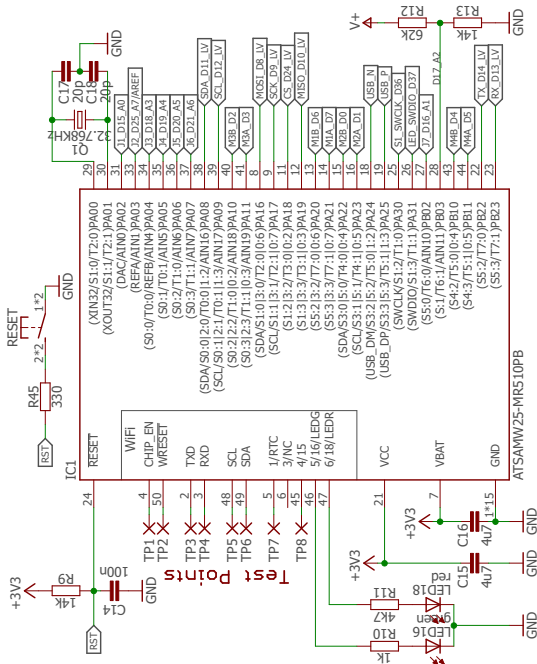


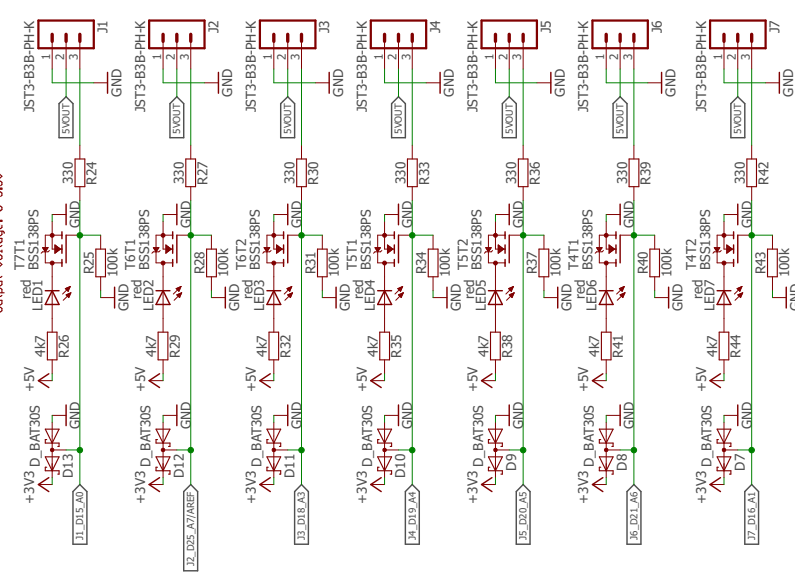
Microcontroller

Microchip SAMD21 (SAMD21) ARM Cortex-M0+ MCU + MIMX1000 WiFi SoC



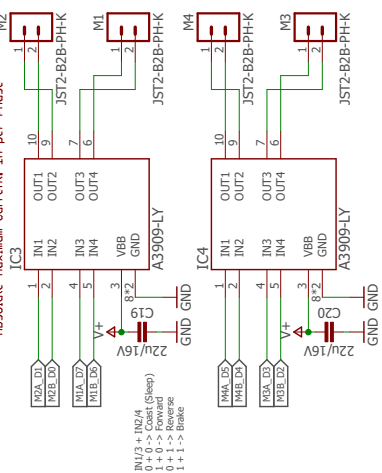
Inputs/Outputs J1....J7

Input Voltage: 0-5V
Output Voltage: 0-3.3V



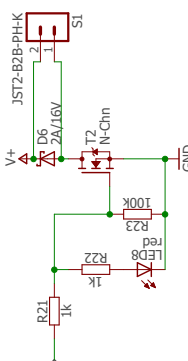
Motor M1....M4

Allegro MicroSystems A3999
Absolute Maximum Current 1A per Phase



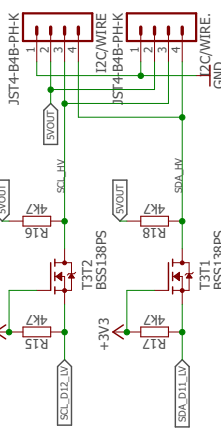
MosFet S1

Absolute Maximum Current 2A



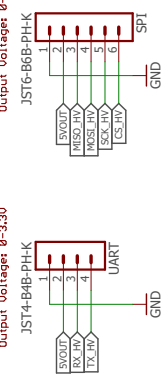
I2C/Wire

Input/Output Voltage: 0-5V



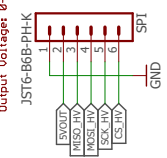
UART

Input Voltage: 0-5V
Output Voltage: 0-3.3V



SPI

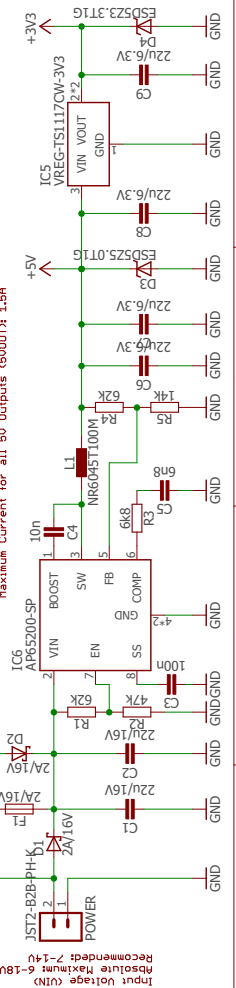
Input Voltage: 0-5V
Output Voltage: 0-3.3V



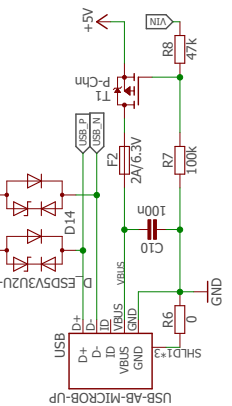
Developer Edition

Voltage Regulators

Maximum Current for all 5V Outputs (5VOUTx): 1.5A



USB



Level Shifter

