NIRYO
Robotics for Everyone

NiryoShield Pin Map

XL-320 Connection | XL-430 Connection | NiryoStepper Connection | Reset Button Connection | Power 12V

7.8V GND | 12V GND DLX-Data | GND 12V | GND | 12V GND

DLX-Data

CAN H
CAN L

74LS | CAN Bus

Fan Connection

3 x FAN connections

PWM 1
PWM 2

UART | SPI

12V

Raspberry PI 3

5V

5V

Ethernet | 2 x USB | 2 x USB

Pin#	Name	1	2	Name	Pin#
01	7.6V DC Power			7.6V DC Power	02
03	DLX-Data			IO18	04
05	12V DC Power			12V	06
07	12V DC Power			IO22	08
09	12V DC Power			NC	10
11	IO24			CANL	12
13	GND			CANH	14
15	GND			NC	16
17	GND			NC	18
19	GND			NC	20
21	5V DC Power			NC	22
23	5V DC Power			NC	24
25	IO2 SDA			IO6	26
27	IO3 SCL			IO19	28
29	IO16			IO26	30

1 ... 29
2 ... 30

CANH CAN L GND 12V | GND 7.8V DLX-Data1 | GND 12V | GND 5V 1A(IO2) 1B(IO3) 1C (IO16)

CANH CAN L GND 12V | GND 7.8V DLX-Data2 | GND 12V | GND 5V 2A(IO26) 2B(IO19) 2C(IO6)