## GroundStudio Jade Pebble

Very small SAMD21E18A based development board wih 48 MHz 32 bit processor, 256kBytes of Programmable Flash program memory, 32kBytes Internal SRAM, 6 Capacitive Touch sensing (PTC), 9 PWM Channels, 11 Digital Pins, 9 channel 12 bit ADC Pins and built in RGB NeoPixel LED.

COLOR DIAGRAM

CircuitPython Name

Arduino Name

uController Pin

## ADC Channel FABRICAT ÎN SCL SDA Touch DAC / VREF Ground Power ∼PWM Enabled Pin I<sup>2</sup>C 3V3 I<sup>2</sup>C SH adapter with 1.0mm pitch, Qwiic and StemmaQT SAMD21E18A compatible A low-power, highperformance Microchip's ARM® Cortex®-M0+ based Flash microcontroller SDA **GND** 6/A6 PA06 AIN[6] Y4 PA07 7/A7 **PA17 PA11** 8/A8 0 0 9/A9 PA16 4 **PA09** 10/A10 3/A3 PA05 2/A2 **PA04 VREFB PA03 GND** 1/A1 **PA02** Y0 **FLASH CHIP PADS** Optional SOIC-8 pads allows you to **RGB** LED add 2MB of Flash via SPI1 and chip **USB C** select pin 17 in Arduino IDE. Data USB 2.0 type C for double-sided connection NEOPIXEL POWER Power **BACK SIDE** 18.5mm • • • • • 20.5mm



Board: "GroundStudio Jade Pebble" KASVHX\_GS REV0.1

Credits: "Adafruit QT Py" by Adafruit

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