

V5 Sensor Expansion Shield

Introduction

The V5 sensor shield is very useful as a connection point for the many interfaces you can plug into the Arduino. Using just the Arduino, you very quickly run out 0V and +5V connections for your sensors. Using a sensor shield gives you one +5V (Vcc) and one 0V (Gnd) for every Arduino signal pin.

Sensor Shield V5

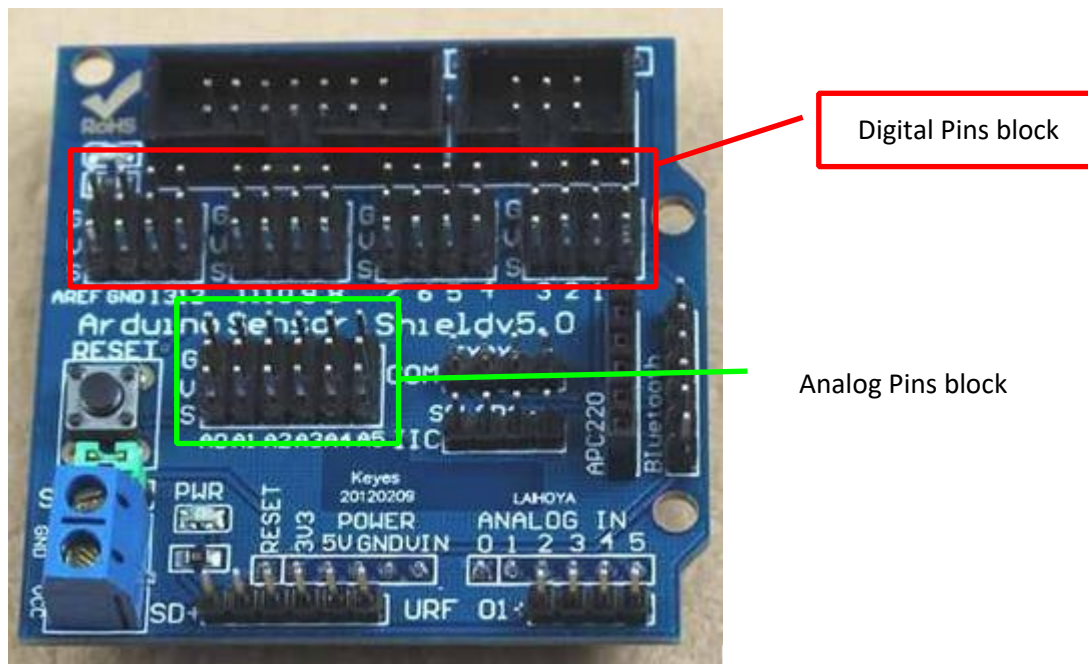


Figure 1: Sensor Shield V5.0

Digital Pins

The pins are arranged in stacks of 3:

Top = Gnd (0V)

Middle = Vcc(+5V)

Bottom = Signal (Arduino Digital Signal Pin No.)

The pins are sequenced from right to left clearly marked on the board:

G			Gnd	Gnd	Gnd	Gnd	Gnd	Gnd	Gnd	Gnd	Gnd	Gnd	Gnd	Gnd	Gnd	
V			Vcc	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc	
S	Aref	Gnd	13	12	11	10	9	8	7	6	5	4	3	2	1	0

Analog Pins

The pins are arranged in stacks of 3:

Top = **Gnd** (0V)

Middle = **Vcc**(+5V)

Bottom = **Signal** (Arduino Analog Signal Pin No.)

The pins are sequenced from left to right clearly marked on the board:

G	Gnd	Gnd	Gnd	Gnd	Gnd	Gnd
V	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc
S	A0	A1	A2	A3	A4	A5

