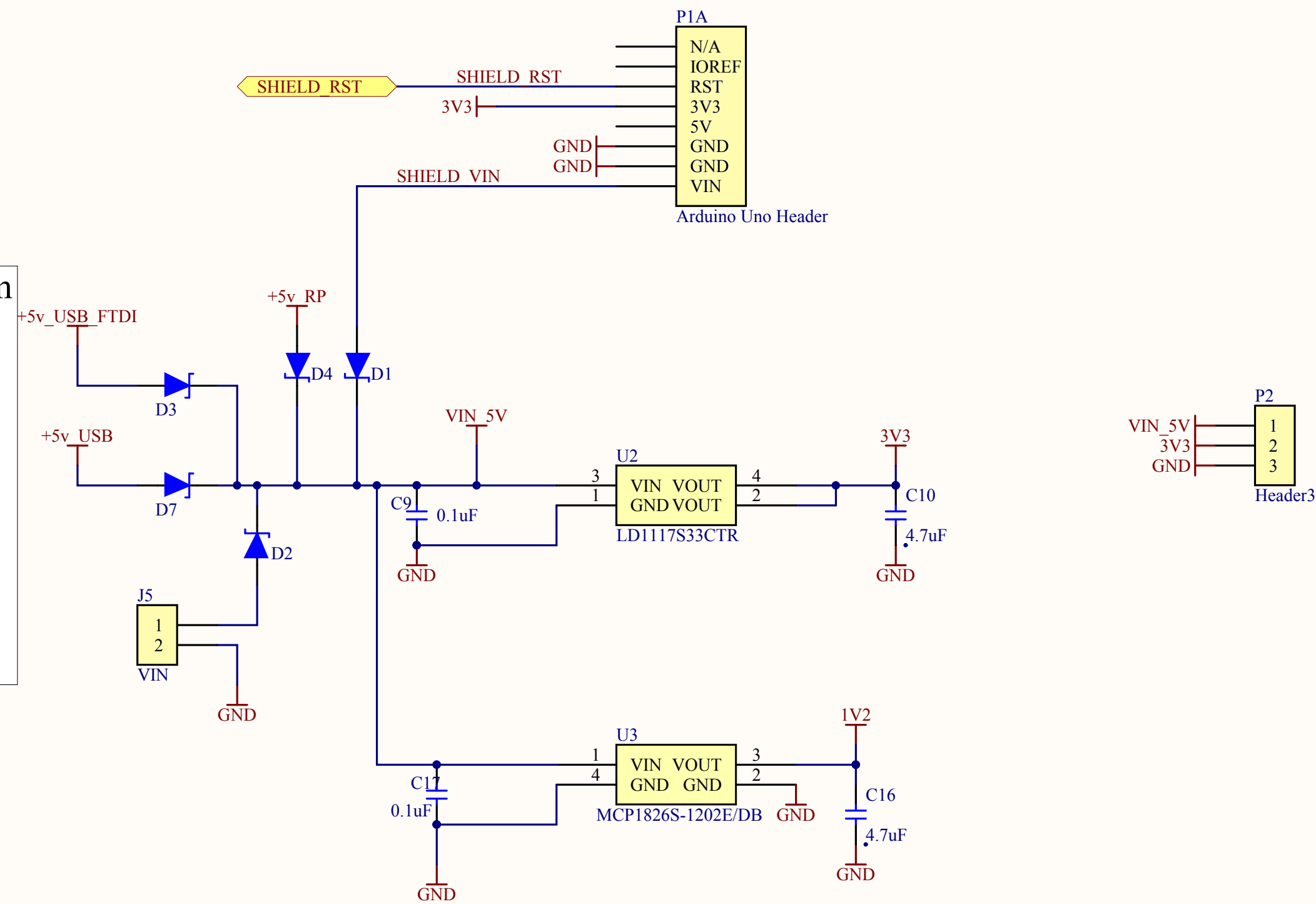
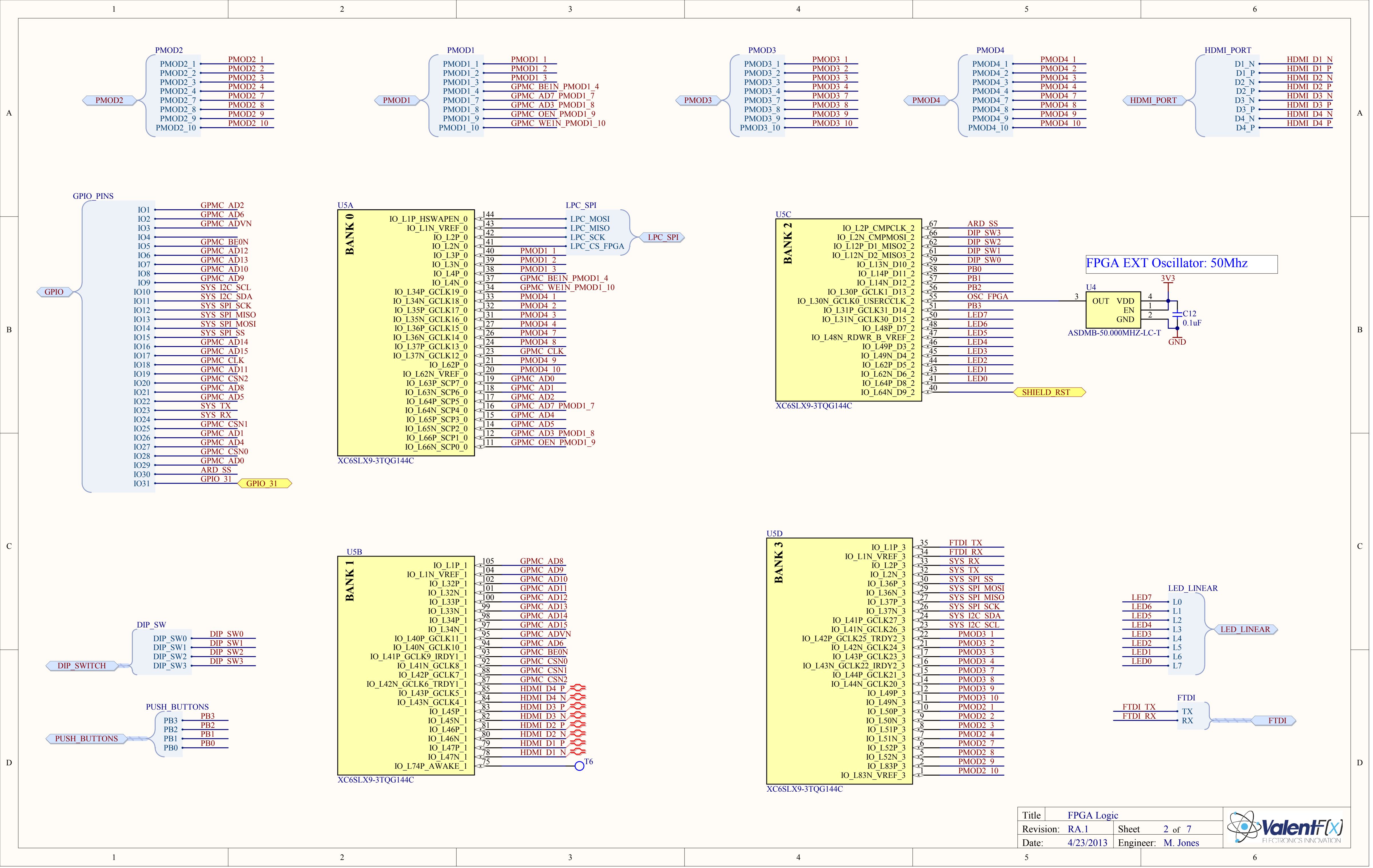


**Power:** The LOGi-MARK-1 can be powered from a number of external sources including:

- 1.) Power Terminal (screw terminal) Not populated by default to reduce cost. (5V External Supply)
- 2.) MCU USB connector (5V Supply)
- 3.) FTDI USB connector (5V Supply)
- 4.) Arduino Master device (5V Supply)
- 5.) Raspberry Pi (5V supply)





A

B

C

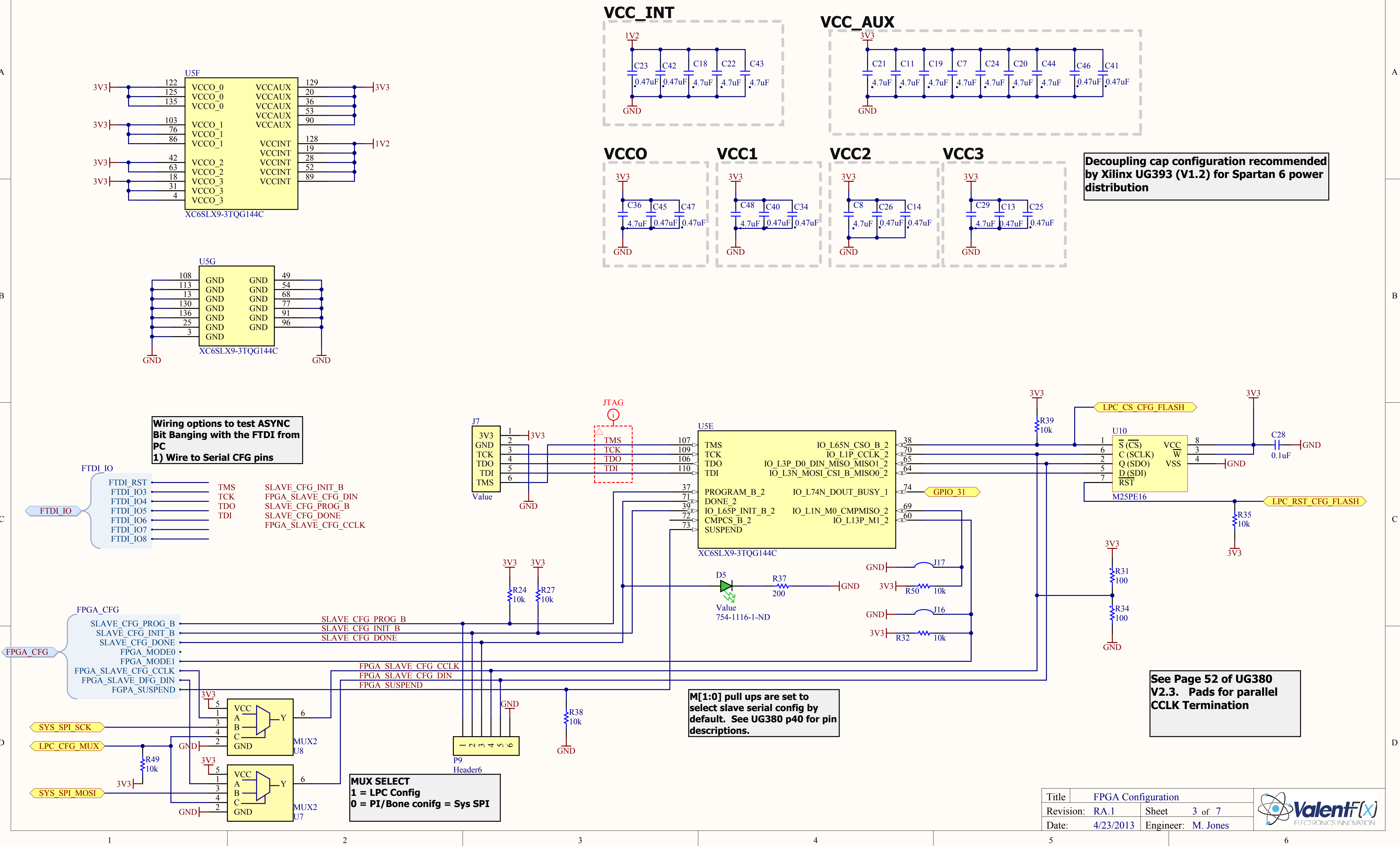
D

A

B

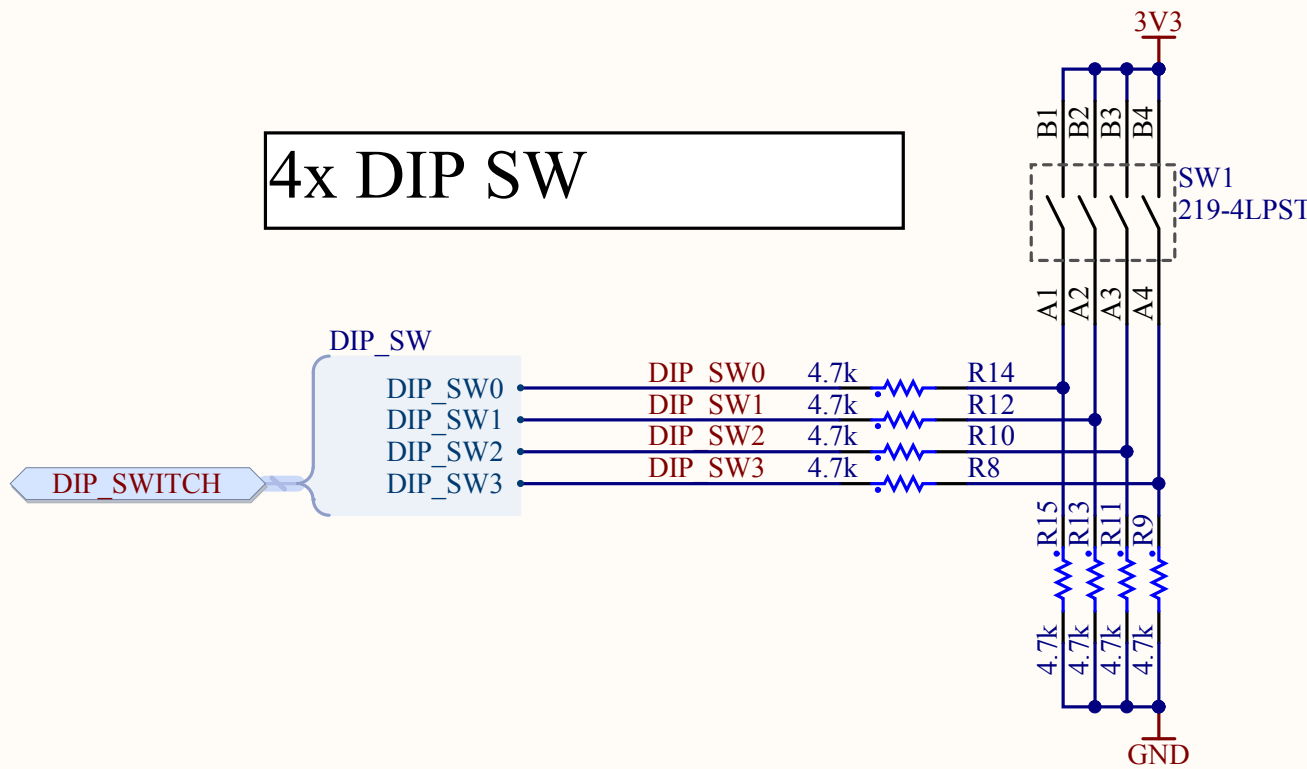
C

D

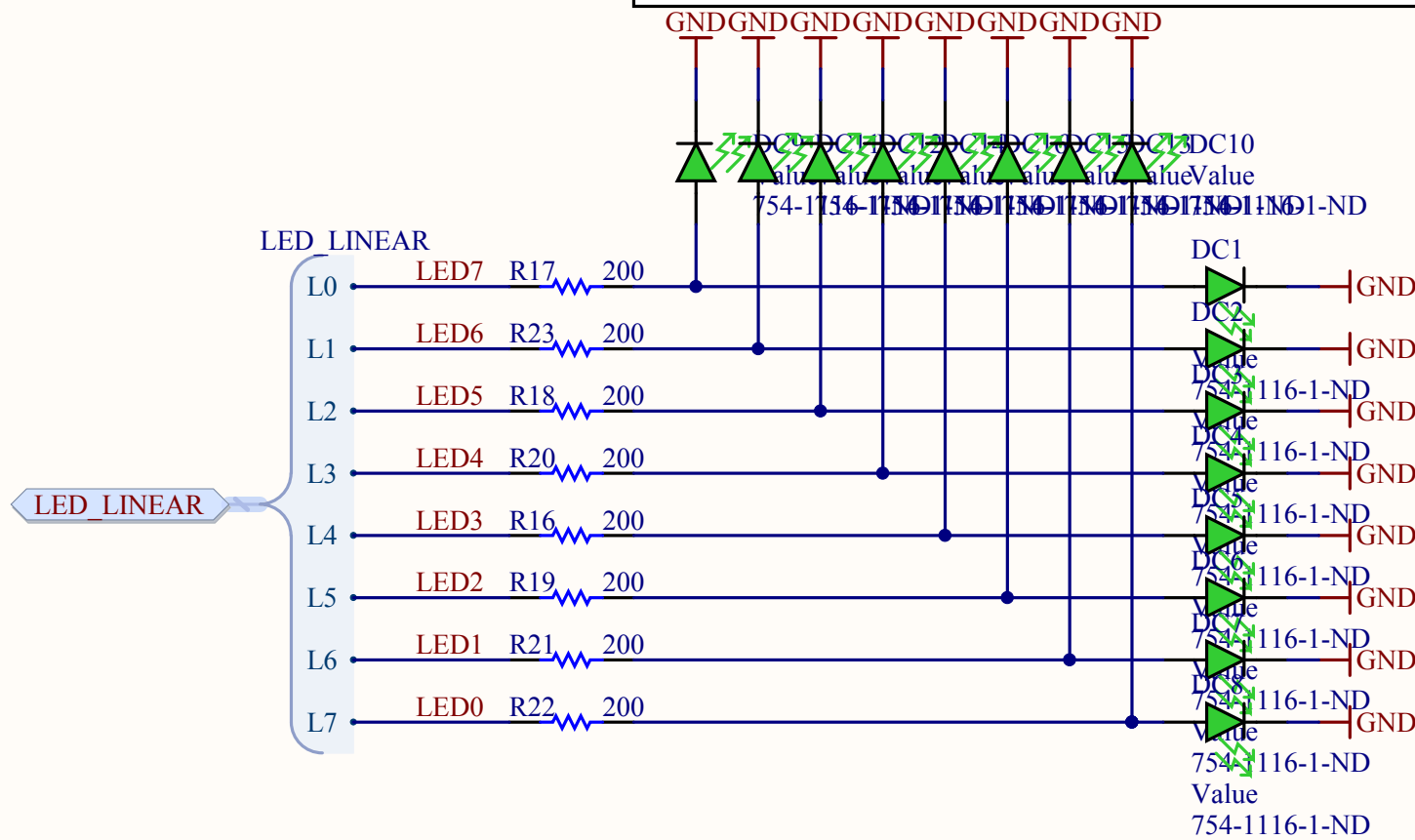




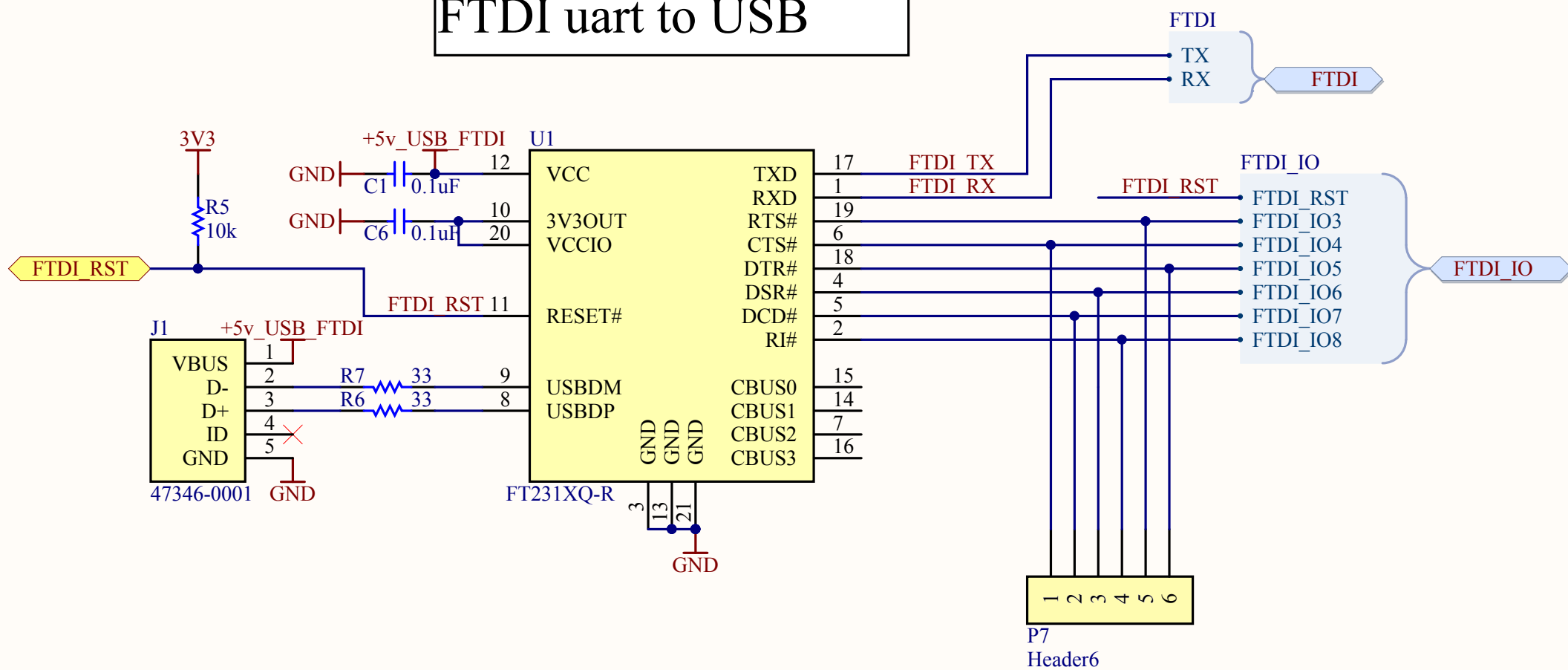
4x DIP SW



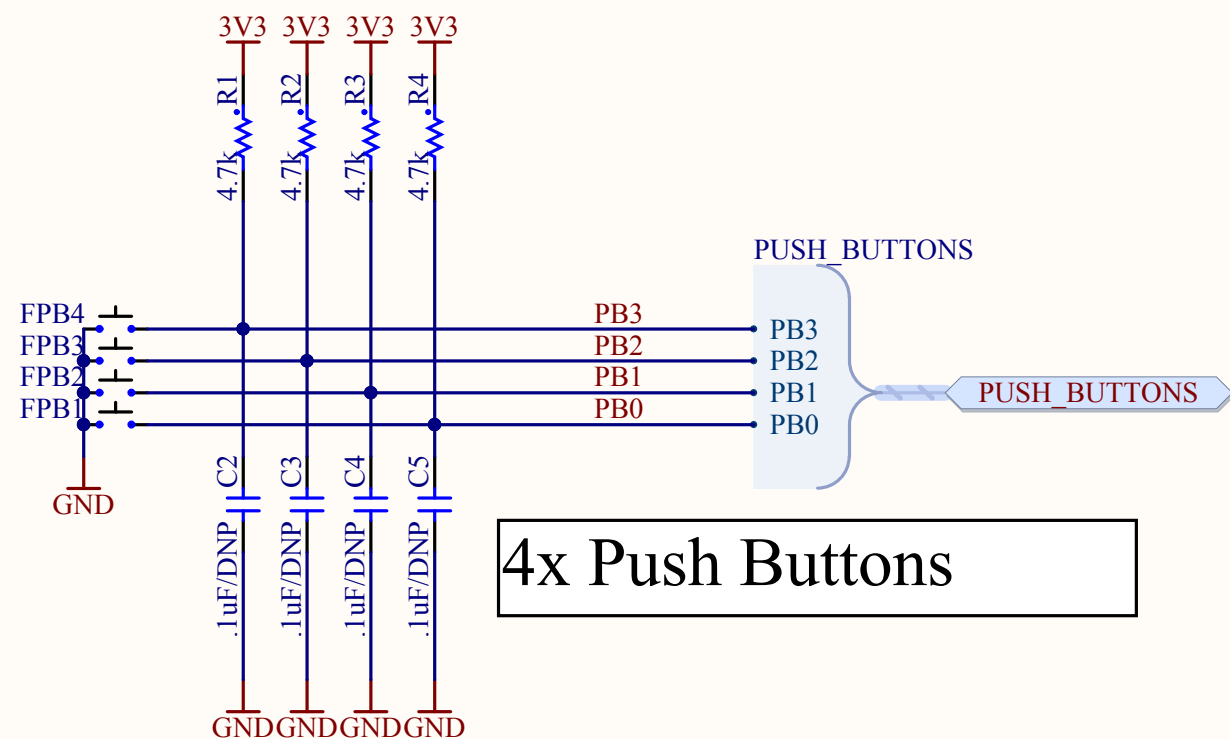
8 x Linear or Circular LED



FTDI uart to USB



4x Push Buttons



Title: Digital IO

Revision: RA.1

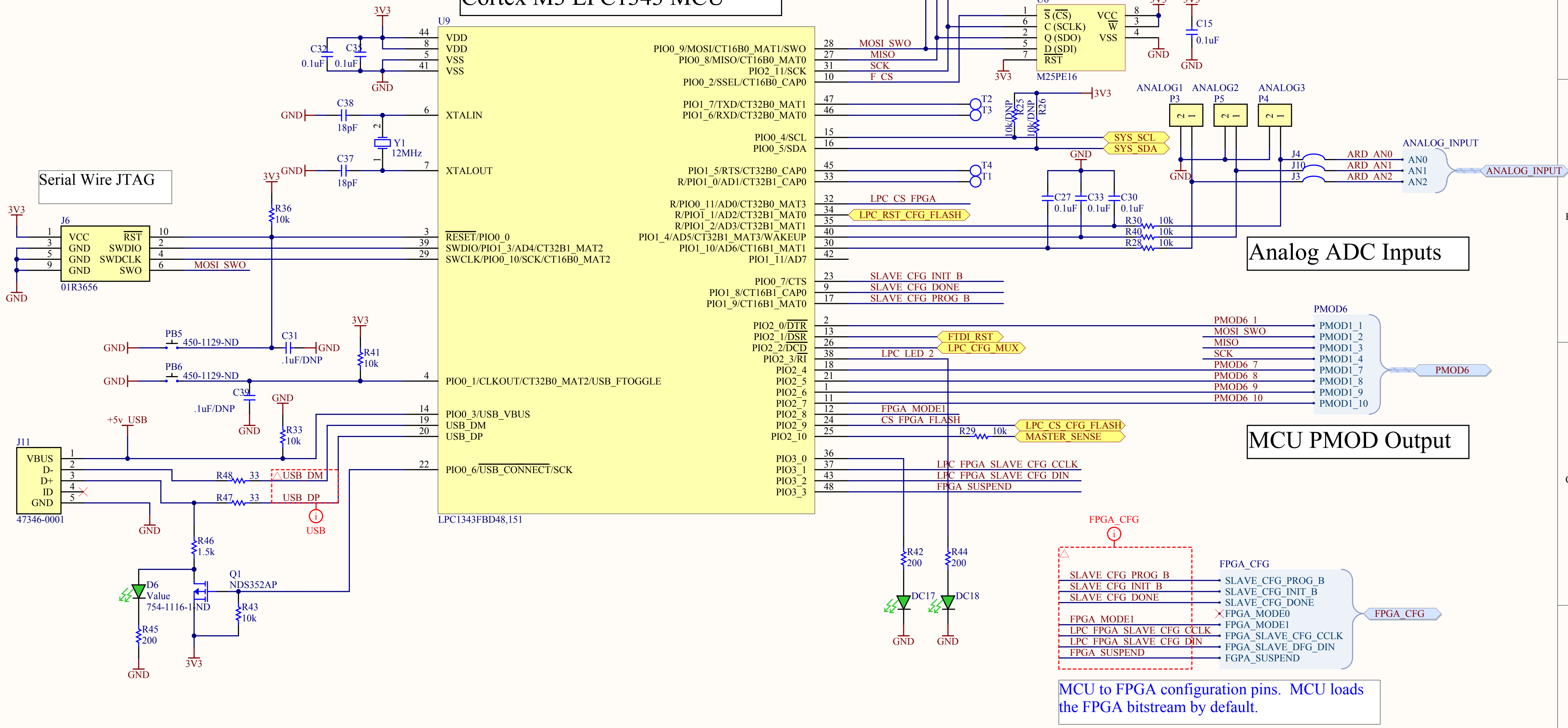
Sheet: 4 of 7

Date: 4/23/2013

Engineer: M. Jones

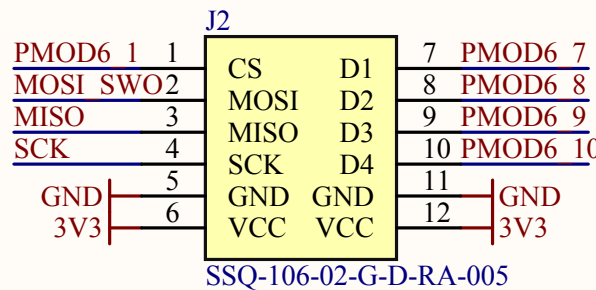
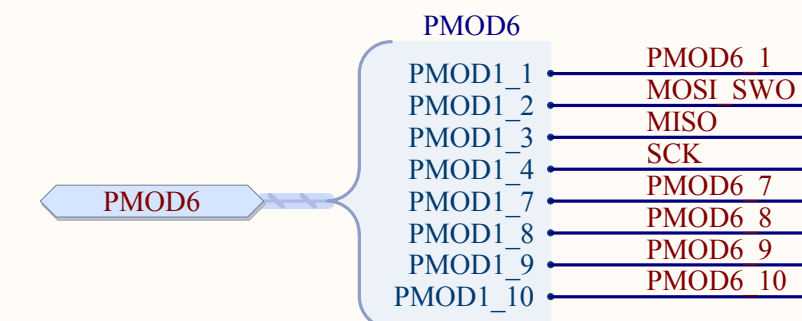
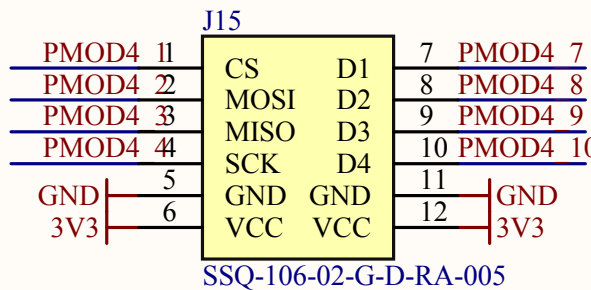
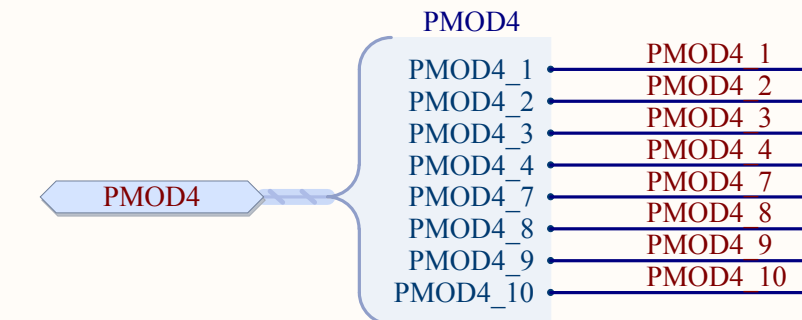
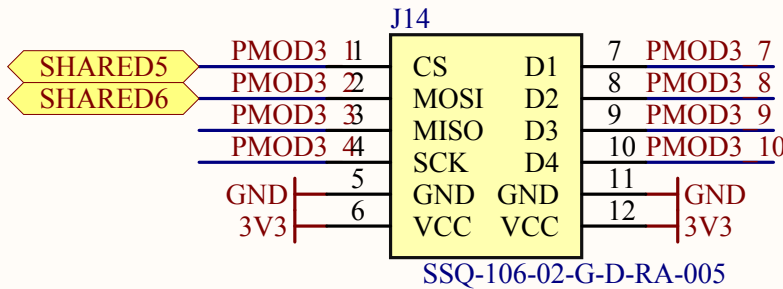
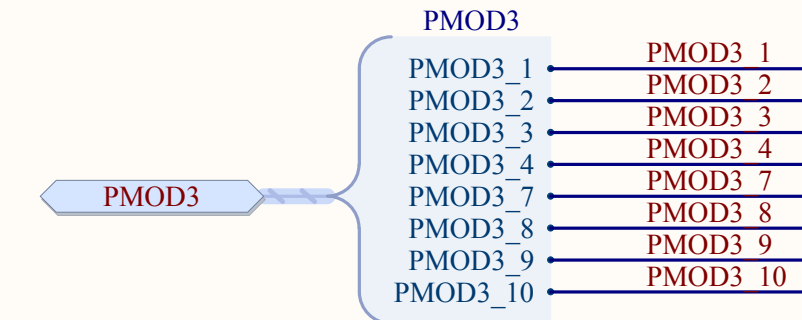
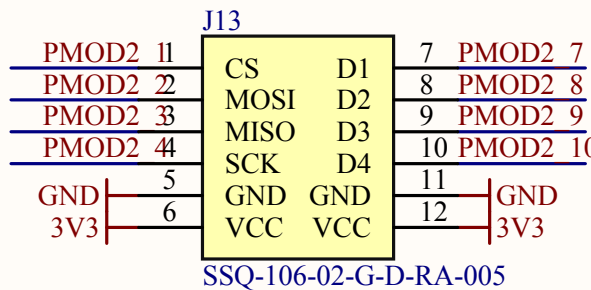
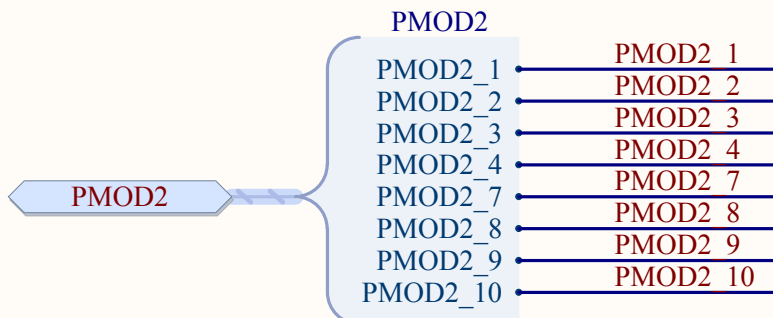
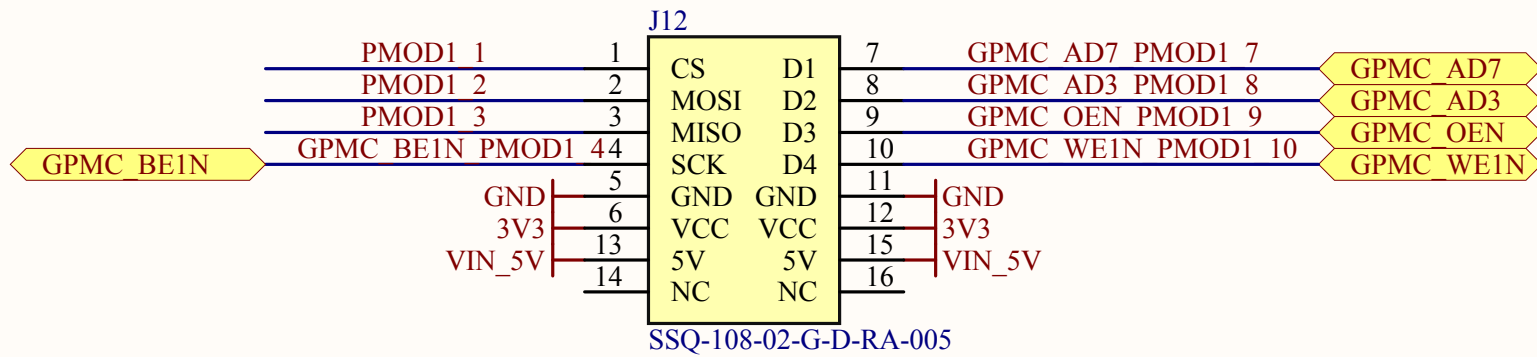
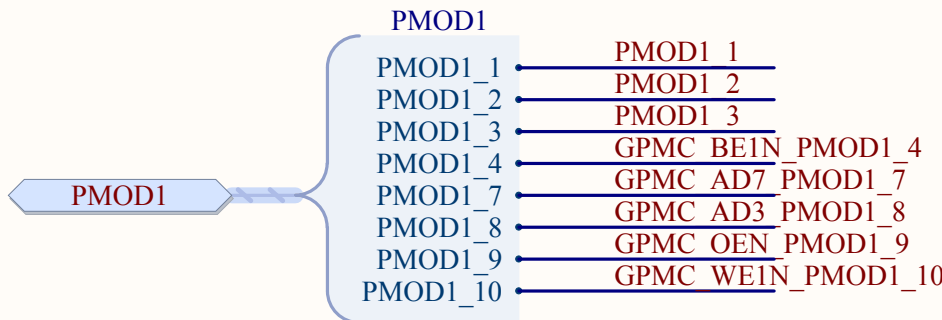


Cortex M3 LPC1343 MCU

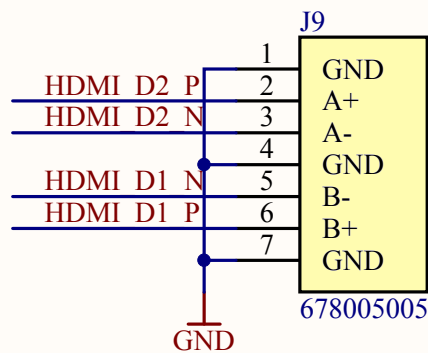
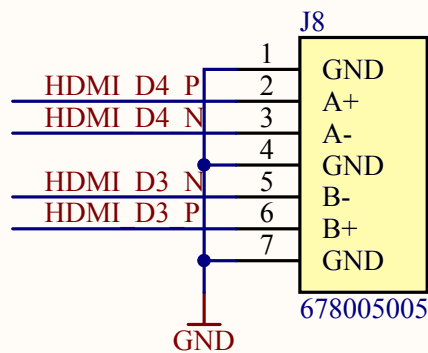
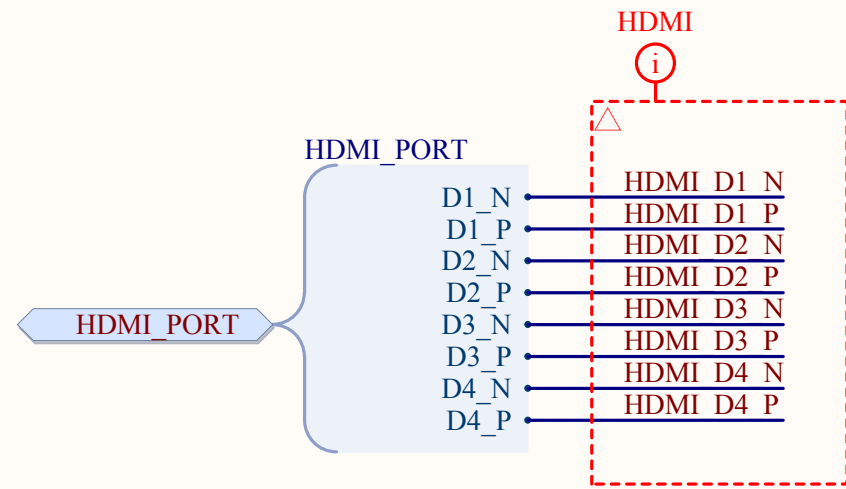


MCU to FPGA configuration pins. MCU loads the FPGA bitstream by default.

Digilent PMOD Headers

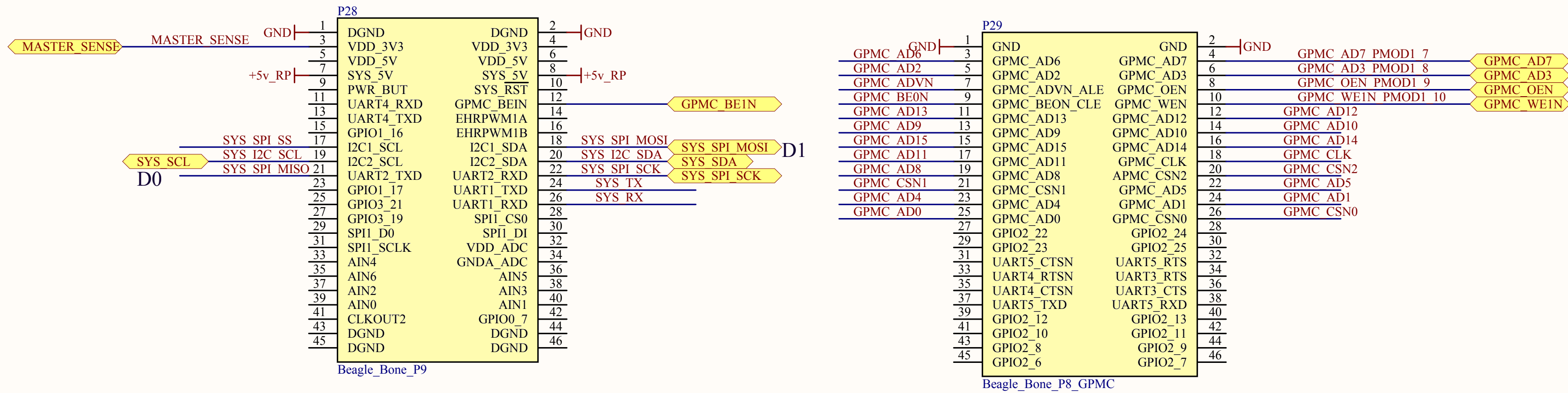


SATA Headers

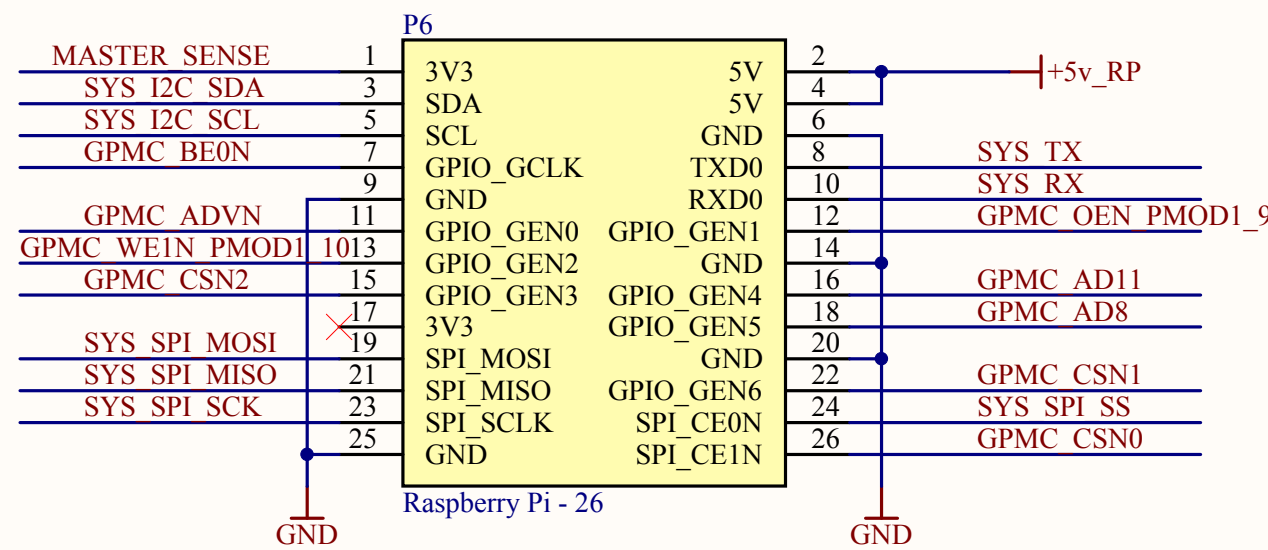




## Beaglebone Headers

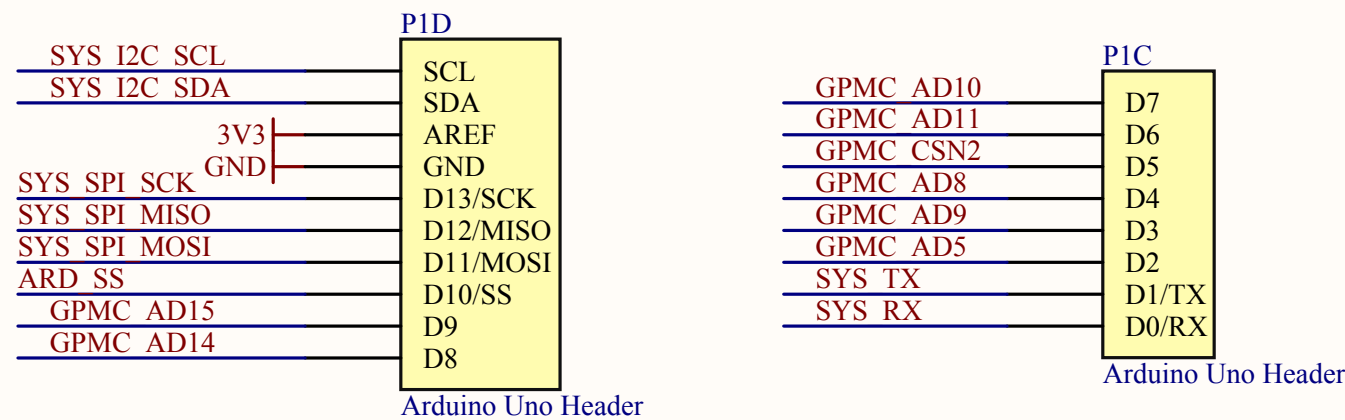


## Raspberry Pi Header



## Arduino Header

Arduino will have separate CS



Raspberry Pi Header: The header allows for direct connection and powering from the Raspberry Pi. The header is stackable so that more RP Shields can be stacked on top. Optionally Arduino shields and PMODs can be used for further expansion and adding more functionality to RP

