

WELCOME TO TEENSY® 4.1

32 Bit Arduino-Compatible Microcontroller

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

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

DIGITAL PINS

digitalRead
digitalWrite
pinMode

I2C PORT

Wire Library

DIGITAL AUDIO

Audio Library

SERIAL PORTS

Serial1-Serial7

SPI PORT

SPI Library

ANALOG PINS

analogRead

PWM PINS

analogWrite

CAN BUS

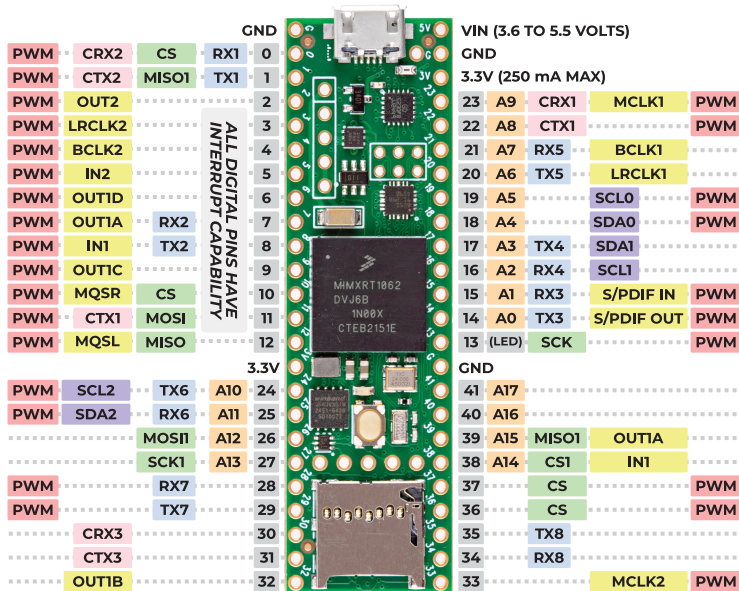
FlexCAN_t4
Library

RED LED: LOADING STATUS

DIM: READY
BRIGHT: WRITING
BLINK: NO USB

sparkfun
ELECTRONICS

Teensy®



TEENSY® 4.1 FEATURES

Teensy

Special Features and Additional Pins

sparkfun
ELECTRONICS

SD CARD

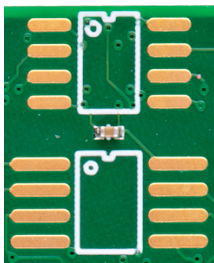
RX8	CS0	48
SCK2	D1	49*
MOSI1	D2	50*

GND

*PIN IS SHOWN TWICE

PWM	SCL1	CS0	51
	SCK2	D1	49*
	MOSI2	D2	50*

GND



3.3V

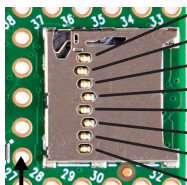
54*	D3	MISO2	PWM
53*	CLK	TX1	
52*	D0	RX1	

3.3V

54*	D3	SCK1	
53*	CLK	TX1	PWM
52*	D0	CRX2	

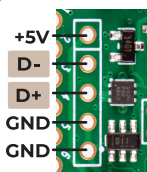
QSPI MEMORY

ON/OFF
PROGRAM
GND
3.3V
VBAT



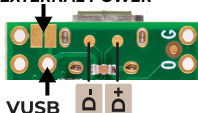
47	DAT2	TX5	PWM	
46	DAT3	RX5	PWM	
45	CMD	SCK2	SCL1	PWM
3.3V				
44	CLK	CS2	SDA1	PWM
GND				
43	DAT0	MOSI2		PWM
42	DAT1	MISO2		PWM

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

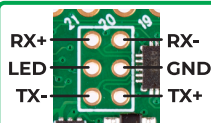


USB HOST

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



USB DEVICE



ETHERNET

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

Teensy 4.1 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



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

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