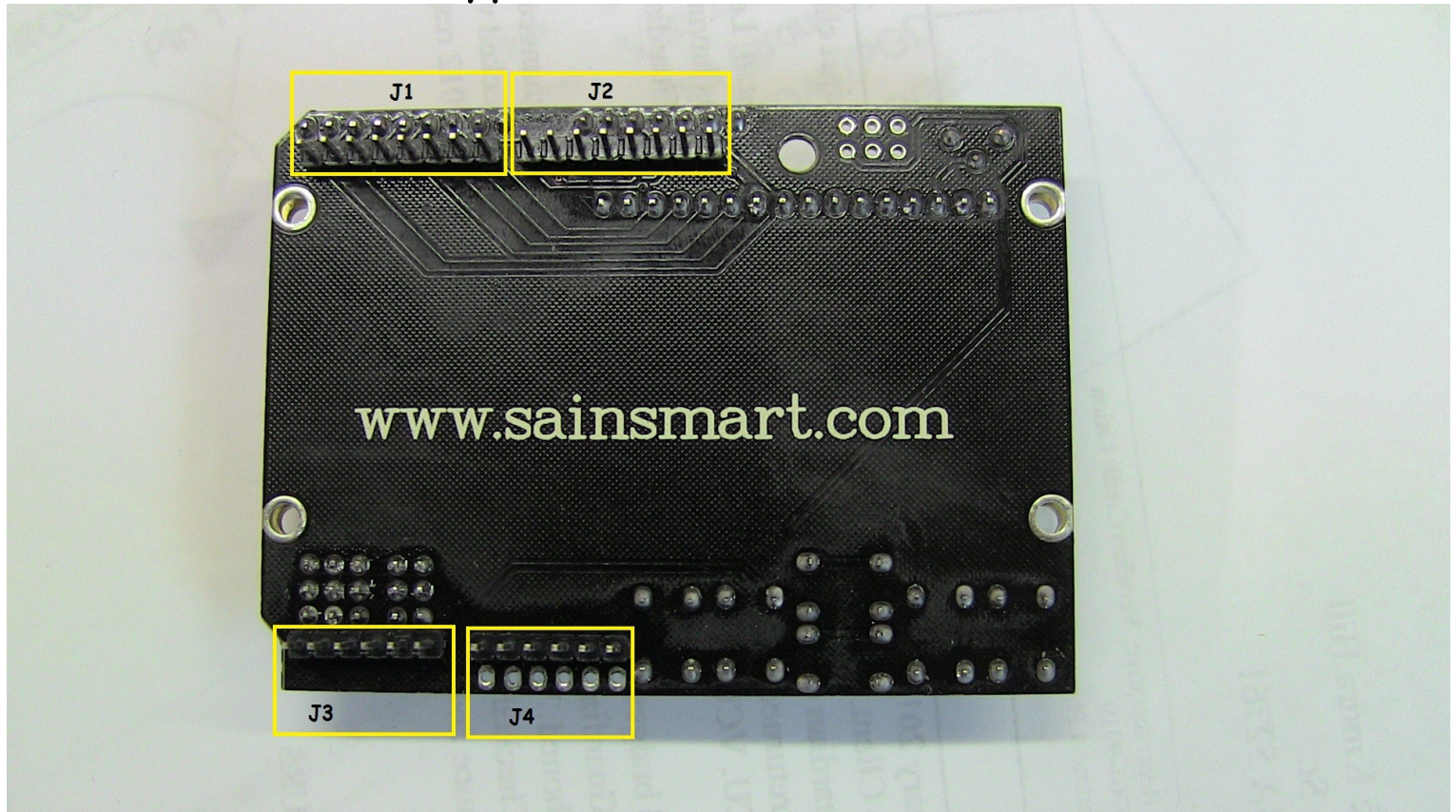


# Sain Smart LCD-Keypad Shield v1.0 Back - Connector Pinout



## Connector Pins Listed From Left to Right

### Connector J1

Shield	Arduino
1	D0
2	D1
3	D2
4	D3
5	D4
6	D5
7	D6
8	D7

### Connector J2

Shield	Arduino
1	D8
2	D9
3	D10
4	D11
5	D12
6	D13
7	Gnd
8	Aref

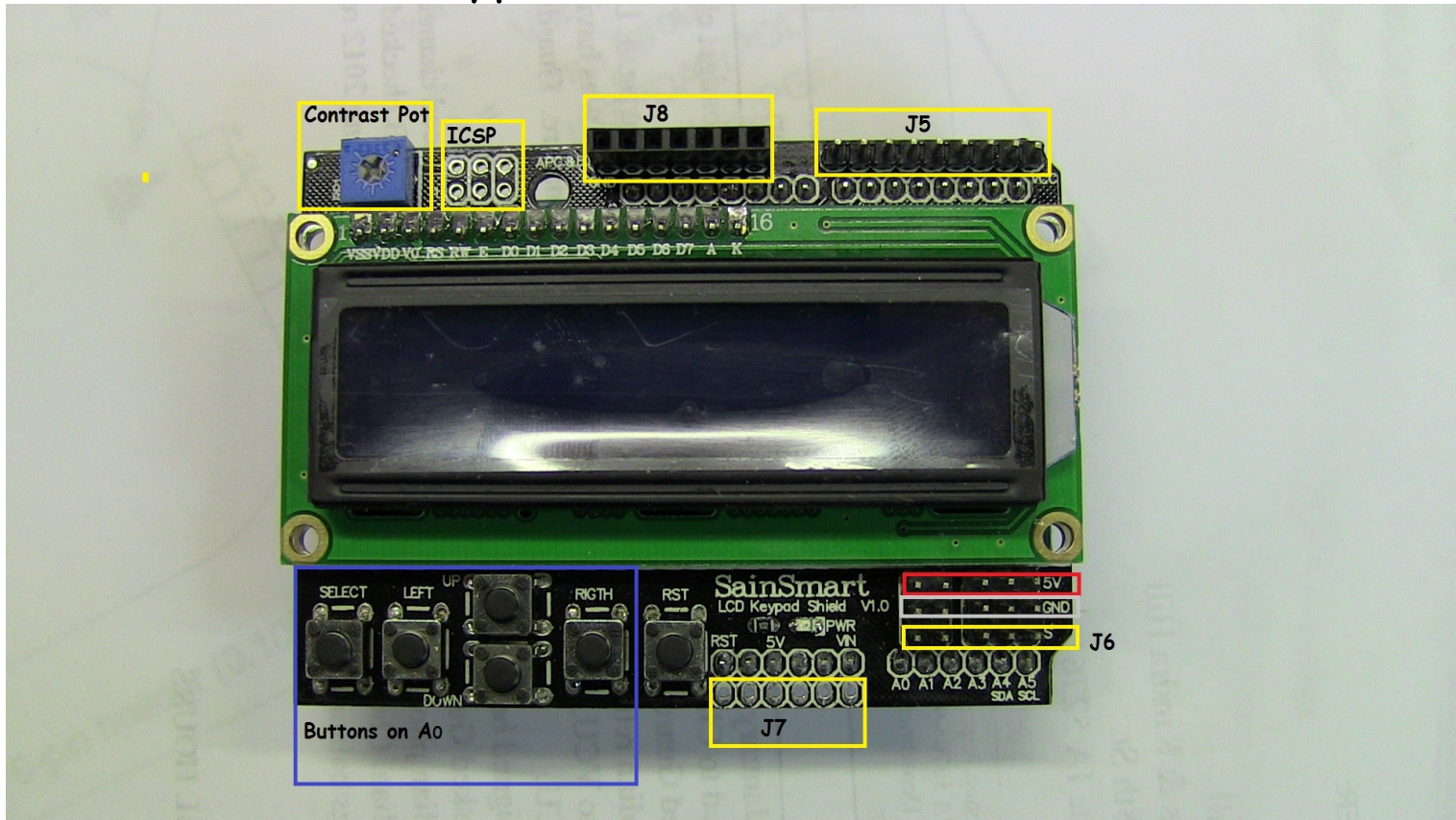
### Connector J3

Shield	Arduino
1	A5
2	A4
3	A3
4	A2
5	A1
6	A0

### Connector J4

Shield	Arduino
1	Vin
2	Gnd
3	Gnd
4	5V
5	3.3V
6	Rst

# Sain Smart LCD-Keypad Shield v1.0 Front - Connector Pinout



## Connector Pins Listed From Left to Right

### Connector J5

Shield	Arduino
1	D13
2	D12
3	D11
4	D3
5	D2
6	D1
7	D0
8	Gnd
9	5V

### Connector J6

Shield	Arduino
1	A1
2	A2
3	A3
4	A4
5	A5

### LCD Pins

Shield	Arduino
Vss	Gnd
Vdd	5V
Vo	Contrast Pot
RS	D8
RW	Gnd
E	D9
D0	N/C
D1	N/C
D2	N/C
D3	N/C

### Connector J7

Shield	Arduino
1	Rst
2	3.3V
3	5V
4	Gnd
5	Gnd
6	Vin

### Connector J8

Shield	Arduino
1	Gnd
2	5V
3	N/C
4	D1
5	D0
6	N/C
7	N/C

D4	D4
D5	D5
D6	D6
D7	D7
A	5V
K	D10 (Turn on/off backlight)

## ICSP ( Left to Right – Top to Bottom)

Pin 2: Vcc/5V	Pin 4: D11/MOSI	Pin 6: Gnd
Pin 1: D12/MISO	Pin 3: D13/SCK	Pin 5: Rst