LEGO EV3 Intelligent Brick Connection

DrivingMotor

SteeringMotor

UsbToLaptop

LEGO EV3 Intelligent Brick

Port A | Port B | Port C | Port D | USB

Port 1 | Port 2 | Port 3 | Port 4

Pixy2Camera

Multiplexer

ColourSensor

Pixy2Camera

Pixy2 Connection

Analog
Ground
Ground
Power
I2C Clock
I2C Data

EV3 Port 1 & 3

UART Rx | 5V
SCK | UART Tx
I2C SCL | GND
SPI SS | Analog
I2C SDA | Vin
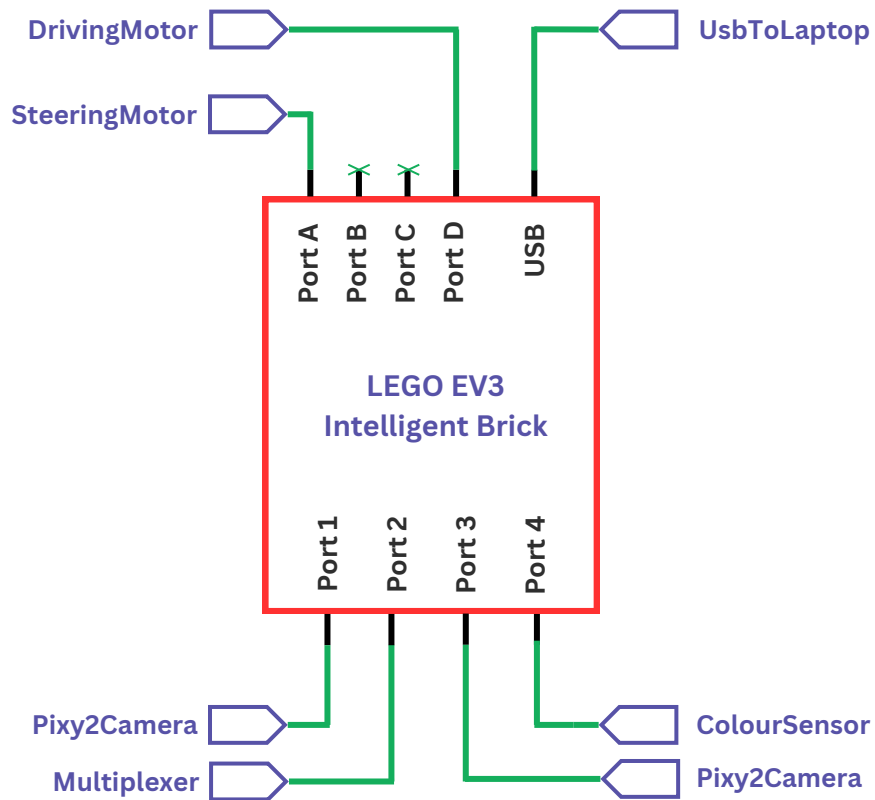
Pixy2 Connector
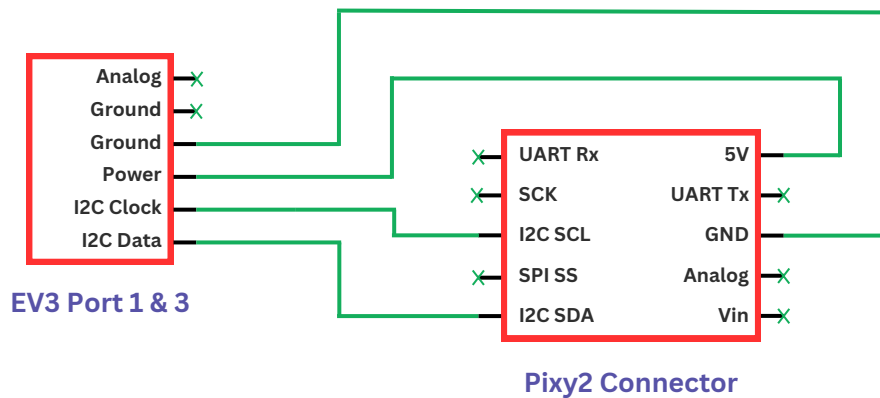
Multiplexer Connection

EV3 Port 2 — **Host** | **C3** — GyroSensor

Multiplexer

LeftUltrasonicSensor — **C1** | **C2** — RightUltrasonicSensor