Teensy ++ 2.0



Produktkode: 144aa
Tilgjengelighet: Opp til 1 mnd leveringstid
Weight: 20.00g

Pris: kr. 195,00

Kort beskrivelse

Teensy ++ 2.0 USB AVR development board AT90USB162 AT90USB1286 for arduino

Beskrivelse

Features:

Chip model AT90USB1286, the ARV the SCM software developers learn the best experimental board, Bootloader program is installed, you can download the application directly by an ordinary USB interface code, very helpful for beginners SCM
Usage: can be directly downloaded from the Internet Flip_Installer-3.4.1 software installation, use comes with usb drive, erase, programming, and checksum. Do not need to buy another burner Pleiades expensive.
Key Features:
-USB can be any type of device
-AVR processor, 16 MHz
-Single pushbutton programming
-Easy to use Teensy Loader application
-Free software development tools
-Works with Mac OS X, Linux & Windows
-Tiny size, perfect for many projects
-Available with pins for solderless breadboard
-Very low cost & low cost shipping options

Package Contents

100% Brand New
1 xTeensy ++ 2.0 USB AVR development board AT90USB162 AT90USB1286 for arduino

Tilleggsinfo

Description: The Teensy is a breadboard-friendly development board with loads of features in a, well, teensy package. The Teensy++ breaks out all of the IO available on the AT90USB1286 to breadboard-friendly 0.1" spaced headers so you can hook up a load of peripherals.

The Teensy++ comes pre-flashed with a bootloader so you can program it using the on-board USB connection: No external programmer needed! You can program the Teensy in your favorite IDE using C *or* you can install the Teensyduino add-on for the Arduino IDE and write Arduino sketches for Teensy!

Note: This does not come with a USB cable, please check below for an appropriate one.

Dimensions: 2" x 0.7" (50.8 x 17.8 mm)

Features:

- 8-Bit AVR Processor (AT90USB1286)
- 128K Flash Memory, 8K RAM, 4K EEPROM
- USB Can Emulate Any Type of Device
- Single Pushbutton Programming
- Arduino Compatible
- 8 Analog Inputs
- 46 Digital I/O Pins
- 9 PWM outputs
- SPI and I2C

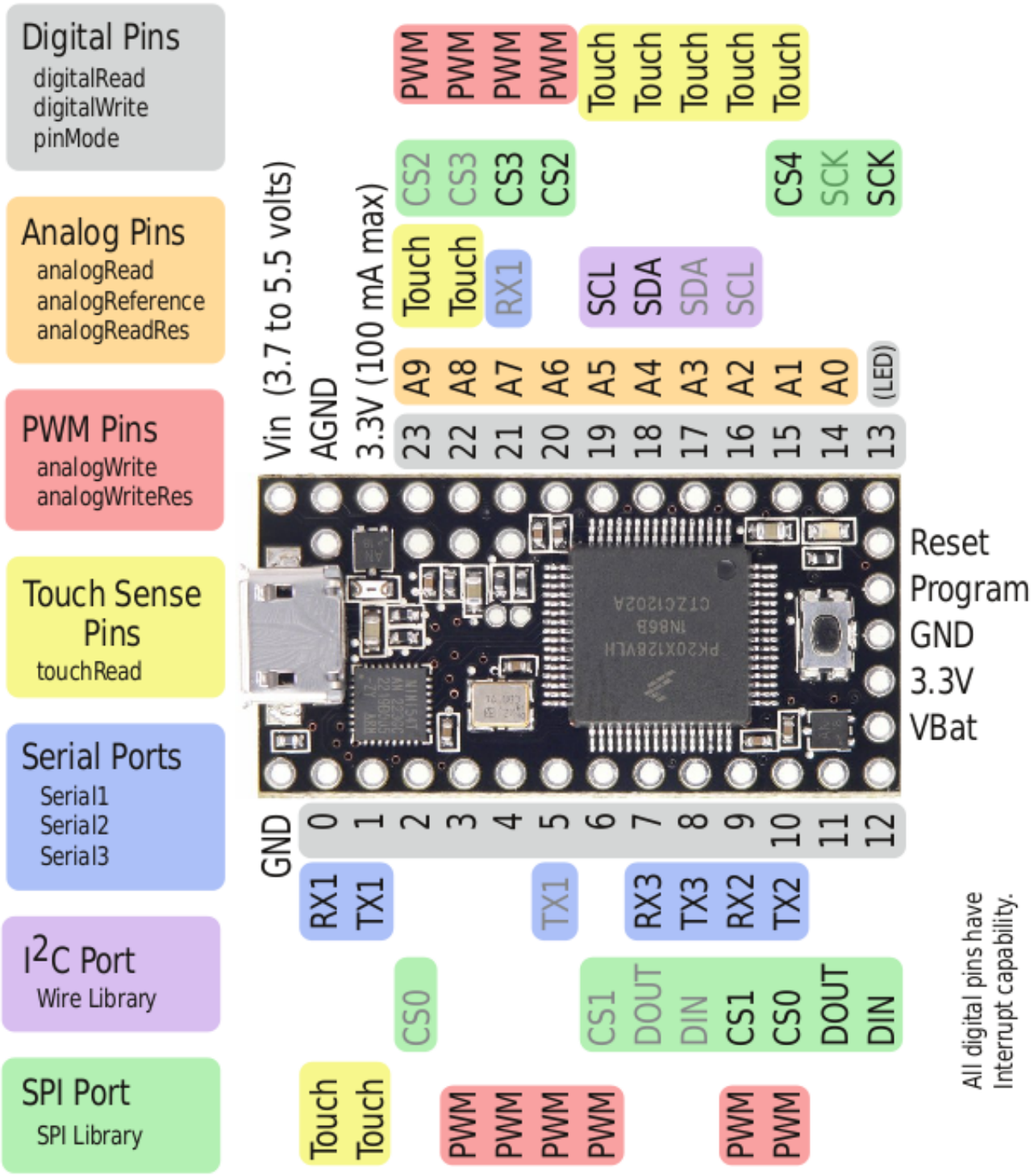
Documents:

- Schematic
- Datasheet (AT90USB1286)
- Teensy Quickstart
- Teensyduino Software
- Pin Assignment Chart
- Product Video

Teensy i Arduino IDE

Se https://www.pjrc.com/teensy/teensyduino.html for instrukser for å bruke Arduino IDE for å programmere Teeensy-kortene.

Pinout


Digital Pins
digitalRead
digitalWrite
pinMode
Analog Pins
analogRead
analogReference
analogReadRes
PWM Pins
analogWrite
analogWriteRes
Touch Sense Pins
touchRead
Serial Ports
Serial1
Serial2
Serial3
I2C Port
Wire Library
SPI Port
SPI Library
PWM PWM PWM PWM
Touch Touch Touch Touch Touch
CS2 CS3 CS3 CS2
CS4 SCK SCK
Touch Touch
RX1
SCL SDA SDA SCL
A9 A8 A7 A6 A5 A4 A3 A2 A1 A0 (LED)
23 22 21 20 19 18 17 16 15 14 13
Vin (3.7 to 5.5 volts)
AGND
3.3V (100 mA max)
Reset
Program
GND
3.3V
VBat
GND 0 1 2 3 4 5 6 7 8 9 10 11 12
RX1 TX1
TX1
RX3 TX3 RX2 TX2
CS0
CS1 DOUT DIN CS1 CS0 DOUT DIN
Touch Touch
PWM PWM PWM PWM
PWM PWM
All digital pins have Interrupt capability.