nw2s::b2/dsp
panel pin diagram
v0.3

OLED INTERFACE

VSS - GND
VDD - 3.3V
VDD SELECTOR (3.3V SELECT) - GND
UNUSED - GND
UNUSED - GND
UNUSED - GND
I2C SDA
I2C SCL
UNUSED - GND
UNUSED - GND
UNUSED - GND
UNUSED - GND
UNUSED - GND
/CHIP SELECT - GND
/RESET - 3.3V
INTERFACE SELECT 0 - GND
INTERFACE SELECT 1 - 3.3V
INTERFACE SELECT 2 - GND
VSS - GND

SWITCHES

SWITCH 1 LED	SWITCH 1
SWITCH 2 LED	SWITCH 2
SWITCH 3 LED	SWITCH 3
SWITCH 4 LED	SWITCH 4
SWITCH 5 LED	SWITCH 5
SWITCH 6 LED	SWITCH 6

LED GROUP 1

LED PWM 2	LED PWM 1
LED PWM 4	LED PWM 3
LED PWM 6	LED PWM 5
LED PWM 8	LED PWM 7
LED PWM 10	LED PWM 9
LED PWM 12	LED PWM 11
LED PWM 14	LED PWM 13
LED PWM 16	LED PWM 15

ANALOG OUTPUTS

ANALOG OUT 2	ANALOG OUT 1
ANALOG OUT 4	ANALOG OUT 3
ANALOG OUT 6	ANALOG OUT 5
ANALOG OUT 8	ANALOG OUT 7
ANALOG OUT 10	ANALOG OUT 9
ANALOG OUT 12	ANALOG OUT 11
ANALOG OUT 14	ANALOG OUT 13
ANALOG OUT 16	ANALOG OUT 15

DIGITAL OUT / ANALOG-DIGITAL IN

DIGITAL OUT 2	DIGITAL OUT 1
DIGITAL OUT 4	DIGITAL OUT 3
DIGITAL OUT 6	DIGITAL OUT 5
DIGITAL OUT 8	DIGITAL OUT 7
INPUT 2	INPUT 1
INPUT 4	INPUT 3
INPUT 6	INPUT 5
INPUT 8	INPUT 7

LED GROUP 2

LED PWM 18	LED PWM 17
LED PWM 20	LED PWM 19
LED PWM 22	LED PWM 21
LED PWM 24	LED PWM 23
LED PWM 26	LED PWM 25
LED PWM 28	LED PWM 27
LED PWM 30	LED PWM 29
LED PWM 32	LED PWM 31

SWITCH 1
SWITCH 2
SWITCH 3

ENCODER

POT 1
POT 2
POT 3

SWITCH 4
SWITCH 5
SWITCH 6

INPUT 1
INPUT 2

DIGITAL OUT 1
DIGITAL OUT 2
ANALOG OUT 1
ANALOG OUT 2

DIGITAL OUT 3
DIGITAL OUT 4
ANALOG OUT 3
ANALOG OUT 4

DIGITAL OUT 5
DIGITAL OUT 6
ANALOG OUT 5
ANALOG OUT 6

DIGITAL OUT 7
DIGITAL OUT 8
ANALOG OUT 7
ANALOG OUT 8

INPUT 1
INPUT 2
ANALOG OUT 9
ANALOG OUT 10

INPUT 3
INPUT 4
ANALOG OUT 11
ANALOG OUT 12

INPUT 5
INPUT 6
ANALOG OUT 13
ANALOG OUT 14

INPUT 7
INPUT 8
ANALOG OUT 15
ANALOG OUT 16

USB 2
USB 1

SERIAL AND POWER

I2C SDA
USB1 D+
USB2 D+
ENCODER A
ENCODER SWITCH
POT 2
3.3V SUPPLY
5V SUPPLY
I2C SCL
USB1 D-
USB2 D-
ENCODER B
POT 1
POT 3
3.3V SUPPLY
5V SUPPLY

GROUND

GND
GND
GND
GND
GND
GND
GND
GND
GND
GND