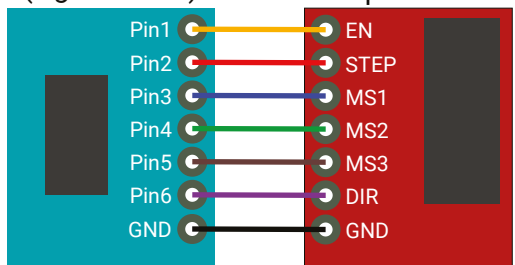


a

Low-level hardware control

Microcontroller
(e.g. Arduino)

ControlPump.ino

```
(...)

void loop () {

    //Pulse with a 4s period
    //by toggling STEP input

    digitalWrite (Pin2, HIGH);
    delay (2000);
    digitalWrite (Pin2, LOW);
    delay (2000);
}
```

b

Hybrid control

TTL Source



Pump controller

Configuration

Events

- ☒ Step state
- ☒ Direction state
- ☒ Switch forward state
- ☒ Switch reverse state
- ☒ Input state
- ☒ Protocol state

Protocol

Protocol direction

Reverse ▾

Protocol type

Step ▾

Number of steps

15

Step period [ms]

10

Input/Output

Digital input

Use as a pure digital input ▾

Digital output 0

Digital output controlled by software ▾

Digital output 1

Digital output controlled by software ▾

Other

Motor microstep

Full step ▾

c

Software control

Pump
Commands

SyringePump



PumpEvents



KeyDown

SyringePump.
Enable
ProtocolPayloadPump
Commands