Welcome to Teensy® 4.0

32 Bit Arduino-Compatible Microcontroller

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

Red LED
Loading Status
dim: Ready
bright: Writing
blink: No USB

Vin (3.6 to 5.5 volts)
GND
3.3V (250 mA max)

PWM	PWM		PWM	PWM		PWM	PWM	PWM
MCLK1		BCLK1	LRCLK1				S/PDIF IN	S/PDIF OUT	
CRX1	CTX1		SCL0	SDA0	SDA1	SCL1			CRX1
		RX5	TX5			TX4	RX4	RX3	TX3	SCK
A9	A8	A7	A6	A5	A4	A3	A2	A1	A0	(LED)
23	22	21	20	19	18	17	16	15	14	13

On/Off
Program
GND
3.3V
VBat

All digital pins have Interrupt capability.

GND

0	1	2	3	4	5	6	7	8	9	10	11	12
RX1	TX1					RX2	TX2			CS	MOSI	MISO
CRX2	CTX2	OUT2	LRCLK2	BCLK2	IN2	OUT1D	OUT1A	IN1	OUT1C	MQSR	CTX1	MQSL
PWM	PWM	PWM	PWM	PWM	PWM	PWM	PWM	PWM	PWM	PWM	PWM	PWM

Teensy® 4.0 Back Side

Additional pins and features available on the back side

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		CTX3		
OUT1B				32		33		MCLK2		PWM

On/Off
Program
GND
3.3V
VBat

Cut to separate VIN from VUSB, if using battery or external power.

VUSB

D-
D+

Use 3V coin cell for Date & Time and power management features

SD Card (4 bit SDIO)
SD Library
SD.begin(BUILTIN_SDCARD)

Teensy 4.0 signal pins are **not** 5V tolerant. Do not apply more than 3.3 volts to any pin, except VIN or VUSB.

USB Host
USBHost_t36 Library

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