```
// Pin Assignments (Arduino)
FLOWMETER
              Pin 2 // input Flow Meter (INTO)
SERVO
              Pin 3 //~ PWM - Servo Motor for visible laser
FANSPEED
              Pin 5 //~ PWM - this pin will drive the FET for the cooling fan
              Pin 6 //~ PWM - 1-Wire Bus
OWB
VLASER
              Pin 7 // visible laser on / off
BUS-Error
              Pin 8 // LED3
              Pin A0 // Enable High Power Laser (WP)
ENALaser
              Pin A1 // Security relais High Power Laser
SECURITY
LED1
          = Blinkt bei Bus Fehler (OWB off =250ms, OWB off =1000ms)
                                                                                                                                                        GND
CONTROL = Serial und Zusatz Pin (Tx,RX, 9)
                                                                                  D2

■ P6SMB 5,0A SMD
          Arduino Shield
                                                                                                                                            Durchflussmesser
              12V
             GND Vin
             99
                  9
                 IRLM65b2
                                                                                                                                       +bn gn
                   10k
                                                                               IC6
                                                                                                 (
                                                                               SFH617
                                                                                              /Laser
                                                                                              OWB
                        220
                                                                                                                                                     OWB
                        R18
                        10k
                                                                                                                                                        12polig
                                              1 St2
                                                                                                                                                        flach L
                         ← T3
                                                                                                                    Sub-D 9 (F)
                       IRLM6502
                                              LED3 LED1 SMD rot
                                15mA (2/3 max.)
                                                               SMD rot
                                                                                              \overline{\ominus}
                                                                                 P6SMB 5.0A SMD
                   LED5
SMD rot
                                                                                             WP C
                                        15mA (2/3 max.)
                                                                                                                                         ÜЗ
                                                                SFH617
                                                                                              GND Ø
                                                                                                                                         Ü4
                                                                                                                                         =externe Verdrahtung
                                                                IC2
                                                                                             WP LN
                                                                                                                                         Ü5
                                                                SFH617
                                                                                              GND Ø
                                                                                                                                         Ü6
```





















