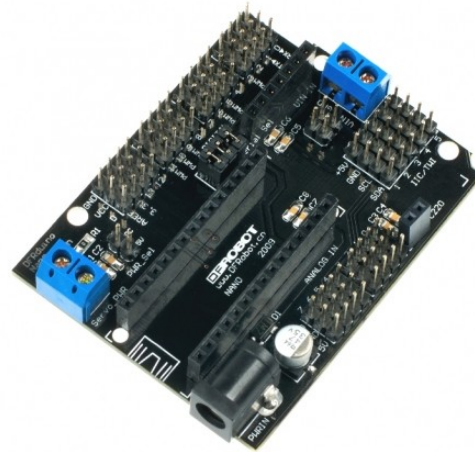
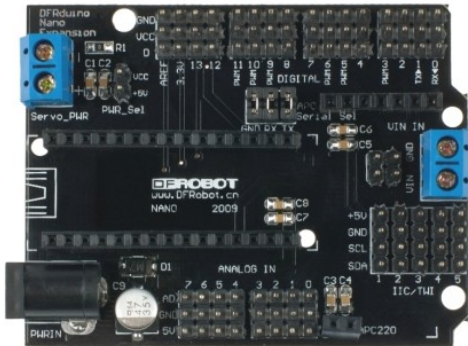


DFRobot

Nano I / O Shield For Arduino Nano DFR0012



Introduction

The Arduino Nano I/O Shield acts as a breakout board for the Arduino Nano and DFRduino Nano microcontrollers. There are several different options for power input and the footprint of the DFRduino board is the same as the Arduino Duemilanove. In addition, each pinout includes 5V and GND pins for easy connection to sensors or servos. Unit comes fully assembled. The board also has a space specifically for the DFRobot bluetooth module.

NOTE: This shield only support Nano 2.0/2.3. There is small issue with latest v3.0 Nano on IO Shield. [Check out this link.](#)

Specification

- Power supply: +5 V
- Size: 69x54mm

Documents

- [Manual](#)

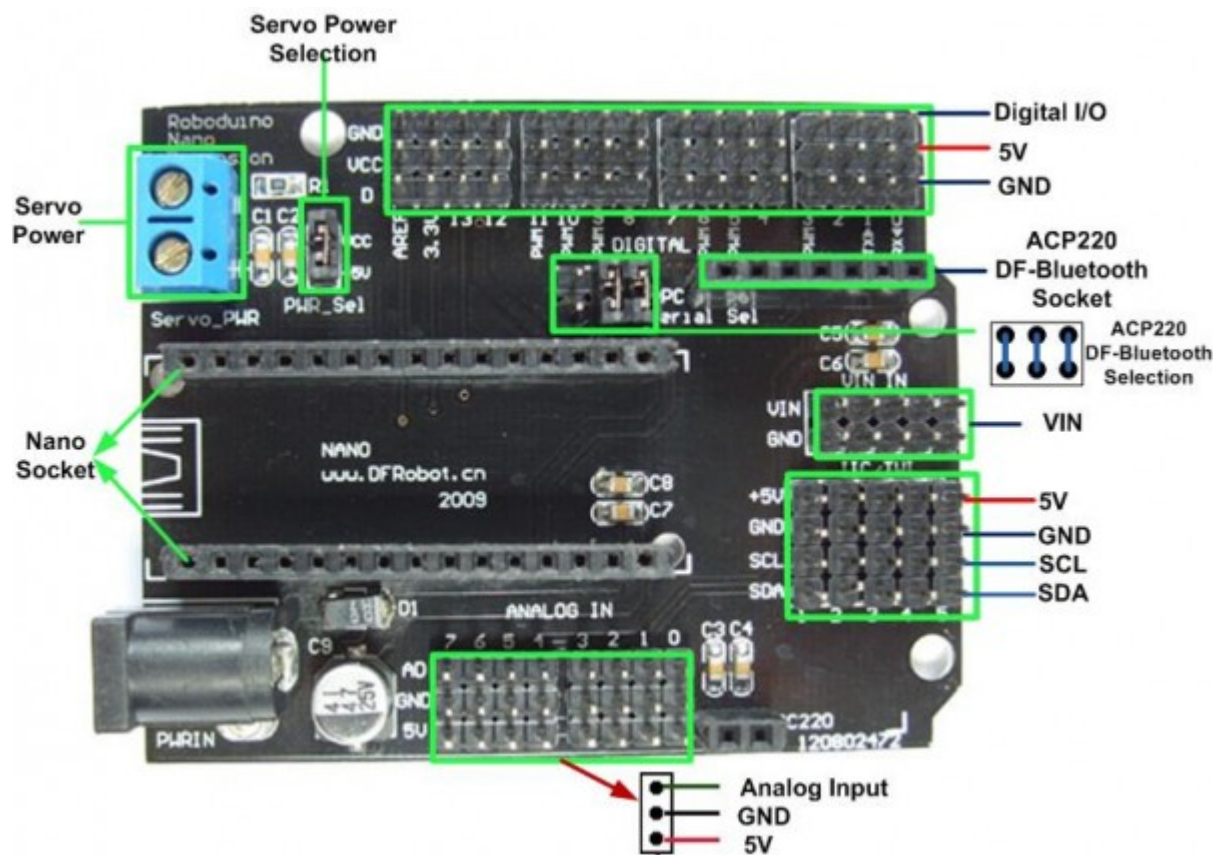
Introduction



Arduino Nano IO Shield (SKU: DFR0012)

The *Nano IO Shield* extends the Digital I/O with Power and GND Pins. A communication module socket provides an easy way to integrate [APC220 Radio Data Module\(SKU:TEL0005\)](#) and [DF-BluetoothV3 Bluetooth module \(SKU:TEL0026\)](#) which brings a wireless solution. A separate set of I2C pins make the I2C device connection.

Diagram



Arduino Nano IO Shield

Sample Code

Not available

Compatible Table

	Diecimila	Duemilanove	Mega	Nano	Romeo
IO Shield	Yes	Yes	Yes	No	No
Motor Shield	Yes	Yes	Yes	No	No
Ethernet Shield	No	Yes	No	No	Yes
LCD&Keypad Shield	Yes	Yes	Yes	No	No
Input Shield	Yes	Yes	Yes	No	Yes
XBee Shield	Yes	Yes	Yes	No	Yes
Nano IO Shield	No	No	No	Yes	No

Stackable Table

Shield Name	Stackable
IO Shield	Yes
Motor Shield	Yes
Ethernet Shield	Yes
LCD&Keypad Shield	No
Input Shield	No
XBee Shield	No
Nano IO Shield	No

Control Pin Table

Shield Name	Control Pin	
IO Shield	None	
Motor Shield	6,7,8(5),9(4)	
Ethernet Shield	10,11,12,13	
LCD&Keypad Shield	Digital Pin: 4,5,6,7,8,9,10 Analog Pin: 0	
Input Shield	Digital Pin:3,4,5 Analog Pin: 0,1	
XBee Shield	0,1	
Nano IO Shield	None	
Revision	Date	Comments
1.0	20 August 2009	First Release
1.1	2nd September 2009	Add LCD pin out Diagram
1.2	14th November 2009	Modify Motor shield Pin allocation
1.3	24th December 2009	Modify Motor shield code
1.4	28th December 2009	Add Input Shield Code
1.41	7th April 2010	Add motor power supply information
1.5	25th May 2010	Add motor shield L298N

