Joystick Shield for Arduino Uno/Mega

Arduino Joystick Shield contains all the parts you need to enable your Arduino with a joystick control! The shield sits on top of your Arduino and turns it into a simple controller. Seven momentary push buttons (6+ joystick select button) and a two-axis thumb joystick gives your Arduino functionality on joystick application.
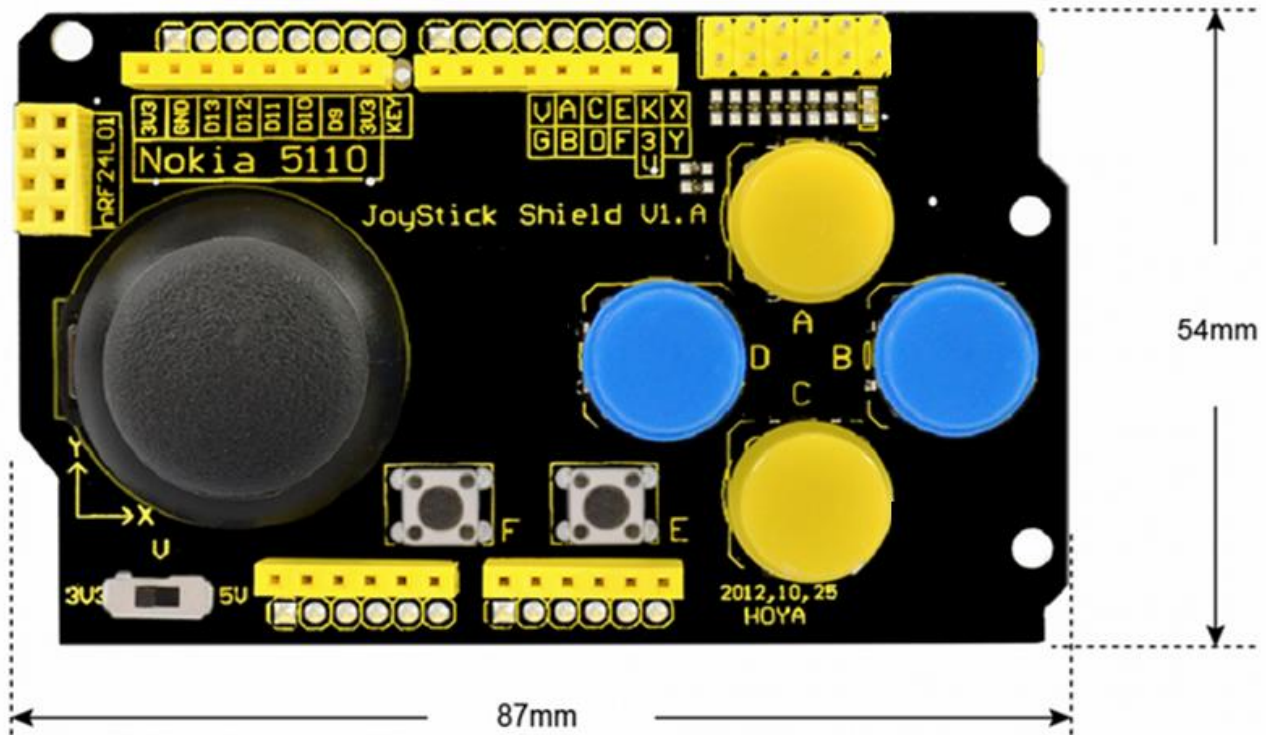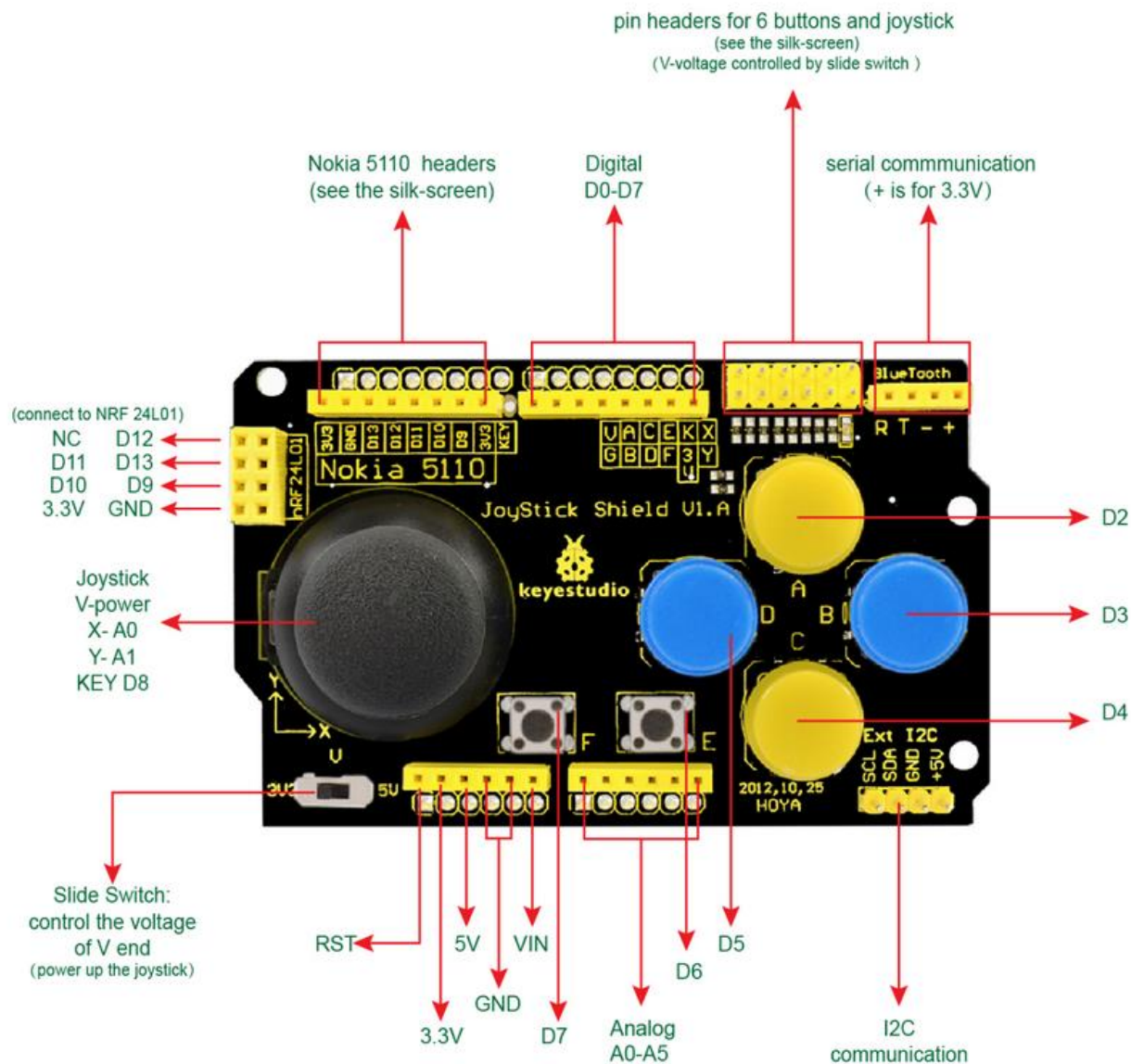

SKU: MDU1142

Brief Data:

- Arduino Uno/Mega Compatible Shield.
- Operating Voltage: 3.3 & 5V.
- Supports both 3.3v and 5.0V Arduino platforms.
- A slide switch lets user select voltage system.
- 7-Momentary Push buttons (6+ joystick select button).
- Two Axis Joystick.
- Additional Ports / Headers for Nokia 5110 LCD, NRF24L01 Communication module.

Mechanical Dimension:

Unit: mm

Functional Block Diagram:

pin headers for 6 buttons and joystick
(see the silk-screen)
(V-voltage controlled by slide switch)

Nokia 5110 headers
(see the silk-screen)

Digital
D0-D7

serial commmunication
(+ is for 3.3V)

(connect to NRF 24L01)
NC   D12
D11   D13
D10   D9
3.3V GND

Nokia 5110

JoyStick Shield V1.A

keyestudio

Joystick
V-power
X- A0
Y- A1
KEY D8

D2

D3

D4

Ext I2C
SCL SDA GND +5V

2012,10,25
HOYA

Slide Switch:
control the voltage
of V end
(power up the joystick)

RST   5V   VIN

GND

3.3V   D7

D5

D6

Analog
A0-A5

I2C
communication

Web Resources:

- https://wiki.keyestudio.com/Ks0153_keyestudio_JoyStick_Shield
- https://www.allaboutcircuits.com/projects/level-up-arduino-joystick-shield-v2.4/
- https://artofcircuits.com/product/arduino-gamepad-joystick-shield-1

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