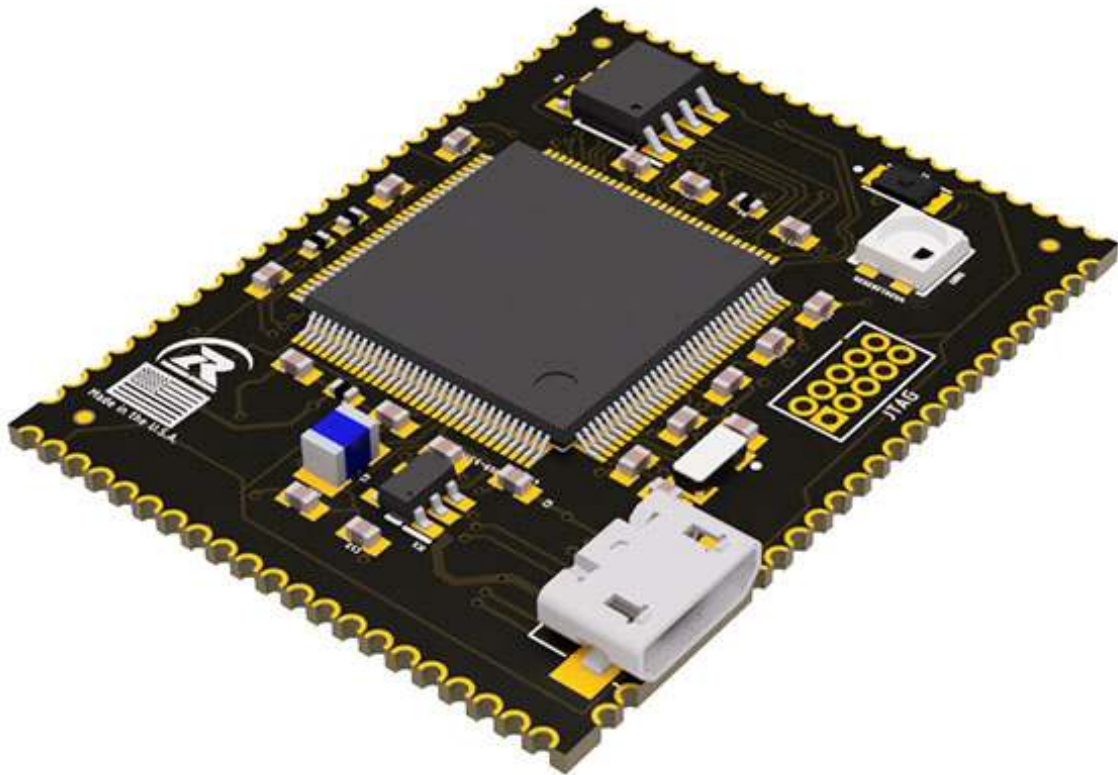


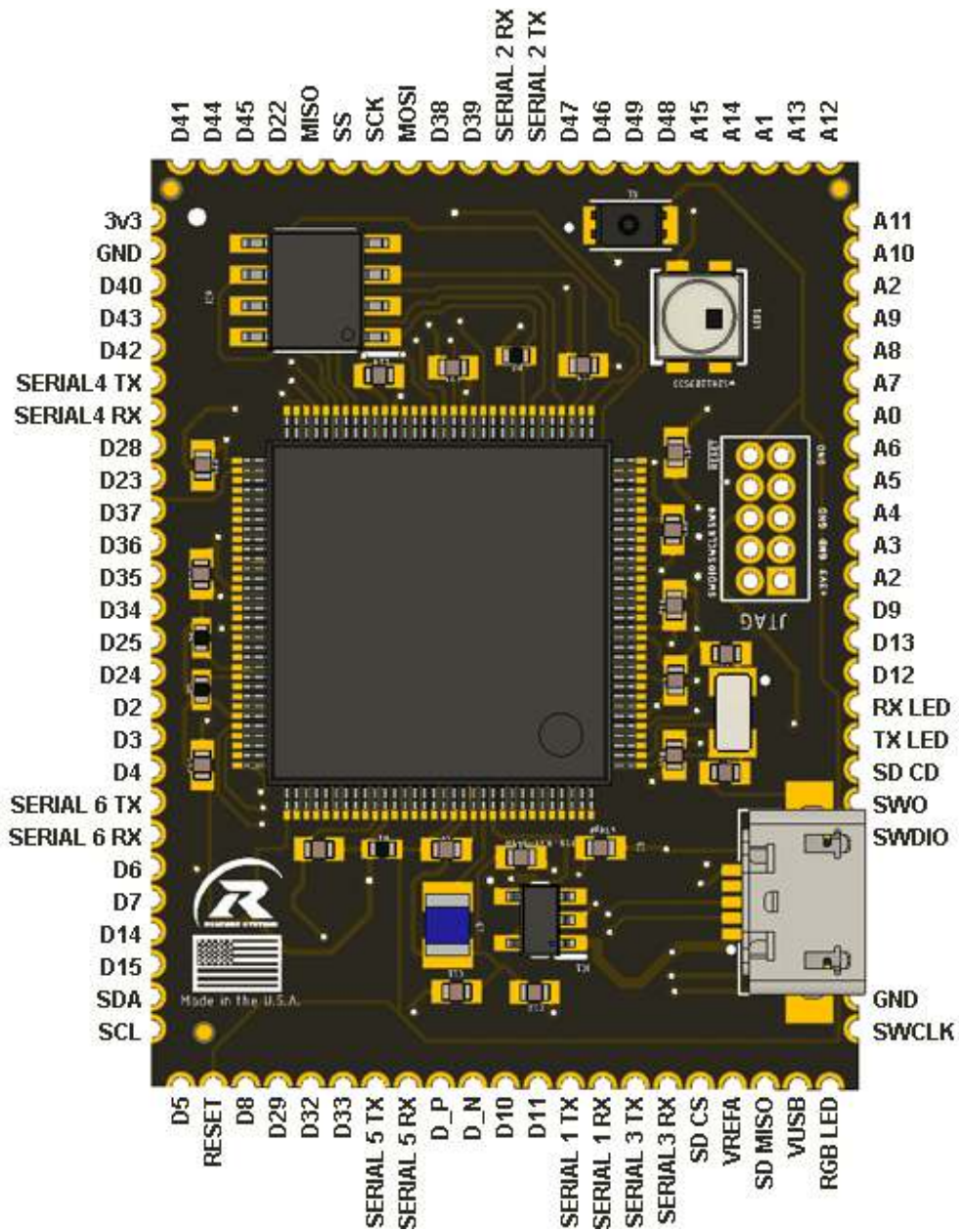


RENDEER SYSTEMS



Rendeer Systems RSD51M200 Module

- Microchip ATSAM51P20A ARM® Cortex® M4 core running at 120 MHz
- [Floating point support with Cortex M4 DSP instructions](#)
- 1MB flash, 256 KB RAM
- 32-bit, 3.3V logic and power
- 70 GPIO pins in total
- Dual 1 MSPS DAC (A0 and A1)
- Dual 1 MSPS ADC (15 analog pins)
- 8 x hardware SERCOM (can be I2C, SPI or UART)
- 22 x PWM outputs
- Built in crypto engines with AES (256 bit), true RNG, Pubkey controller
- Logic level is 3.3V
- Onboard RGB LED (Neopixel compatible)
- Native USB, there's no need for a hardware USB to Serial converter when used to as a serial device, the USB interface can be used by any computer to send/receive data to the RSD51M200 and can also be used to launch and update code via the bootloader. It can also act like an HID keyboard or mouse.



TECHNICAL DETAILS

Product Dimensions: 37.5mm x 27.75mm x 3.56mm / 1.476378" x 1.1" x 0.14"



<https://www.rendeersys.com>