

WELCOME TO TEENSY® 4.0

32 Bit Arduino-Compatible Microcontroller

To begin using Teensy, visit the website & click **Getting Started**

PJRC.com/teensy

DIGITAL PINS

digitalRead
digitalWrite
pinMode

ANALOG PINS

analogRead

PWM PINS

analogWrite

DIGITAL AUDIO

Audio Library

SERIAL PORTS

Serial1-Serial7

I2C PORT

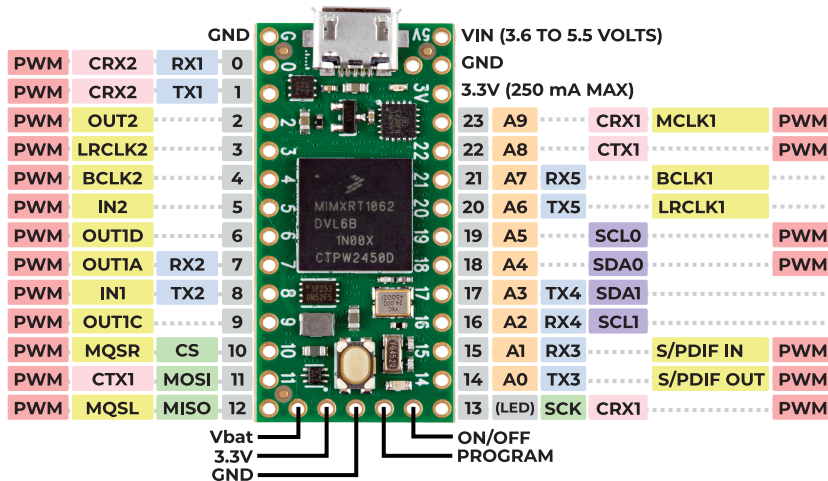
Wire Library

SPI PORT

SPI Library

CAN BUS

FlexCAN_t4
Library



ALL DIGITAL PINS HAVE INTERRUPT CAPABILITY

RED LED:
LOADING STATUS

DIM: READY
BRIGHT: WRITING
BLINK: NO USB

sparkfun
ELECTRONICS

Teensy®

TEENSY® 4.0 BACK SIDE

For solutions to the most common issues & technical support, visit:

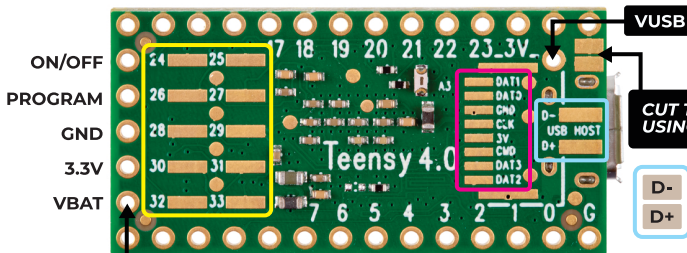
[PJRC.com/help](https://pjrc.com/help)

Additional pins and features available on the back side

TEENSY 4.0 SIGNAL PINS ARE **NOT** 5V TOLERANT. DO NOT APPLY MORE THAN 3.3 VOLTS TO ANY PIN, EXCEPT VIN OR VUSB.

PWM	SCL2	TX6	A10	24	25	A11	RX6	SDA2	PWM
	MOSI1		A12	26	27	A13		SCK1	
PWM		RX7		28	29		TX7		PWM
		CRX3		30	31		CRX2		
	OUT1B			32	33		MCLK2	PWM	

34	DAT1	MISO2	PWM
35	DAT0	MOSI2	PWM
GND			
36	CLK	CS2	PWM
3.3V			
37	CMD	SCK2	PWM
38	DAT3	RX5	PWM
39	DAT2	TX5	PWM



USE 3V COIN CELL FOR DATE & TIME AND POWER MANAGEMENT FEATURES

CUT TO SEPARATE VIN FROM VUSB IF USING BATTERY OR EXTERNAL POWER

D-
D+

SD CARD (4 BIT SDIO)
SD Library
SD.begin(BUILTIN_SDCARD)

USB HOST
USBHost_t36 Library

Teensy 4.0 System Requirements:

- Windows 7, 8, 10, 11 or later
OR Ubuntu Linux 14.04 or later
OR Macintosh OS-X 10.10 or later
- USB Micro-B Cable

