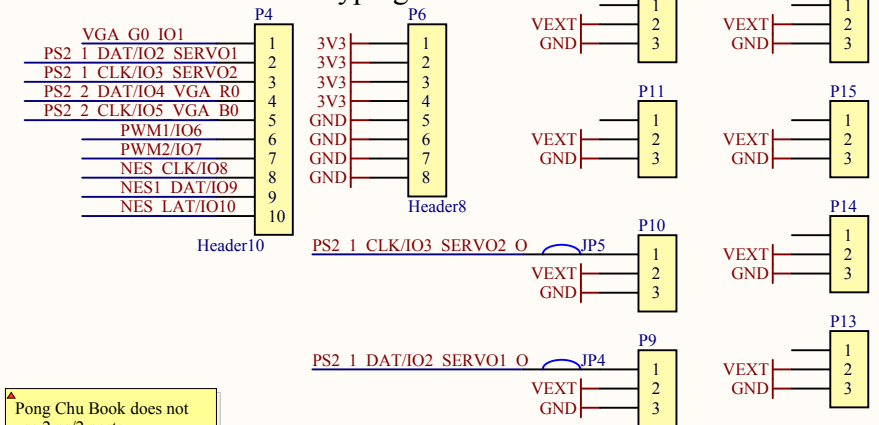
## NINTENDO CONTROLLER INTERFACE



## PWM/SIGMA DELTA AUDIO OUTPUT



## Breadboard Prototyping Area



▲ Pong Chu Book does not use 2 ps/2 ports simultaneously. These PS/pins will be optionally used as 3rd bits of RGB(3,3,3)colors. User can optionally use this port and only use RGB (2,3,2) to run simultaneously the solder jumper short will need to be cut.



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