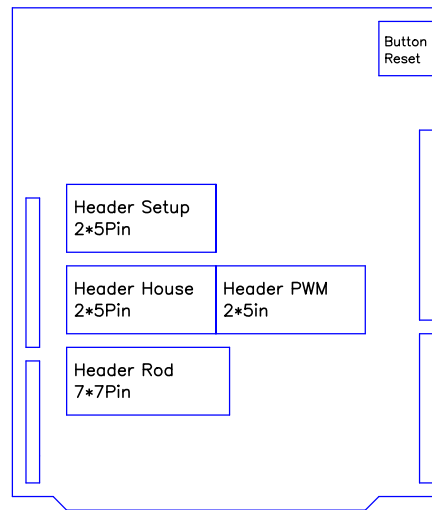


# Overview Arduino CPPS Shield



Arduino CPPS Shield  
CPPS

Overview

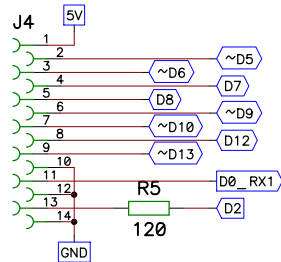
HAUTE ECOLE VALAISANNE

|     |                       |             |
|-----|-----------------------|-------------|
| DES | September 2010        | Arno Silvan |
| REV | V1.0                  |             |
| 1/3 | ArduinoCPPSShield.sch |             |

# Further Connection

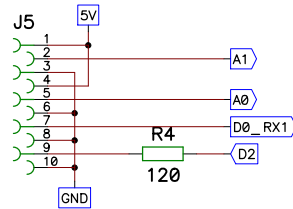
Blue Led Calculation  
 $U_{led} = 3.8V$   
 $I_{led} = 10mA$   
 $R = (5V - 3.8V) / 10mA = 120\ \Omega$

## Panel 1 Rod



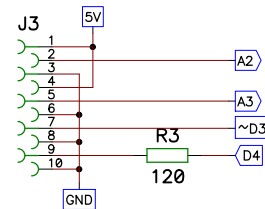
1 = 5V  
 2 = D5 = Pot Pin 1  
 3 = D6 = Pot Pin 2  
 4 = D7 = Pot Pin 3  
 5 = D8 = Pot Pin 4  
 6 = D9 = Pot Pin 5  
 7 = D10 = Pot Pin 6  
 8 = D12 = Pot Pin 7  
 9 = D13 = Pot Pin 8  
 10 = Gnd  
 11 = D0 = Button Start  
 12 = Gnd  
 13 = D2 = Led Start  
 14 = Gnd

## Panel 2 House



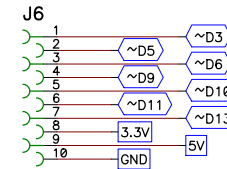
1 = 5V  
 2 = A1 = Pot Frequency  
 3 = Gnd  
 4 = 5V  
 5 = A0 = Pot Amplitude  
 6 = Gnd  
 7 = D0 = Button Start  
 8 = Gnd  
 9 = D2 = Led Start  
 10 = Gnd

## Panel 3 Setup



1 = 5V  
 2 = A2 = Pot Frequency  
 3 = Gnd  
 4 = 5V  
 5 = A3 = Pot Frequency  
 6 = Gnd  
 7 = D3 = Button Setup  
 8 = Gnd  
 9 = D4 = Led Setup  
 10 = Gnd

## PWM Output



Arduino CPPS Shield  
 CPPS

Arduino

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|     |                       |
|-----|-----------------------|
| DES | September 2015        |
| REV | V1.0                  |
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