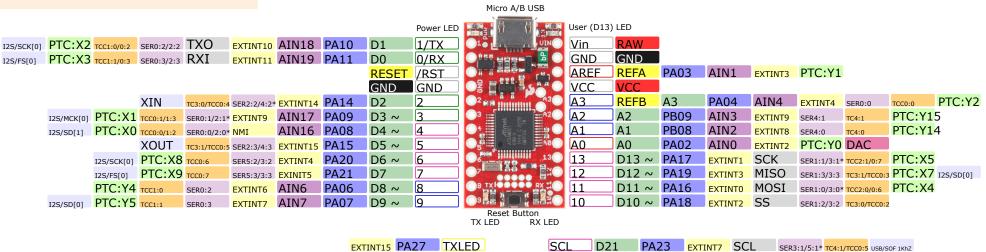
SAMD21 Mini Breakout (DEV-13664) Interupts A Name Power Serial Arduino Zero compatible GND Serial Com C/D E/F TC - Timer Counter Control Timer TCC - Timer Counter - Controller PTC В Arduino PTC - Peripheral Touch Controller G/H NMI - External Non-Maskable Interupt Port Misc Pin can only be A,B,C,D,E,F,G or H at any time DAC ADC Selecting B disables digital control 8-bit PWM pins maked with ~

LEDs Power: Red D13 (PIN_LED_13): Blue TX (PIN_LED_TXL): Green RX (PIN_LED_RXL): Yellow



SJ1 - on back of board disconnect to disconnect power LED



PTC:Y9 SER5:1 EXTINT3 AIN11 PB03 RXLED PTC: X5 TCC2:1/0:7 SER1:1/3:1* SCK EXTINT 1 PA17 D13 ~ 13 LFD SDA D20 PA22 EXTINT6 SDA SER3:0/5:0* TC4:0/TCC0:4 PCT:X10

Power

RAW: 3.5V-6.0V VCC: 600mA @3.3V

Each pin is 3.3V tolerant and can source/sink

no more than 7mA/10mA

Each cluster of I/O pins can source 46mA and sink 65mA. Clusters are defined as Yellow, Pink, Green, Blue, and Red outlines.

SamD21G18

VCC:1.62-3.63V

Arm Cortex-M0 + (32-bit) Flash Memory: 256KB

SRAM: 32KB ADC: 12-bit 48MHz

RTC

USB 2.1 with USB host capability

Serial

USB: SerialUSB

Hardware Serial: Serial1

Only Ports with * can be configured to do I2C USB host: Set PIN_USB_HOST_ENABLE high

