TODO: through hole gpio through hole 2x3 conn through hole 2.1mm barrel right angle on/off **POWER SUPPLY: 5V POWER SUPPLY: 3.3V USB Connection & Selection** TR1 DMP3098L-7 Replaced THM with SMT 2.1mm Or M X5 D1 DMP3098L-7 CNBREAMBR120 2.1mm JP NCP1117ST50T3G 1 NC/FB 4 USB\_W\_SHIFLD\_V2 IC3B LP2985-XXDBVR GND USB\_W\_SHIELD\_V2 GND GND PA28\_USB\_HOST\_EN RX/TX LED RXLED/SWDIO RXLED0 **POWER SUPPLY SELECTION** GND **POWER LED** D13 LED ATSAMD21G18 **NEOPIXEL LED** GND NEOPIX/SWCLK ATSAMD21J\_QFN GND PA00/EINTO/SERCOM1.0 -PA01/EINT1/SERCOM1.1 -PA02/EINT2/AIN0/Y0/VOU PA03/EINT3/VREFA/AIN1 PA04/EINT4/VREFB/AIN4/SERCOM0.0 PA05/EINT5/AIN5/SERCOMO.1 PA06/EINT6/AIN6/SERCOM0.2 PA07/I7/AIN7/SERCOM0.3/I2SD0 **SWD** Interface PA08/12C/AIN16/SERCOM0+2.0/12SD1 PA09/12C/19/AIN17/SERCOM0+2.1/12SMC PA10/110/AIN18/SERCOM0+2.2/12SCK D1 D0 MISO FLASH\_CS PA11/I11/AIN19/SERCOM0+2.3/12SF0
PA12/I12/I2C/SERCOM2+4.0
PA13/I13/I2C/SERCOM2+4.1 SPI FLASH PB02/I2/AIN10/SFRCOM5.0 PB03/I3/AIN11/SERCOM5.1 PB08/I8/AIN2/SERCOM4.0 PA14/I14/SERCOM2+4.2 -PA15/I15/SERCOM3+4.3 PA16/I2C/I0/SERCOM1+3.0 PA17/I2C/I1/SERCOM1+3.1 PA18/I2/SERCOM1+3.2 PB09/I9/AIN3/SERCOM4.1 PB10/I10/SERCOM4.2/I2SMC PB11/I11/SERCOM4.3/I2SCL FLASH\_MOSI PB22/I6/SERCOM5.2 PA19/I3/SERCOM1+3.3/I2SD0 PA20/I4/SERCOM3+5.2/I2SSC PA21/I5/SERCOM3+5.3/I2SFS0 B23/I7/SERCOM5.3 PA22/I2C/I6/SERCOM3+5.0 PA23/I2C/I7/SERCOM3+5.1/SOF PA24/I12/SERCOM3+5.2/D-PA25/I13/SERCOM3+5.3/D+ U3 FLASH\_SCK
FLASH\_MOSI
FLASH\_MISO
FLASH\_CS 6 SCK 5 MOSI MISO 5 SSEL 7 HOLD#/103 TXLED
PA28\_USB\_HOST\_EN
NEOPIX/SWCLK  $\otimes \otimes \otimes$ PA27/I15 PA28/18 -PA30/110/SECOM1.2/SWCLK -PA31/111/SECOM1.3/SWDIO -Author: Limor Fried & KTOWN VSS SPI Flash \${PROJECTNAME} \${CURRENT\_DATE} Sheet: \${#}/\${## Sheet: / File: working.kicad\_sch Size: User Date: KiCad E.D.A. eeschema 7.0.6 ld: 1/1