

## **Power**

Vin: 5.5V-5.5V for charger - otherwise 3.5V-6.0V

VBATT: 3.7V Lipo 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, Red, and Orange 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 (TX/D1 and RX/D0): Serial1 Hardware Serial (30/TX and 31/RX): Serial Only Ports with \* can be configured to do I2C USB host: Set PIN USB HOST ENABLE high

