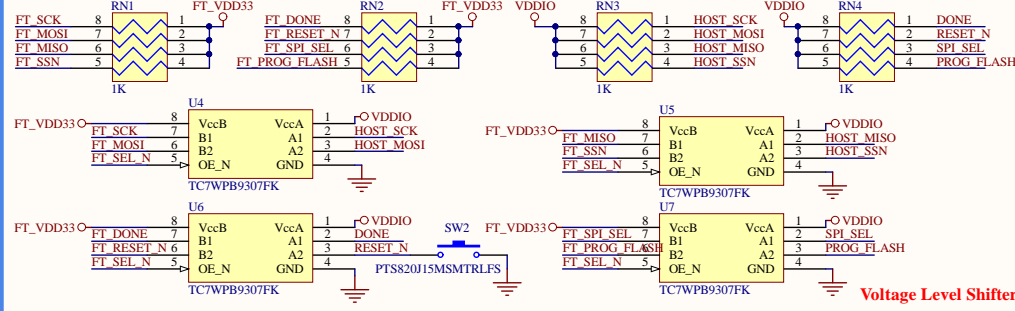
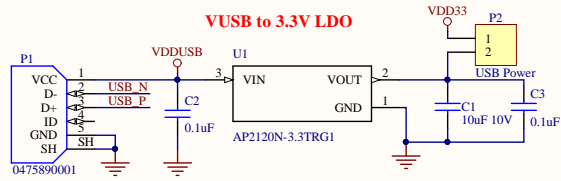


Note:
FTDI power should be able to be isolated from the rest of the board to allow battery powered operation

Layout note: OK to reassign pullups depending on layout

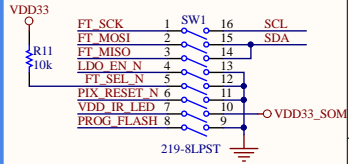
USB to 3.3V LDO



Layout note: OK to reassign pullups depending on layout

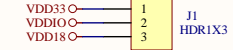
Switches:
- Close 1/2/3 to use FT232 in I2C mode
- Open 5 to isolate FTDI from SoM

Layout note: OK to reassign switches depending on layout

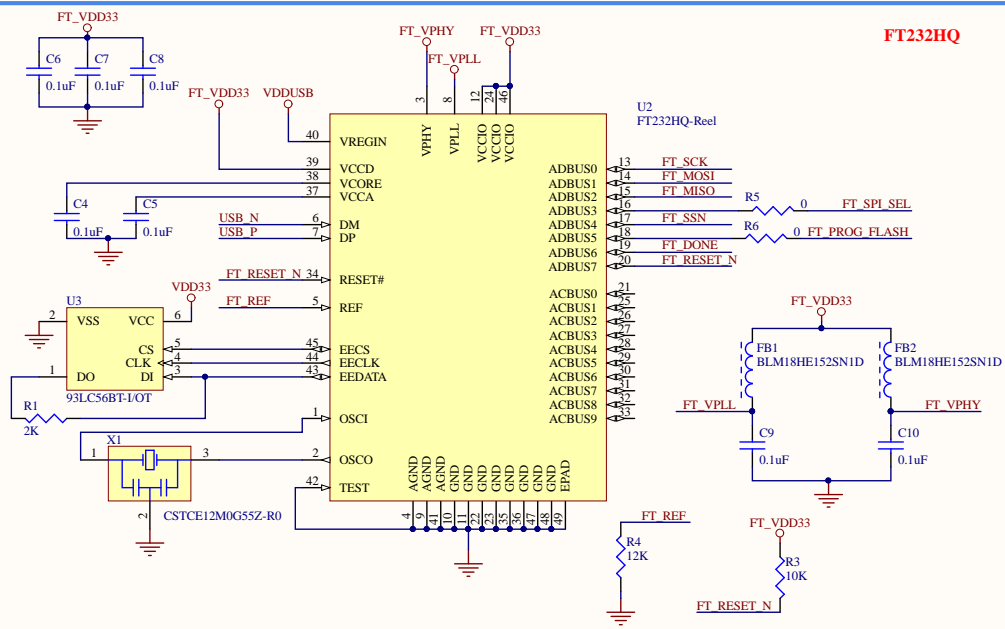


Voltage Level Shifter

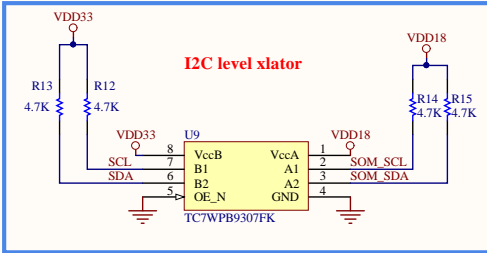
I/O voltage selection



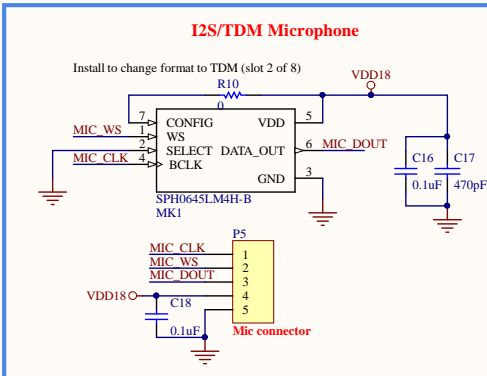
FT232HQ



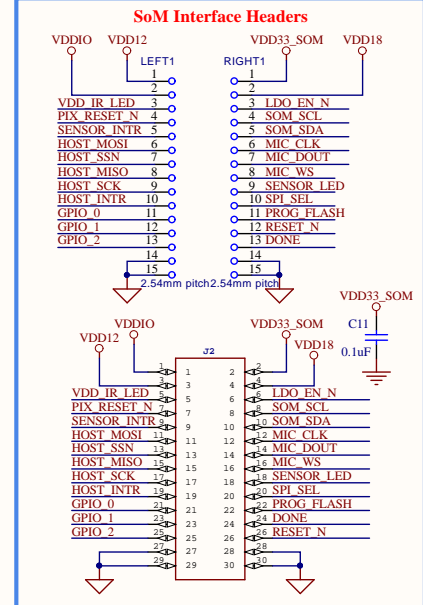
I2C level xlator



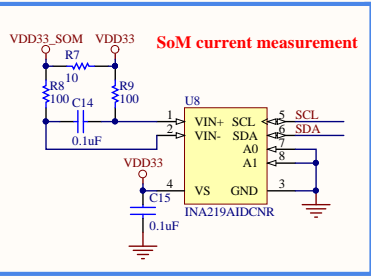
I2S/TDM Microphone



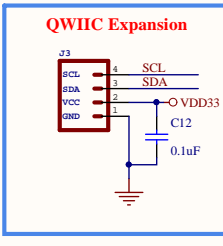
SoM Interface Headers



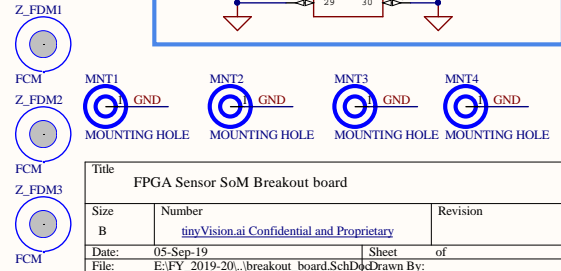
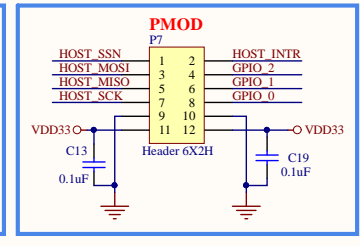
SoM current measurement



QWIC Expansion



PMOD



Title		
FPGA Sensor SoM Breakout board		
Size	Number	Revision
B	tinyVision.ai Confidential and Proprietary	
Date:	05-Sep-19	Sheet of
File:	E:\FY_2019-20\breakout_board\SchDoc	Drawn By: