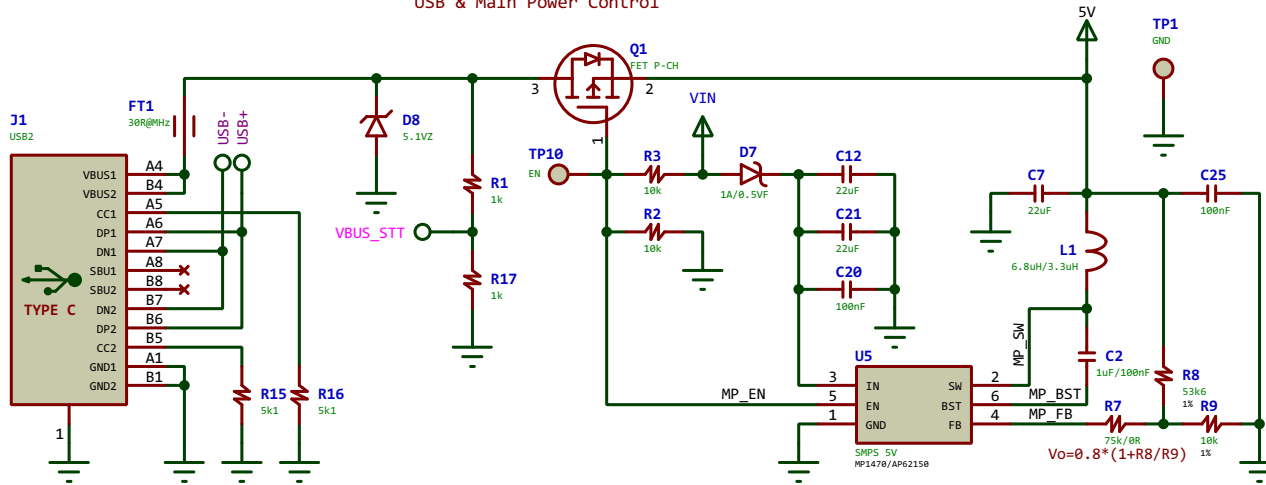
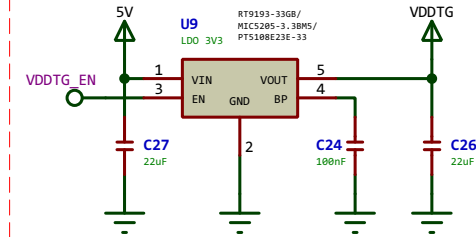


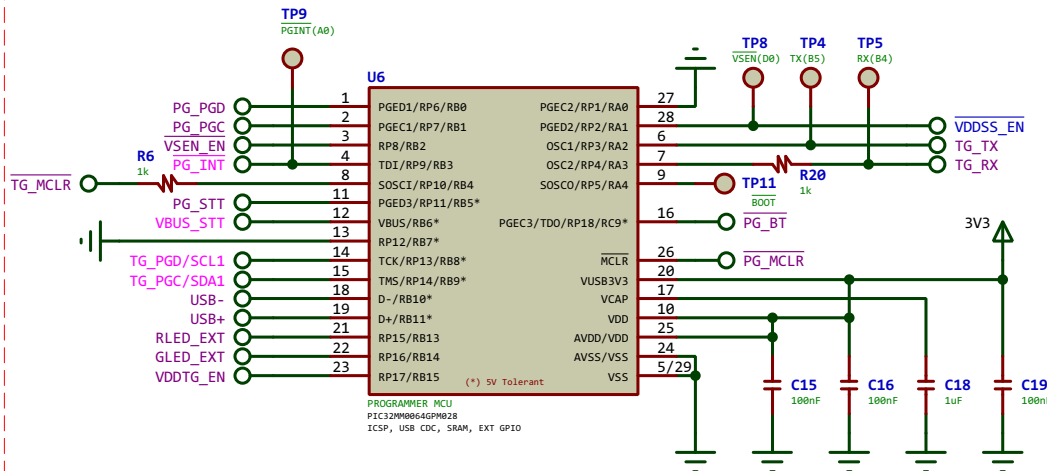
USB & Main Power Control



Target MCU Power Regulator



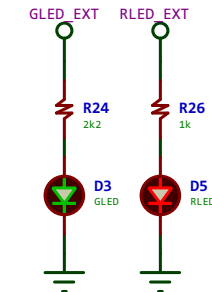
Onboard Programmer, Expander SRAM & IO (Slave Address 53H)



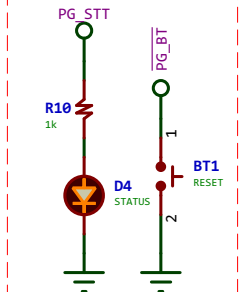
P/N: SAMM-<MCU CODE>-<PERIPHERAL CODE>

PIC16(L)F18875 SAMM-75-FRT | PIC16(L)F18876 SAMM-76-FRT | PIC16(L)F18875 SAMM-77-FRT | FRT: Flash, RTCC, Temperature Sensor

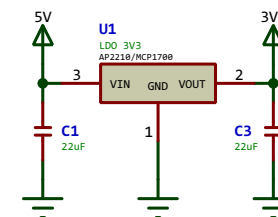
Expander Output



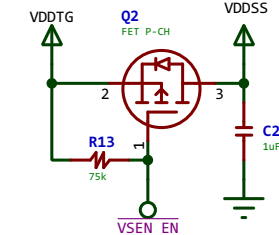
Prog Status & Button



Programmer Power Regulator



Sensor Power Control



DESIGN TITLE: SAMM-75/6/7-F|R|T

Power & Programmer

BY: SAMPI Dev Kit

REV: 2.4

DATE:

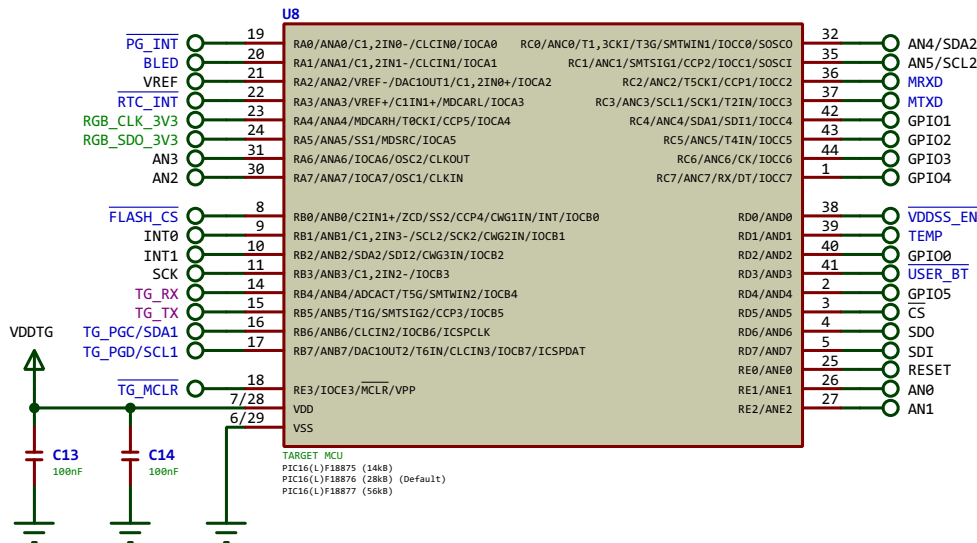
Wed, 28.6.2023

PAGE:

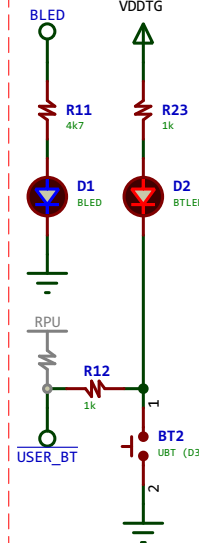
1 of 3

TIME: 23:15:35

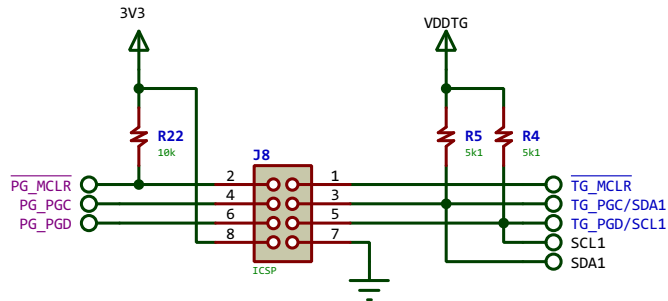
TARGET MCU



Button & LEDs



External Debugger



DESIGN TITLE: SAMM-75/6/7-F|R|T



Target MCU

BY: SAMPI Dev Kit

REV: 2.4

DATE:

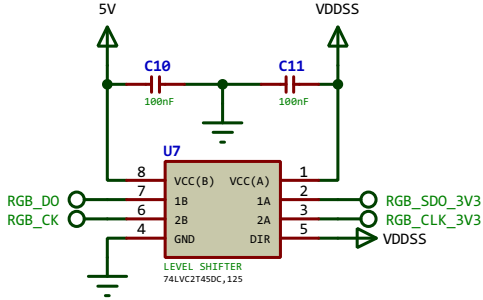
Wed, 28.6.2023

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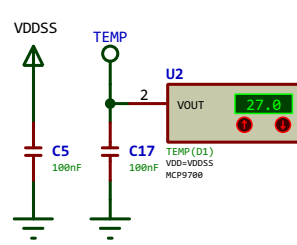
2 of 3

TIME: 23:15:35

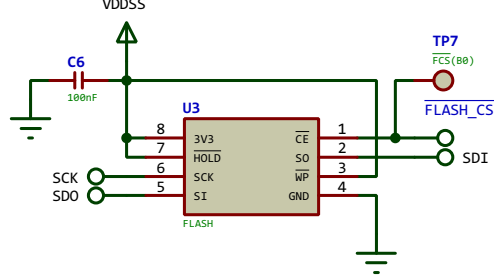
Level Shifter for Addressable RGB LED



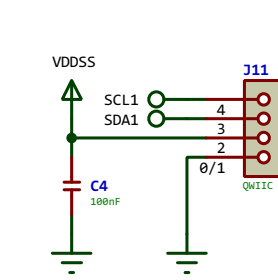
Analog Thermal Sensor



Flash Memory

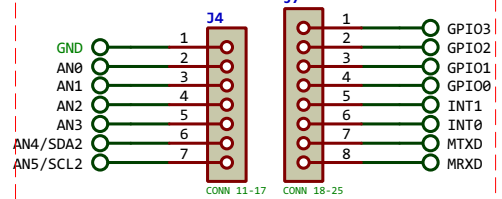
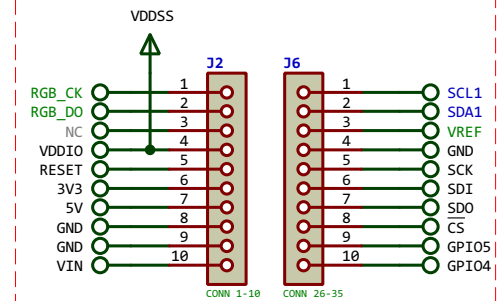
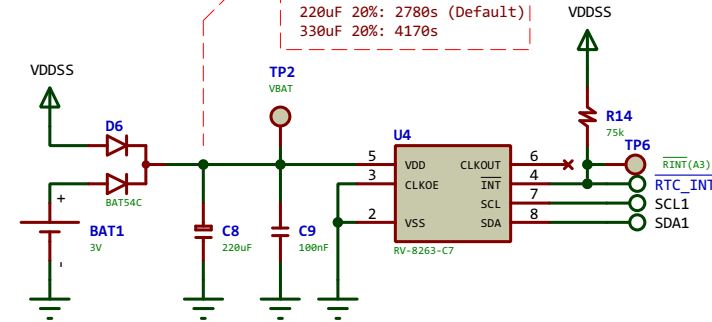


QWIIC

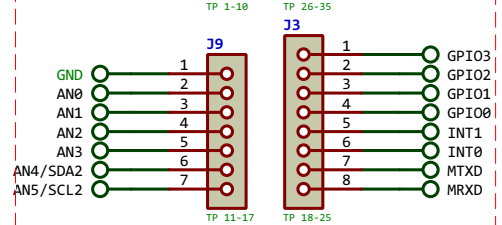
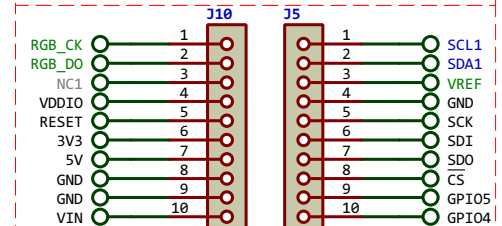


RTCC (Slave Address: 51H)

10uF 20%:	125s
22uF 20%:	280s
47uF 20%:	590s
100uF 20%:	1260s
220uF 20%:	2780s (Default)
330uF 20%:	4170s



Arduino Uno Pinout



Test Pins

DESIGN TITLE: SAMM-75/6/7-F|R|T



BY: SAMPI Dev Kit

Peripherals

REV: 2.4

DATE:

Wed, 28.6.2023

PAGE:

3 of 3

TIME: 23:15:35