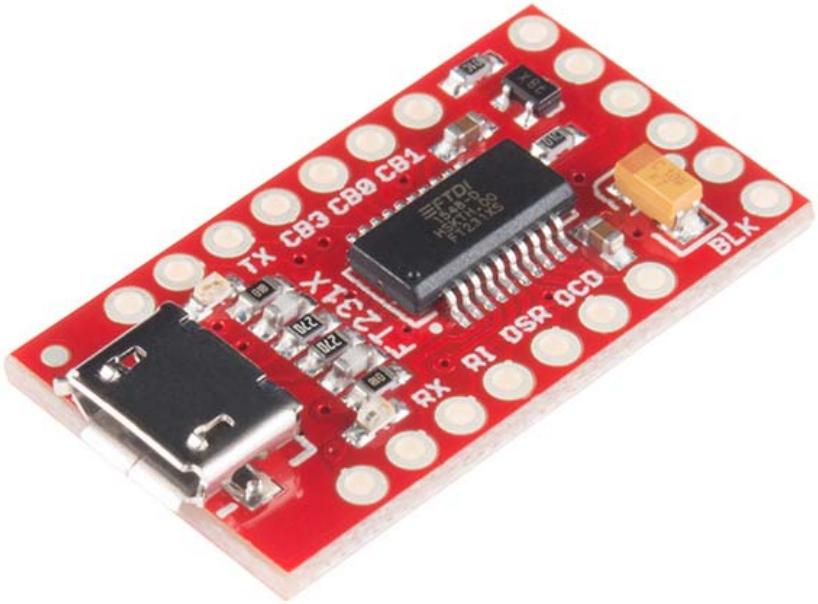
SparkFun FT231X Breakout

BOB-13263 RoHS

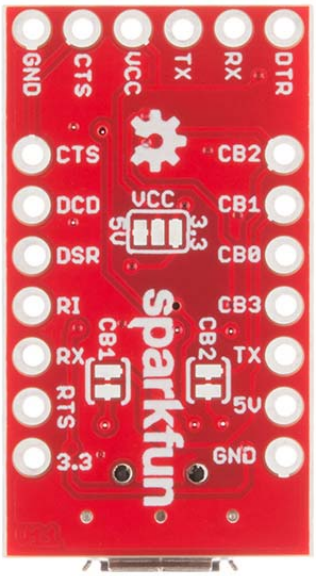


Introducing the 3.3V SparkFun FT231X Breakout board, complete with the full UART hardware handshake feature! The pin-out of this board matches the FTDI cable to work with official Arduino and cloned 3.3V Arduino boards. It can also be used for general serial applications.

This board still brings out the DTR pin as opposed to the RTS pin of the FTDI cable. The DTR pin allows an Arduino target to auto-reset when a new Sketch is downloaded. This is a really nice feature to have and allows a sketch to be downloaded without having to hit the reset button. This board will auto-reset any Arduino board that has the reset pin brought out to a 6-pin connector.

The coolest thing about the FT231X Breakout is that we have broken out ALL the pins for your use, making this board all the more hackable! It also uses a common microUSB jack.

One of the features of this board is a jumper on the back, which allows the VCC output to be configured to either 3.3V or 5V. This board ships default to 5V, but you can cut the default trace and add a solder jumper if you need to switch to 3.3V. It should be noted that the max input of the FT231X is only 3.3V, but it can operate down to 1.8V with external pull-ups and is also 5V tolerant.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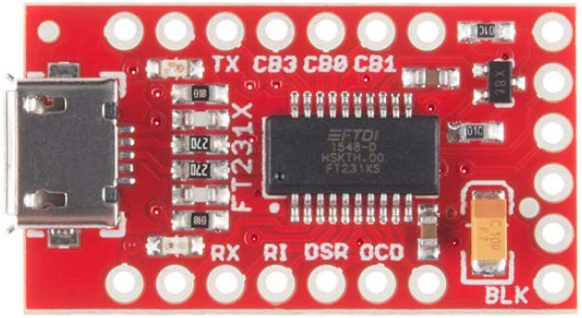
CTS
VCC
TX
RX
DTR
CTS
CB2
DCD
VCC
3.3
5V
CB1
DSR
CB0
RI
CB3
CB1
CB2
RX
TX
RTS
5V
3.3
GND
Sparkfun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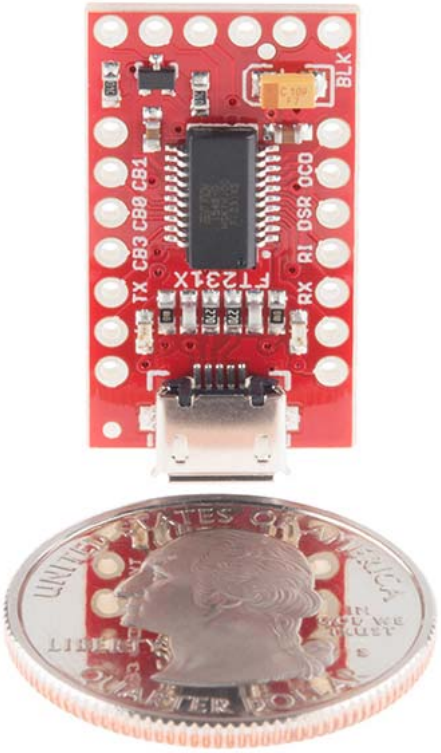
FT231X
RX RI DSR DCD
BLK


BLK
TX CB3 CB0 CB1
FT231X
RX RI DSR DCD