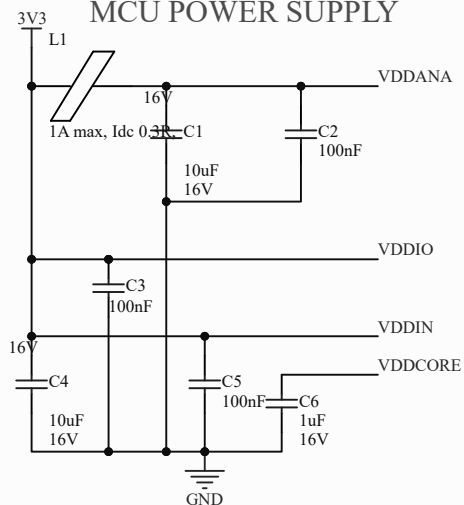
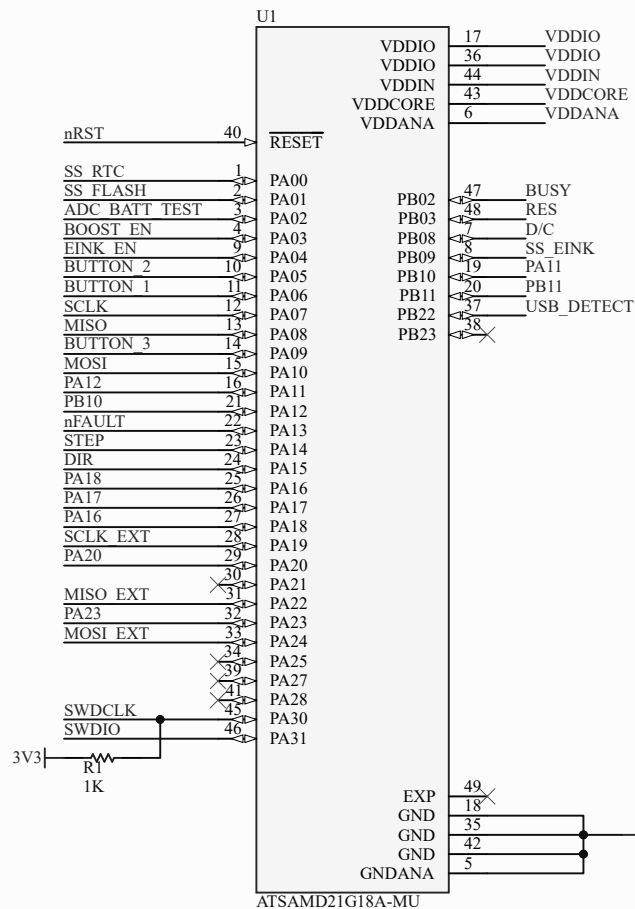


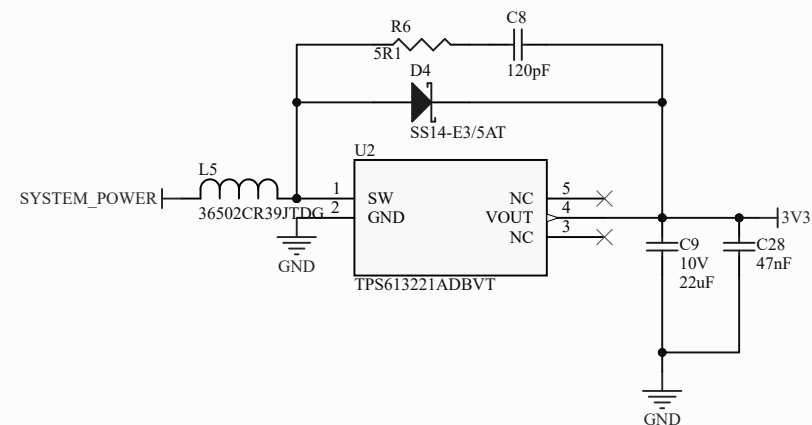
MCU POWER SUPPLY



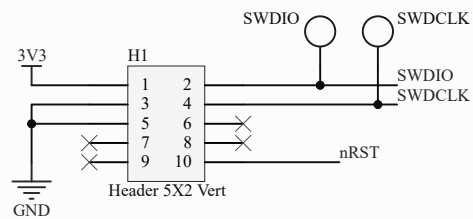
MCU - SAMD21



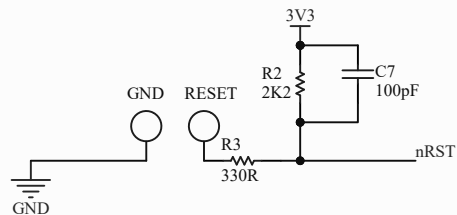
3V3 BOOST CONVERTER



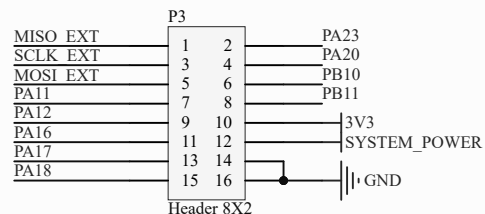
PROGRAMMING



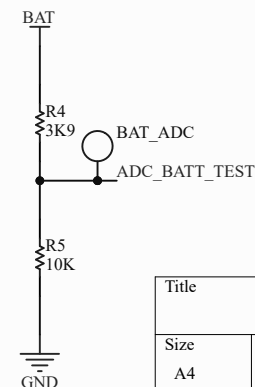
EXTERNAL RESET



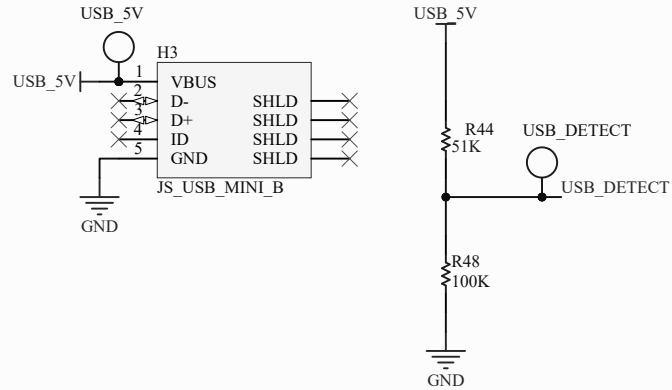
SPARE PIN BREAKOUT



BATTERY TEST



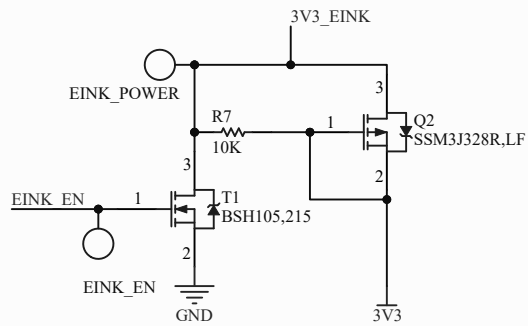
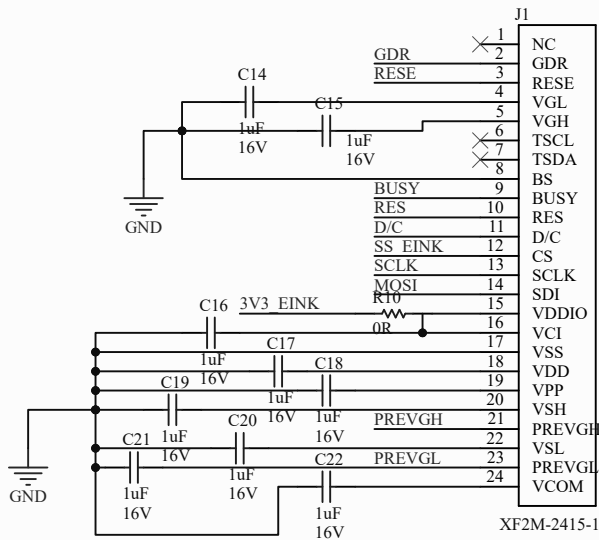
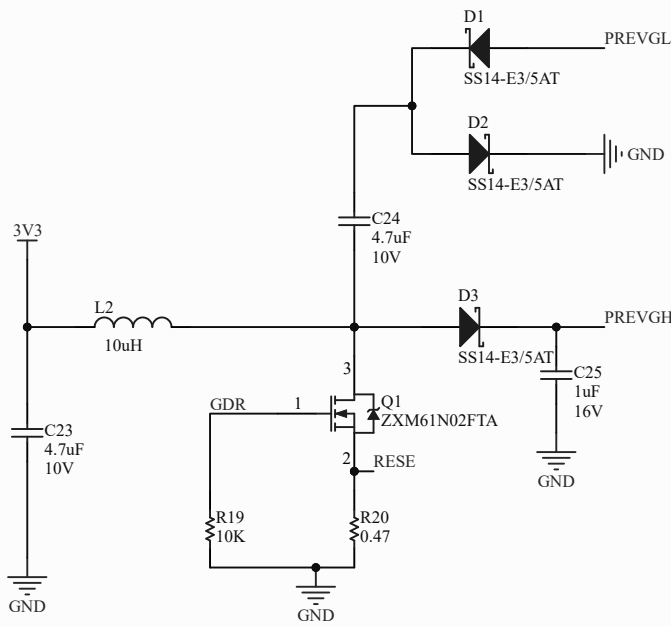
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Size	Number	Revision
A4		
Date:	6/30/2024	Sheet of
File:	C:\Users\...\MCU.SchDoc	Drawn By:



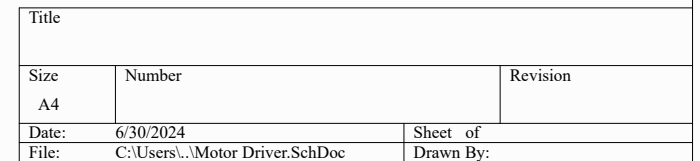
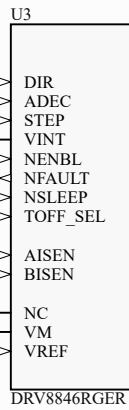
The schematic shows a temperature measurement module. It features a USB_5V input connected to a 5V regulator (R52, 150R) and a 6.3V 10uF capacitor (C35). A MOSFET (Q6, SSM3J328RLF) is used to switch an inductor (L4, 15uH) and a diode (D8, SS14-E3/5AT) for a boost converter. The microcontroller (U11, ds2710g+) is connected to various components: a thermistor (R60, 0603 10K) for temperature sensing, a green LED (DL5, Bright Green) for status indication, and a header (P4, Header 2) for external connections. Power is supplied by a 5V regulator (R52, C35) and a 16V capacitor (C39). The microcontroller is also connected to a 1K resistor (R58) and a 47K resistor (R57) for status indication.

Title		
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Date: 6/30/2024	Sheet of	
File: C:\Users\...\Battery and Charge Management		Drawn by Doc

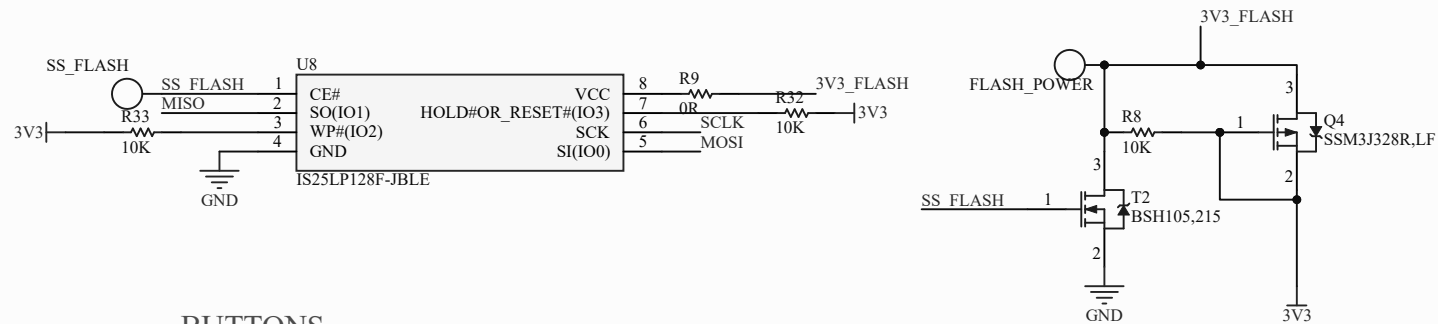
FPC CONNECTOR (24 PIN, 0.5mm)



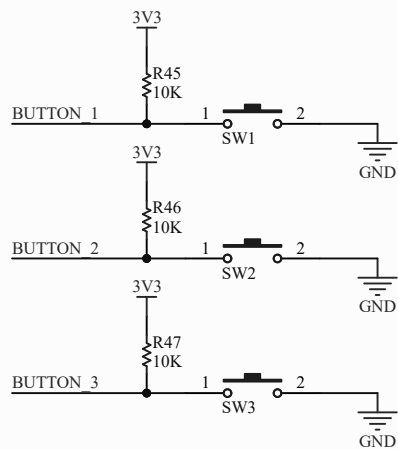
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Date:	6/30/2024	Sheet of
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FLASH MEMORY

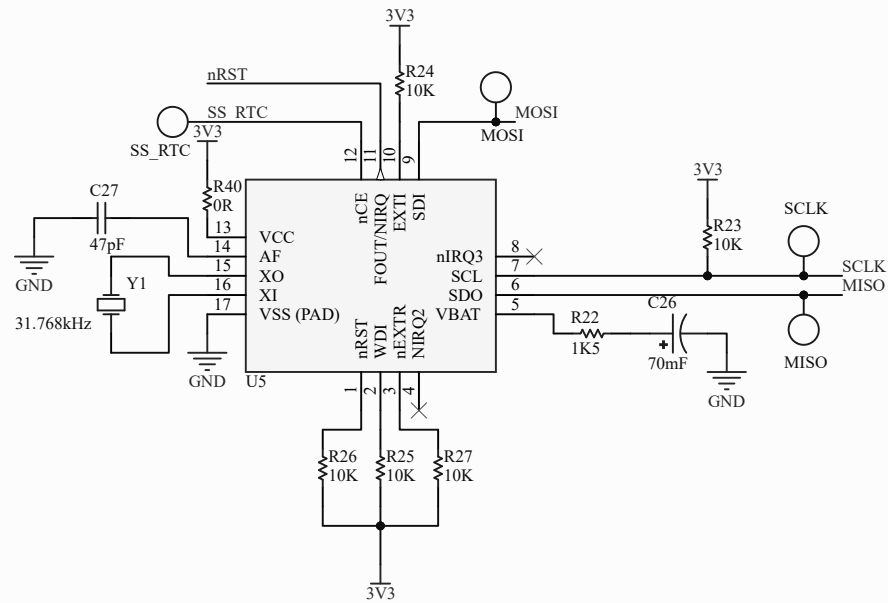


BUTTONS



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Date:	6/30/2024	Sheet of
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AB1815 RTC



Title		
Size A4	Number	Revision
Date:	6/30/2024	Sheet of
File:	C:\Users\A\RTC.SchDoc	Drawn By: