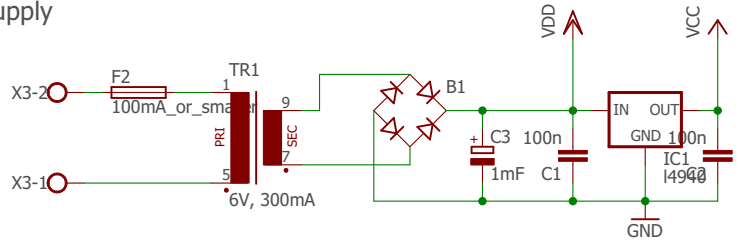


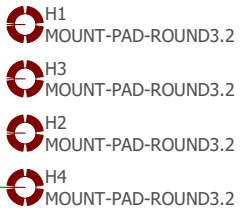
# Hutschienenmodul

power supply

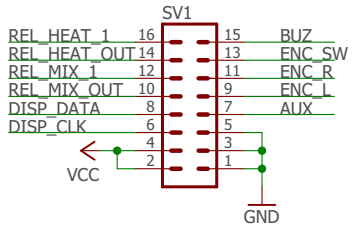


VDD: 9V unregulated, selectable for relais output  
VCC: 5V for logic/relais

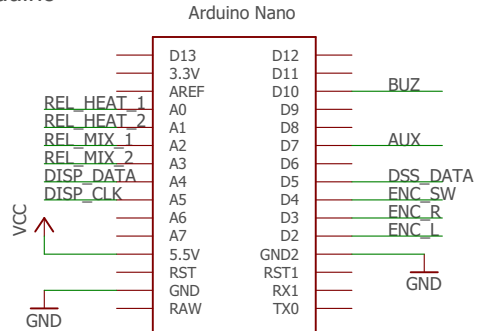
holes



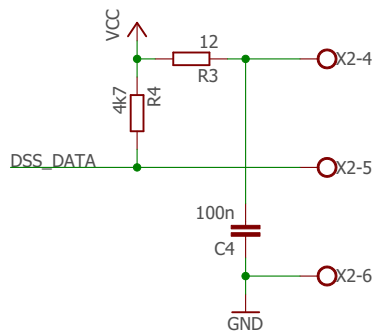
## HMI Jack



arduino



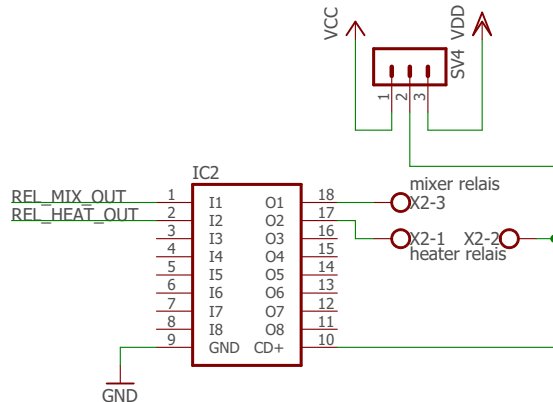
## temperature sensor interface



Note: R3 inserted for current limitation in case of short circuit

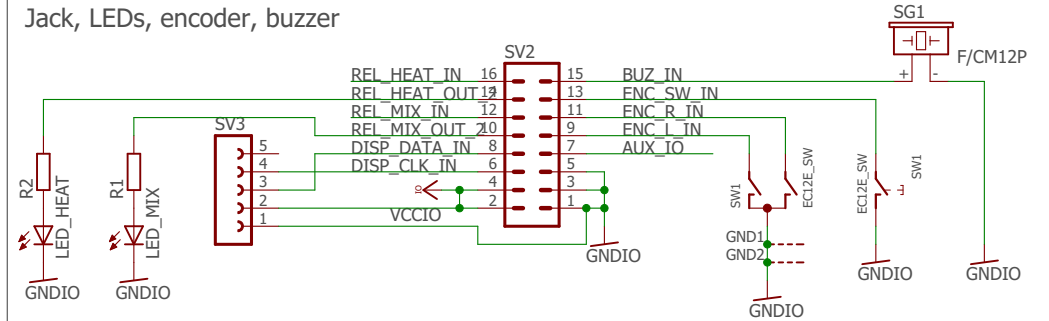
relais control

Use 5V or approx. 9V (unreg.) for relays

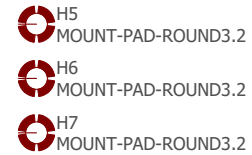


## HMI

Jack, LEDs, encoder, buzzer



holes



## switches

both switches should be on-off-on type

