

pros::ADIPort

```
classDiagram
    class prosADIPort["pros::ADIPort"]
    class prosADIAnalogIn["pros::ADIAnalogIn"]
    class prosADIAnalogOut["pros::ADIAnalogOut"]
    class prosADIDigitalIn["pros::ADIDigitalIn"]
    class prosADIDigitalOut["pros::ADIDigitalOut"]
    class prosADIEncoder["pros::ADIEncoder"]
    class prosADIGyro["pros::ADIGyro"]
    class prosADIMotor["pros::ADIMotor"]
    class prosADIUltrasonic["pros::ADIUltrasonic"]

    prosADIPort <|-- prosADIAnalogIn
    prosADIPort <|-- prosADIAnalogOut
    prosADIPort <|-- prosADIDigitalIn
    prosADIPort <|-- prosADIDigitalOut
    prosADIPort <|-- prosADIEncoder
    prosADIPort <|-- prosADIGyro
    prosADIPort <|-- prosADIMotor
    prosADIPort <|-- prosADIUltrasonic
```

The diagram illustrates a class hierarchy where `pros::ADIPort` is the base class. It is inherited by eight derived classes: `pros::ADIAnalogIn`, `pros::ADIAnalogOut`, `pros::ADIDigitalIn`, `pros::ADIDigitalOut`, `pros::ADIEncoder`, `pros::ADIGyro`, `pros::ADIMotor`, and `pros::ADIUltrasonic`. The inheritance is represented by a vertical dotted line with an arrowhead at the top pointing to the base class, and horizontal dotted lines connecting each derived class to this central line.

pros::ADIAnalogIn

pros::ADIAnalogOut

pros::ADIDigitalIn

pros::ADIDigitalOut

pros::ADIEncoder

pros::ADIGyro

pros::ADIMotor

pros::ADIUltrasonic