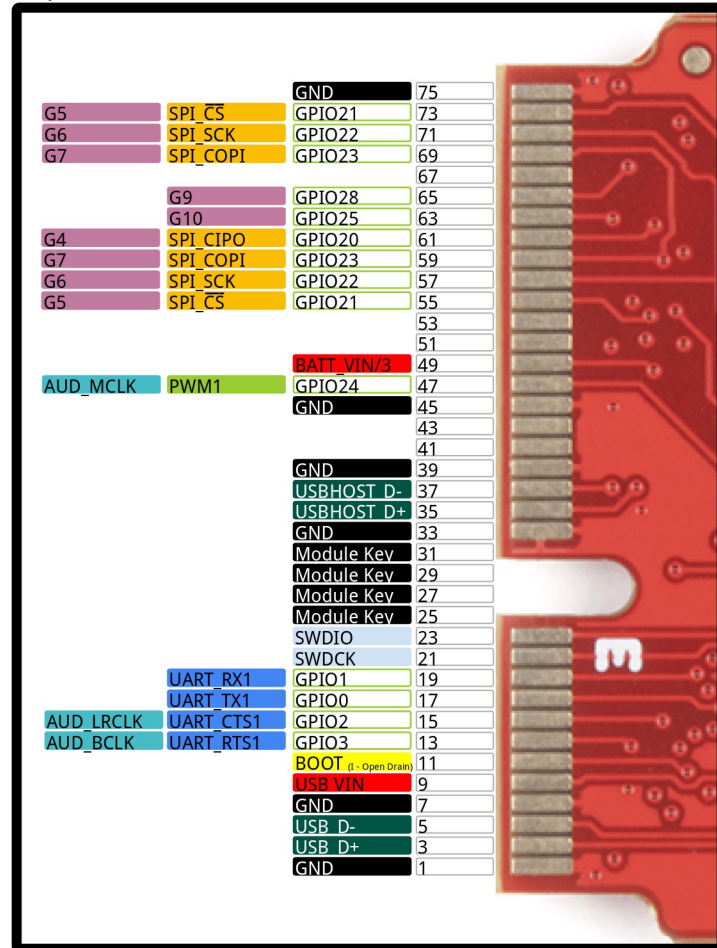


# MicroMod RP2040 Processor Board Pinout

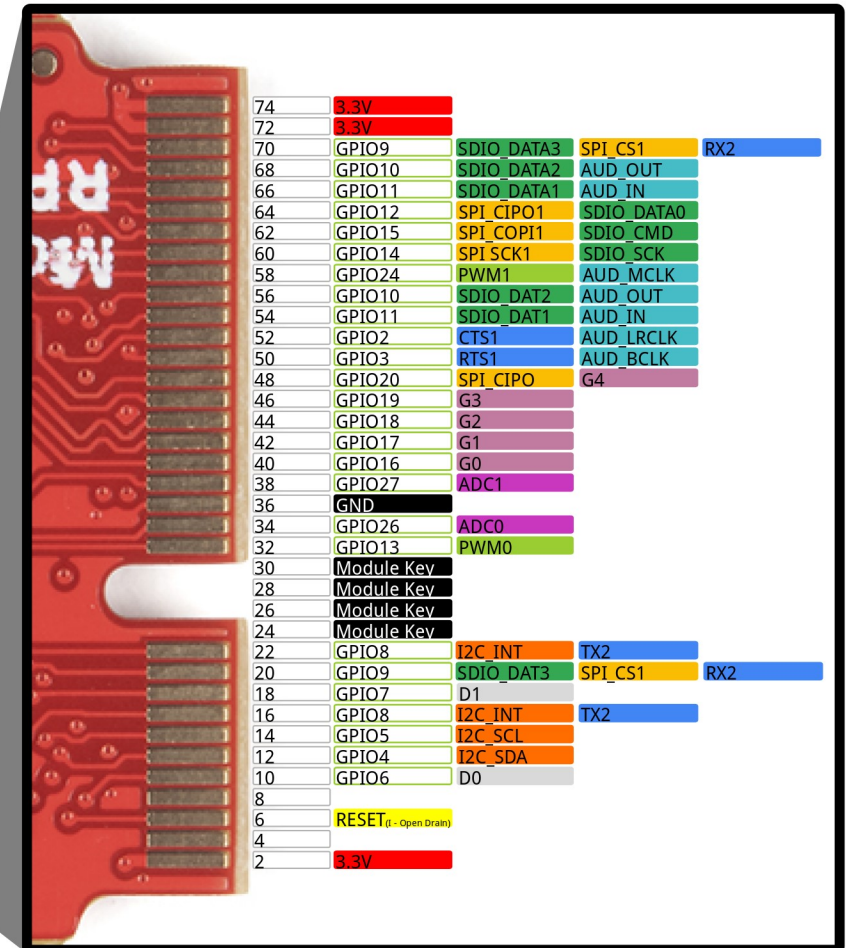
## DEV-11720

Pin Number	Power	GND	Control
Digital Pin	ADC	PWM	Serial UART
I <sup>2</sup> C	SPI	CAN	USB
SWD	Audio	Camera	General/Bus
SDIO	GPIO		

Top of Board



Bottom of Board



**Power**  
 USB: 5V at ~500mA (default), dependent on USB Port  
 "3V3" Pin: Regulated 3.3V  
 I/O Logic Levels: 3.3V

**USB**  
 USB 1.1 Device/Host

**LEDs**  
 Power: Red  
 STAT: Blue [ GPIO25 ]

**RP2040**  
 Absolute maximum VCC: 3.3V  
 32-bit Dual ARM Cortex M0+ (up to 133MHz)  
 ROM: 16kB (fixed at time of silicon is manufactured)  
 Internal SRAM: 264kB  
 ADC: 12-bit  
 PWM: 16-bit

**W25Q128JVPIM**  
 External Flash Program Memory: 16MB

**Notes**

- The pins on the RP2040 can be muxed! For more information on the multiplexed pins, check out "section 1.4.3 GPIO Functions" of the RP2040 datasheet.
- GPIO## refers to the RP2040 pins on the IC while the G## refers to the pins based on the MicroMod nomenclature. To control the pin based on your programming language, make sure to reference the GPIO## on the RP2040.

