NiryoShield Pin Map

Pin#	Name	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

NIRYO — Robotics for Everyone

XL-320 Connection — 7.6V GND
XL-430 Connection — 12V GND DLX-Data
NiryoStepper Connection — GND 12V
Reset Button Connection — GND
Power 12V — 12V GND

Fan Connection
3 x FAN connections
PWM 1, PWM 2
74LS — UART
CAN Bus — SPI
CAN H, CAN L, Reset, DLX-Data
7.6V
5V
Raspberry PI 3
Ethernet
2 x USB
2 x USB

CANH CANL GND 12V
GND 7.6V DLX-Data1
GND 12V
GND 5V 1A(IO2) 1B(IO3) 1C(IO16)
CANH CANL GND 12V
GND 7.6V DLX-Data2
GND 12V
GND 5V 2A(IO26) 2B(IO19) 2C(IO6)