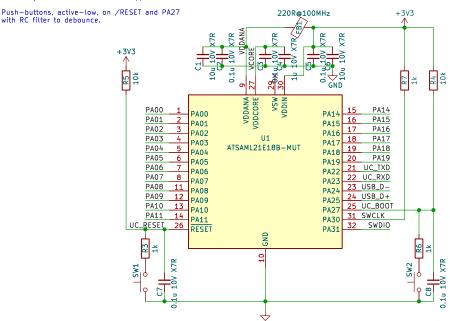
SAM L10/L21 MCU

with RC filter to debounce.

Depending on device variant, a SAML10 or SAML21 MCU is installed.

PA27 used for boot-loader, pull low during reset to enter boot-loader mode for flashing firmware via UART or USB. Boot-loader will always run when first word of application is OXFFFFFFFF

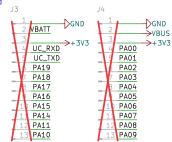


Outboard Ports

2.54mm (10mil) pitch, 1x13 pins

GPIO pins directly connected

Included in pack but not placed



Inboard Ports

2.54mm (10mil) pitch, 1x3 pins

GPIO pins with extra components

Included in pack but not

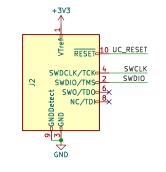




ARM SWD Port

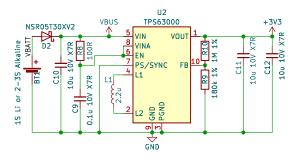
1.27mm (5mil) pitch

ARM SWDIO/SWCLK pins

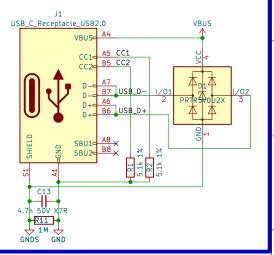


3.3V Power Supply

TPS63000 buck-boost converter powered by either VBUS (USB supply) or VBATT (battery supply). VBATT is protected from reverse-polarity and charging by D2 (ultra-low Vf diode)



USB-C Port ESD/TVS Protection



	М		

File: jackson.kicad_sch

Title: SAM-L Jackson

Size: A4 Date: 2023-06-20 Rev: 0.1 KiCad E.D.A. kicad 7.0.2 ld: 1/1