ITEAD Joystick Shield

- Joystick and buttons input for Arduino

Overview

Joystick shield can sits on top of your Arduino and turns it into a simple controller. It has a joystick with button and another 6 buttons. Double operation level compatible feature is very easy to use for Arduino compatible board, Iteadmaple or IFLAT-32.
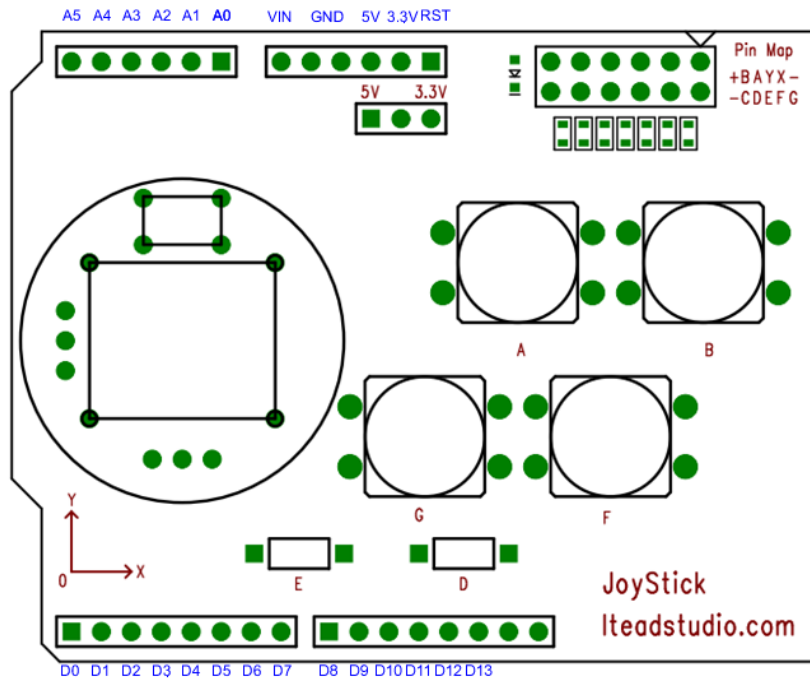
Specifications

PCB size	53.3mm X 68.6mm X 1.6mm
Power supply	5V/3.3V DC
RoSH	Yes

Electrical Characteristics

Specification		Min	Type	Max	Unit
Power Voltage		3	5	5.5	VDC
Input Voltage VH	Target Voltage = 3.3V	3	3.3	3.6	V
	Target Voltage = 5V	4.5	5	5.5	
Input Voltage VL:		−0.3	0	0.5	V
Current Consumption		–	20	40	mA

Hardware

Pins description

Pin	OUTPUT type	Description
D0	NA	No Connection
D1	NA	No Connection
D2	NA	No Connection
D3	Digital	Button E Output
D4	Digital	Button D Output

D5	Digtal	Button C Output
D6	Digital	Button B Output
D7	Digital	Button A Output
D8	Digital	Button F Output
D9	Digital	Button G Output
D10	NA	No Connection
D11	NA	No Connection
D12	NA	No Connection
D13	NA	No Connection
A0	Analog	Joystick X Output
A1	Analog	Joystick Y Output
A2	NA	No Connection
A3	NA	No Connection
A4	NA	No Connection
A5	NA	No Connection

NA: No application

Digital: the output voltage of HIGH status depends on the voltage selection jumper.

Analog: the max output voltage depends on the voltage selection jumper.

Jumper description

Switch	Description
+3.3V	Work with 3.3V system, like IFLAT32, Iteadmaple
+5V	Work with 5V system, like Arduino, Iteaduino,

Pin map description

Pin map is an interface for other application not Arduino compatible board. It is a 6*2 male breakout interface and the description is as the next list.

VCC	B OUTPUT	A OUTPUT	Y OUTPUT	X OUTPUT	GND
GND	C OUTPUT	D OUTPUT	E OUTPUT	F OUTPUT	G OUTPUT

The mark block is fix to the pin 1.

Revision History

Rev.	Description	Release date
v1.0	Initial version	2011-9-25