Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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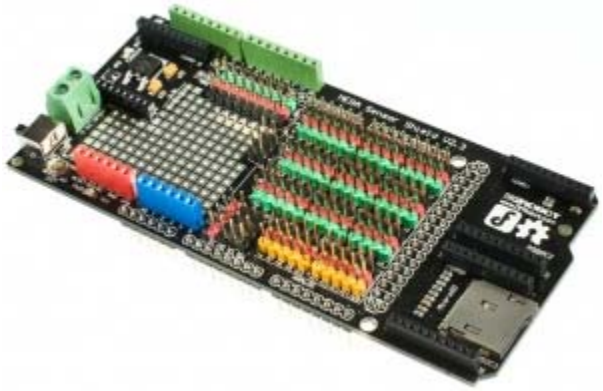
Mega IO Expansion Shield V2.3 (SKU:DFR0165)



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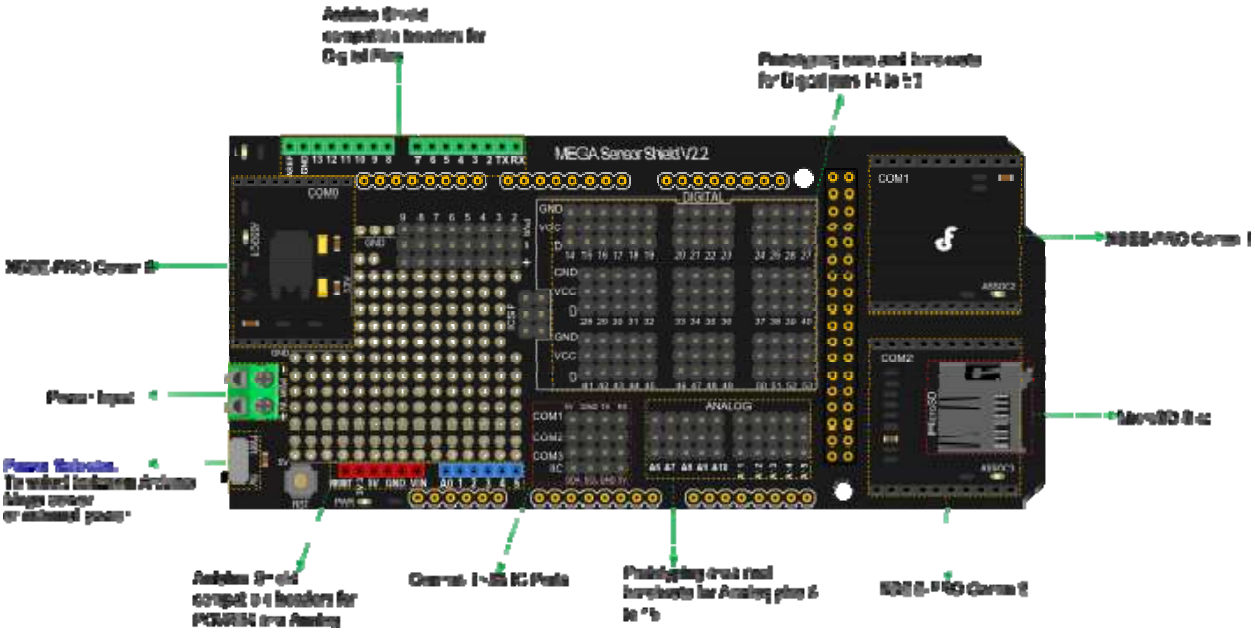
Introduction

This is version 2.3 of the Mega IO Expansion shield. This shield is extra large and includes 3 Xbee slots, 1 microSD slot, Arduino shield headers to plugin most Arduino shields. It also includes a prototyping area and breakouts for Digital pins 14 to 53, Analog pins 6 to 15 and PWM pins 2 to 9. This shield can be a major communications hub for your projects.

Specification

- support most of the arduino shield
- compatible with the Arduino Mega boards/DFRobot ADK/Arduino ADK
- Extended TTL connection pins for four Serial ports
- DIP prototyping area makes it easy to add more chips or electronic components
- 3 Xbee slots (check the PIN numbers on the board to know the orientation of the Xbee module)
- 1 microSD slot
- power selector to select between Arduino Mega power or external power
- Size:125 x 57 mm

PinOut



Instruction for Digital Pins of the Shield		
Pin	**Function**	**Application**
D50	MISO	SPI Interface
D51	MOSI	SPI Interface
D52	SCK	SPI Interface
D53	SS	SPI Interface
D1	TX0	Serial 0
D0	RX0	Serial 0
D18	TX1	Serial 1
D19	RX1	Serial 1
D16	TX2	Serial 2
D17	RX2	Serial 2

D14	TX3	Serial 3
D15	RX3	Serial 3
D20	SDA	IIC Interface
D21	SCL	IIC Interface
D4	PG5_SS	D4 is used when use MicroSD
D13	LED	digital pin

Trouble shooting

More question and cool idea,visit DFRobot Forum

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