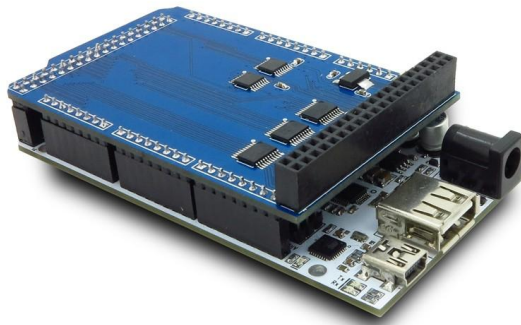


# ITDB02 Arduino MEGA shield 2.0

The ITDB02 LCD module is work in 3.3V voltage level and it's not compatible with Arduino pins, so we make a shield for Arduino MEGA. Now user can directly plug the ITDB02 in the shield and stand on the Arduino MEGA board.



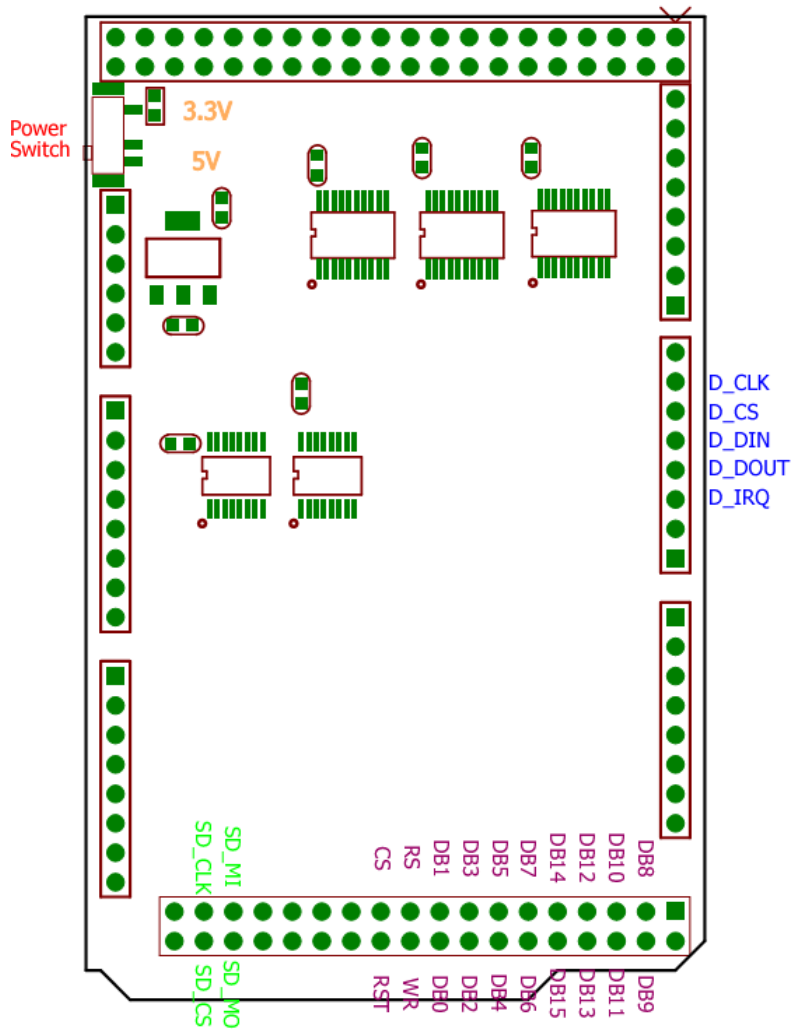
## Overview

The ITDB02 MEGA shield V2.0 is on supports both 16 bit mode with ITDB02, you can use 2.4" or 3.2" with touch and SD card at the same time.

## Basic features

- Arduino MEGA compatible.
- Touch or SD card expand
- Arduino Library support

# Hardware



Pin of Arduino	With ITDB02	
3V3	LED_A	RD
5V	VCC	
GND	GND	
D22(PA0)	DB8	-
D23(PA1)	DB9	-
D24(PA2)	DB10	-
D25(PA3)	DB11	-
D26(PA4)	DB12	-
D27(PA5)	DB13	-
D28(PA6)	DB14	-
D29(PA7)	DB15	-
D37(PC0)	DB0	-

D36(PC1)	DB1	-
D35(PC2)	DB2	-
D34(PC3)	DB3	-
D33(PC4)	DB4	-
D32(PC5)	DB5	-
D31(PC6)	DB6	-
D30(PC7)	DB7	-
D41(PG0)	RESET	-
D40(PG1)	CS	-
D39(PG2)	WR	-
D38(PD7)	RS	-
D50(PB3)	SD_OUT	-
D51(PB2)	SD_IN	-
D52(PB1)	SD_CLK	-
D53(PB0)	SD_CS	-
D6	D_CLK	-
D5	D_CS	-
D4	D_IN	-
D3	D_OUT	-
D2	D_IRQ	-

## Links and References

- ITead Studio Site: [iteadstudio.com](http://iteadstudio.com)
- UTFT Library: <http://henningkarlsen.com/electronics/library.php?id=51>

## Revision History

Rev.	Description	Release date
v1.0	Initial version	2012-05-21
V1.1	Fix a description error	2012-06-19