

Power



File: Power.sch

Analogue\_Flow\_Rate\_HART



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USB\_BLE



File: USB\_BLE.sch

Analogue\_Tidal\_Vol



File: Analogue\_Tidal\_Vol.sch

Sensors\_Pressure



File: Sensors\_Pressure.sch

Analogue\_Abs\_Press



File: Analogue\_Abs\_Press.sch

Sensors\_Temp



File: Sensors\_Temp.sch

Indicators



File: Indicators.sch

Sensors\_Environ



File: Sensors\_Environ.sch

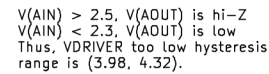
Connectors



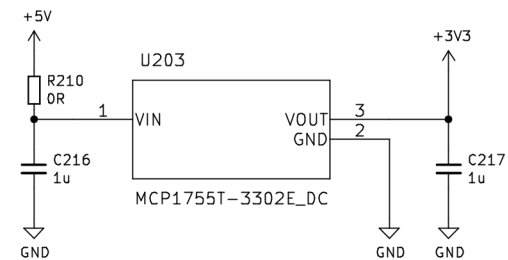
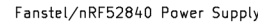
File: Connectors.sch

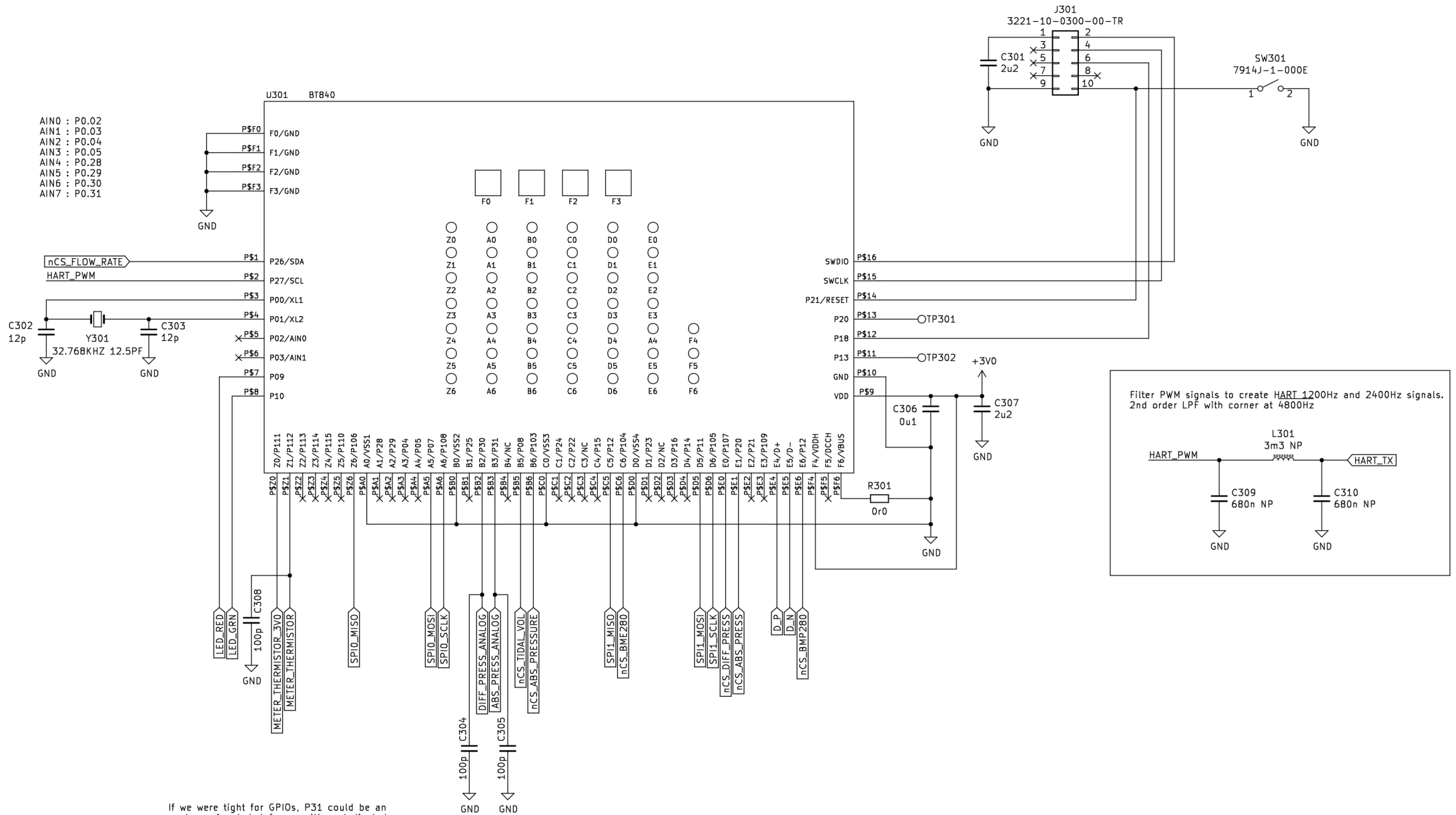
Slope Control :  $SCR0 = SCR1 = 0$  slow slew rate

VBUS is USB source

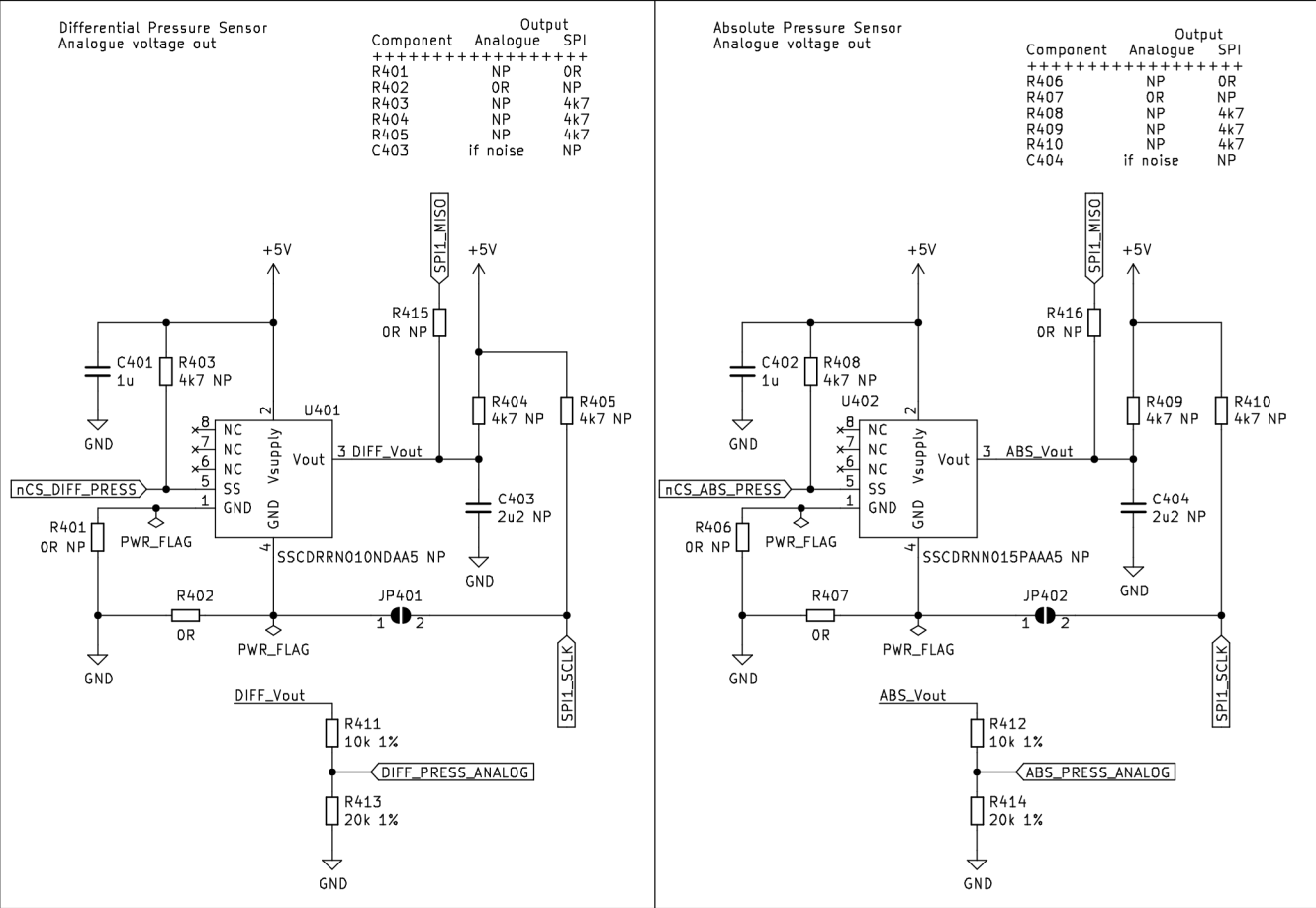


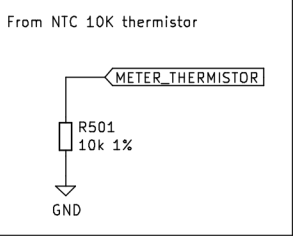
Min USB spec is  $5 - 0.6 = 4.4\text{VDC}$



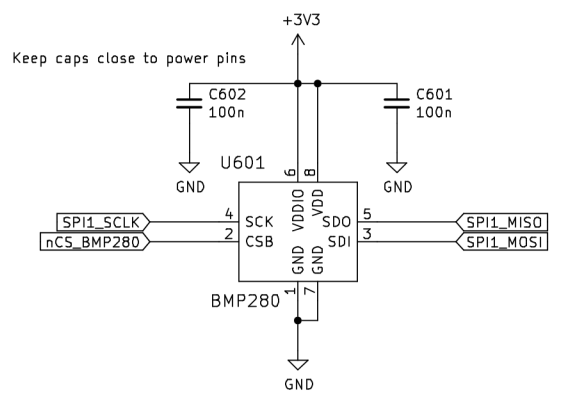


**Both pressure sensors must be configured as either analogue output or SPI output.**





Barometric Pressure Sensor 1



Barometric Pressure Sensor 2

