

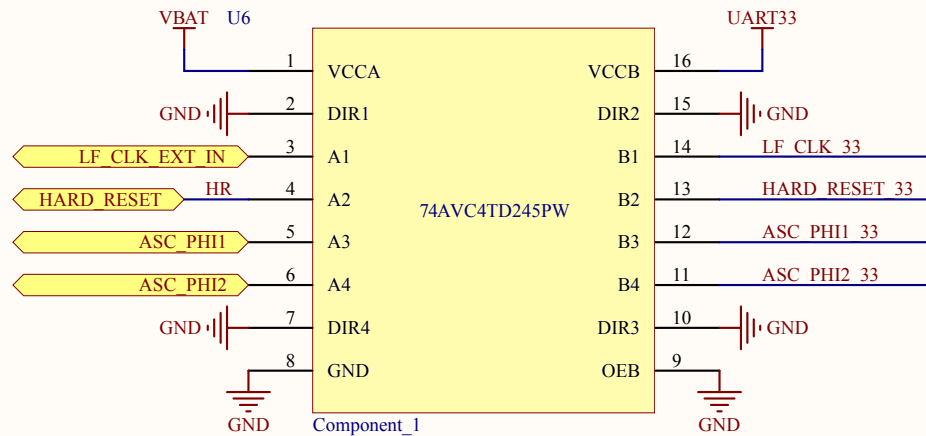
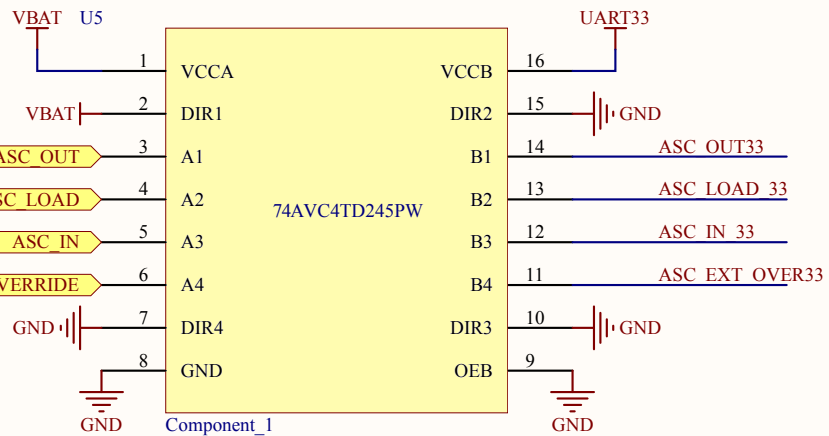
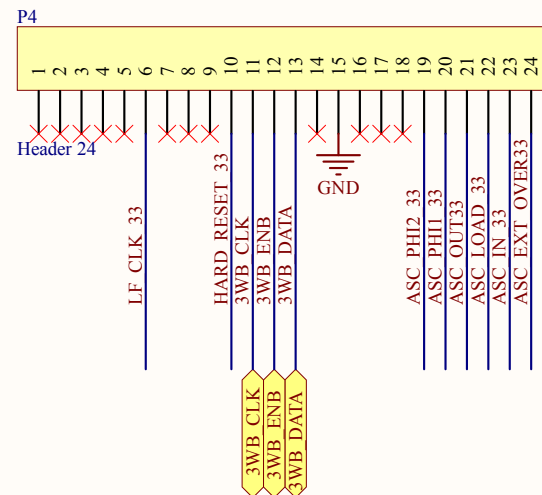
Pullup to keep HARD_RESET high when teensy is not plugged in; Only needed when U6 is present

Do not populate R8 if R7 is present



Populate to directly connect Teensy to HARD RESET on SCM. Should configure Teensy to do open-drain pulldown since this SCM pin cannot take 3.3V.

Do not populate R7 if U6 is present



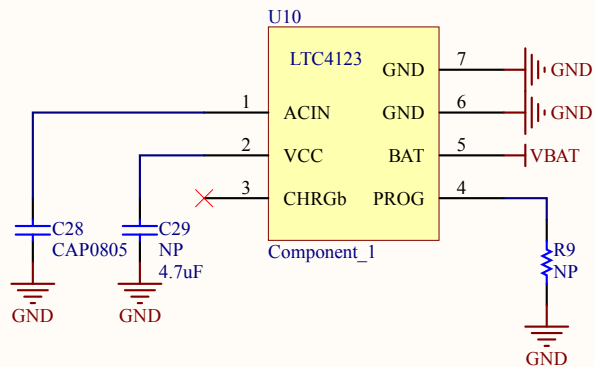
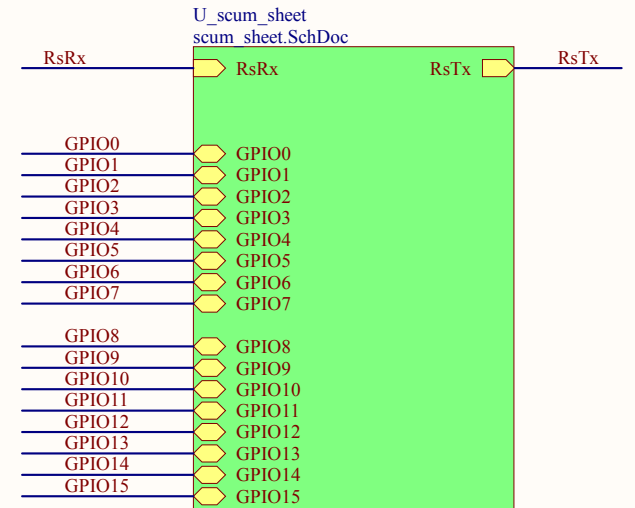
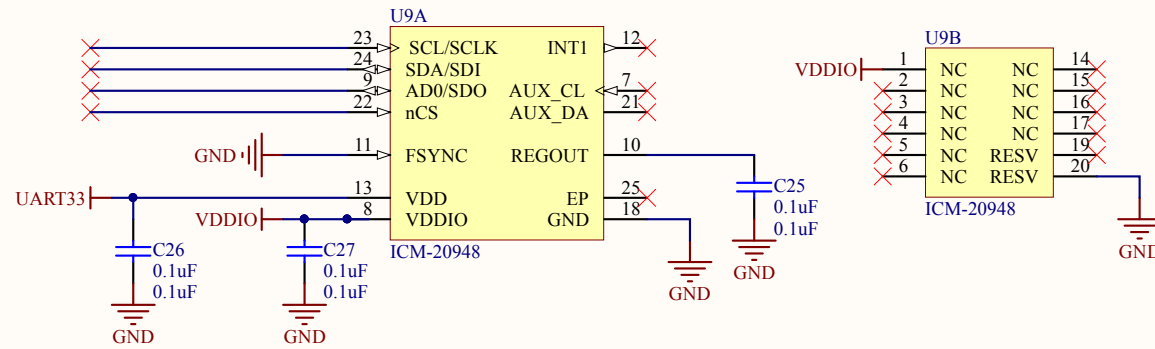
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File:	C:\Research\...scan_chain_boot.SchDoc	Drawn By:

Invensense MPU-9250 and ICM-20948 are pin compatible

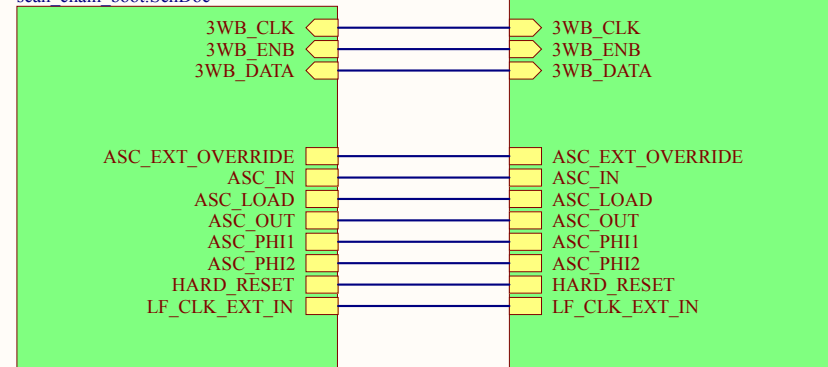
When using MPU-9250, VDDIO can be 1.71V-3.3V

When using ICM-20948, VDDIO can be 1.71V-1.95V

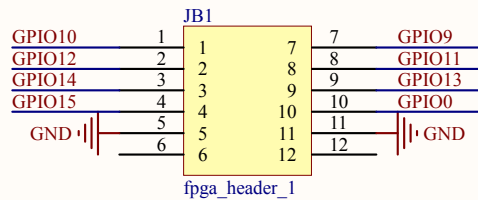
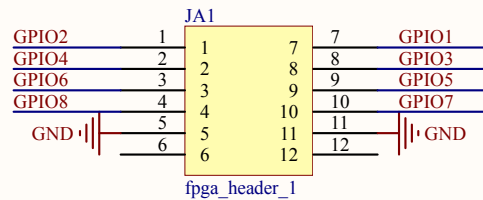
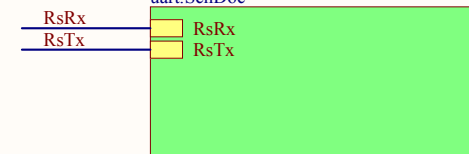
Easiest way to use ICM-20948 is to replace 1.5V VBAT LDO with 1.8V and set VDDIO=VBAT



U_scan_chain_boot
scan_chain_boot.SchDoc



U_uart
uart.SchDoc



SCuM-3B

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File:	C:\Research\...\top sheet.SchDoc	Drawn By:

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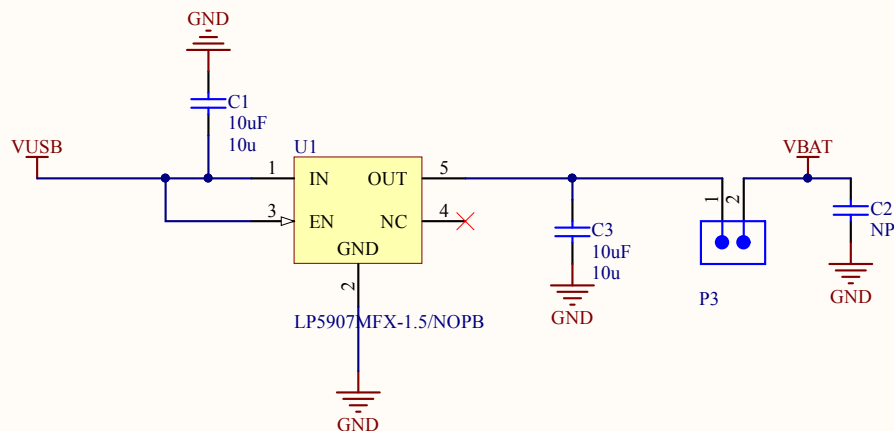
D

A

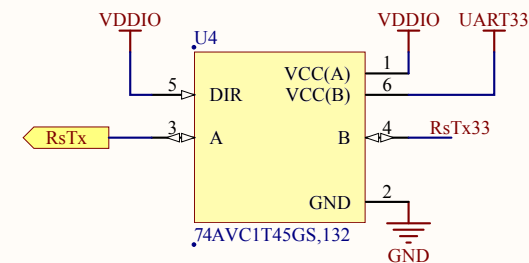
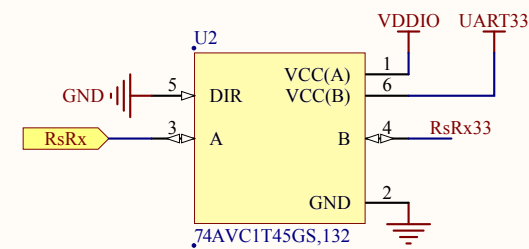
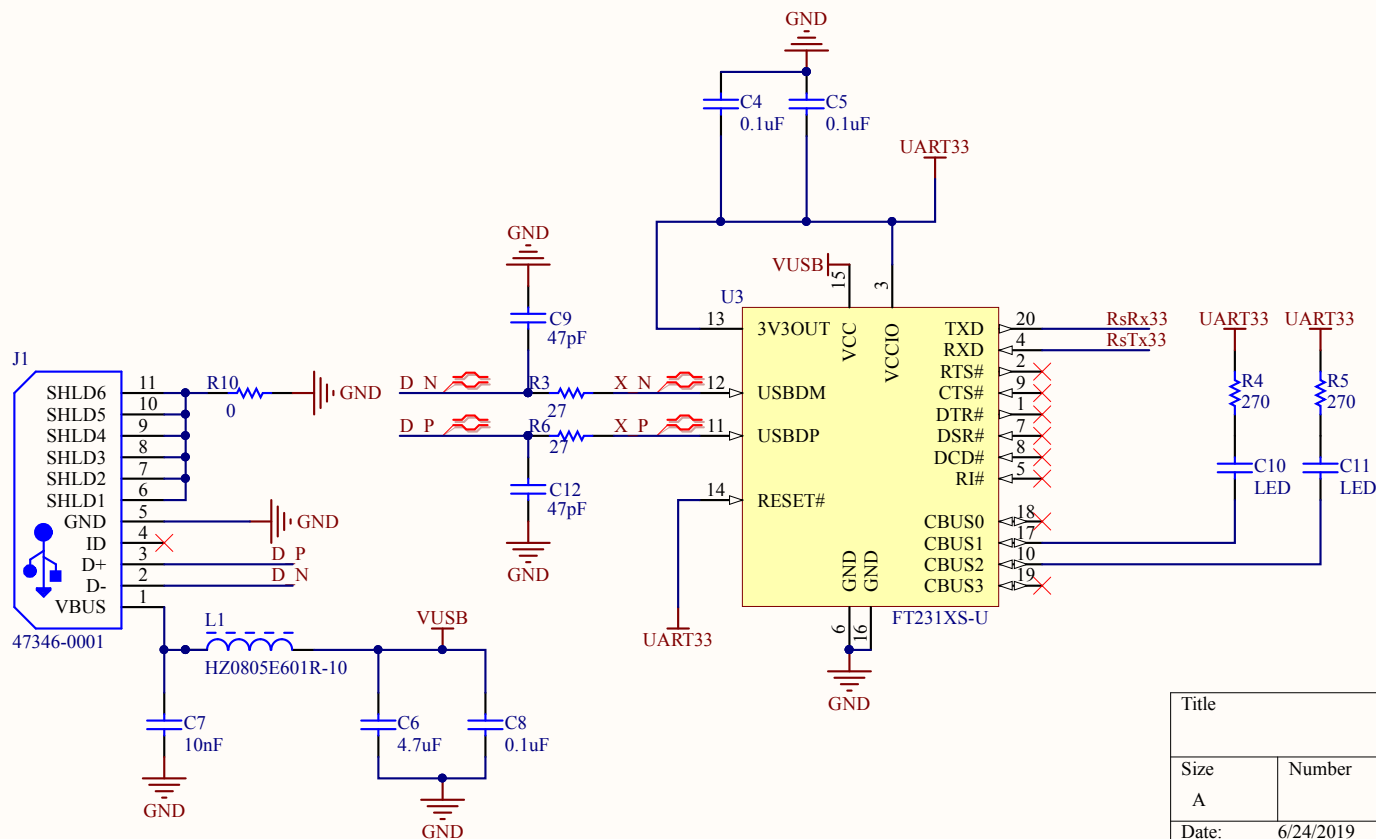
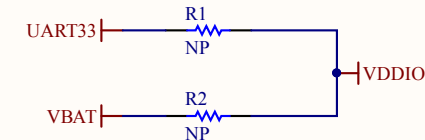
B

C

D



Populate One. Choose VDDIO = 3.3V or 1.5V



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File:	C:\Research\...\uart.SchDoc	Drawn By:

