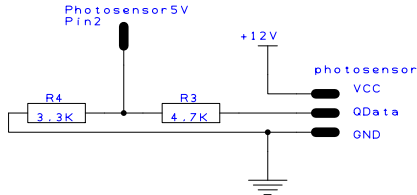
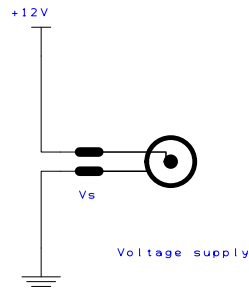


Sensor output (open collector)
with pullup resistor and voltage divider
for 5V levels



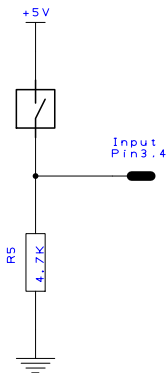
Sensor output with voltage divider for 5V levels

Arduino Pin	Function
Pin 2	Photosensor Input
Pin 3	Hallsensor Input
Pin 4	Trigger Input
Pin 5	Switch Input
Pin 7	Blackbox LED gelb
Pin 9	Servo Output
Pin 10	Button1 Input
Pin 11	Button2 Input
Pin 12	LED1 Output
Pin 13	LED2 Output

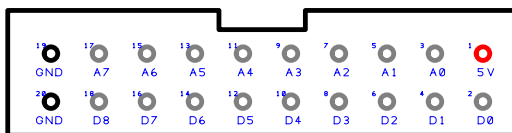


Voltage supply

Trigger/Switch 5V Input



multi-pin connector on Blackbox and Arduino Shield



Blackbox LED gelb
Trigger Input (5V Sensor Pin4)
Switch Input (5V Sensor Pin 5)
Photosensor (5V sensor Pin2)
Hallsensor (5V sensor Pin3)
Servo Actor

Arduino Shield Circuit

