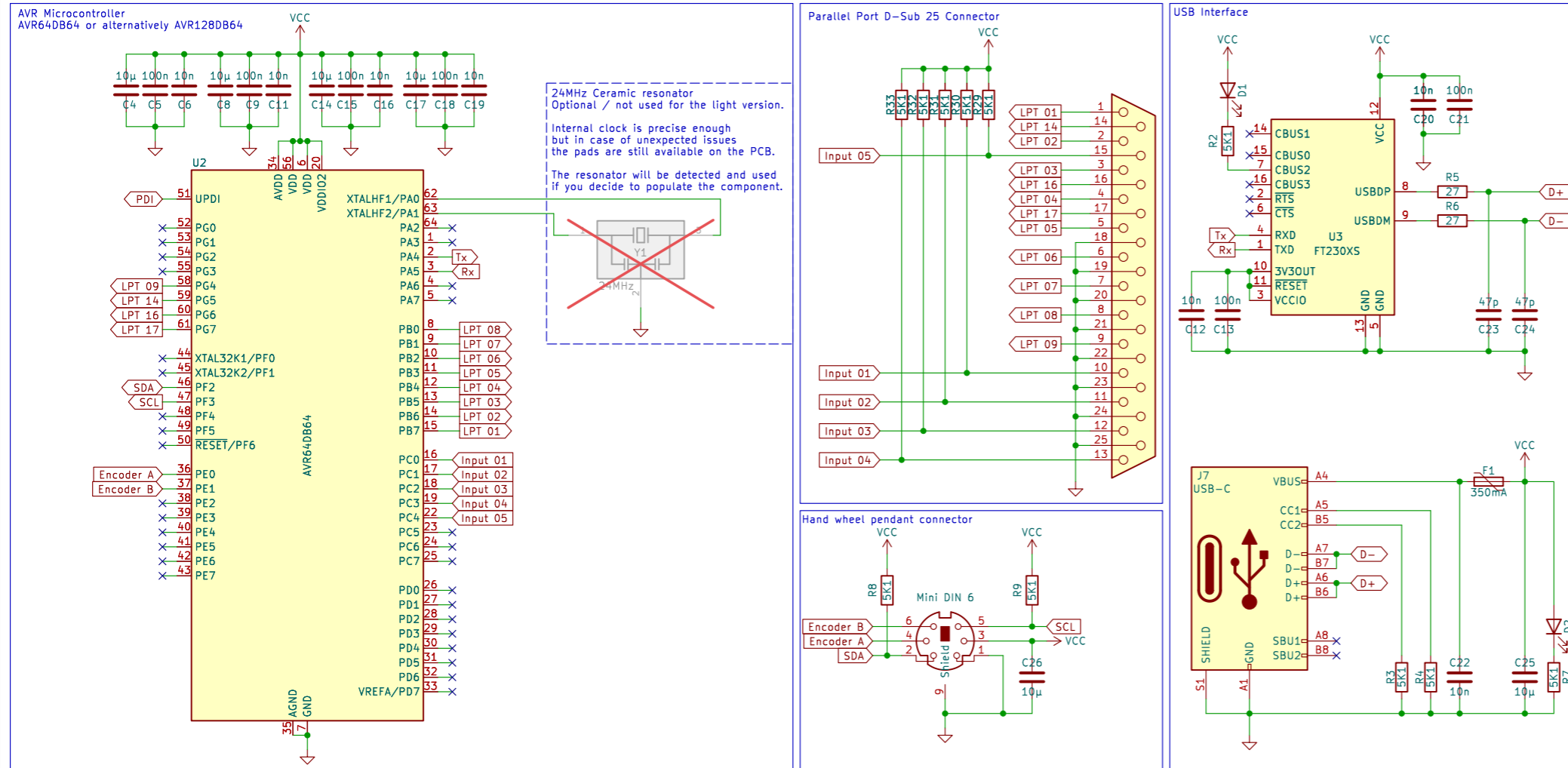


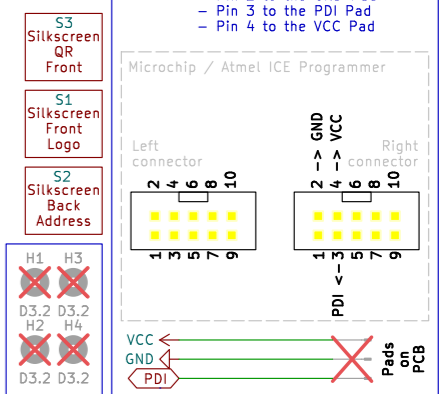
# Estlcam LPT Adapter "Light"

The "Light" version of the "Estlcam LPT Adapter" is a low cost implementation offering just the most basic features.

- Check the "Main Schematic" folder to learn more about all possible features and options.
- Make sure to program AVR64DB64 Flash, EEPROM and Fuses with the files and instructions provided in the "Bootloader" folder!



**Programming interface:**  
 The PCB exposes 3 pads for on board Bootloader Flash / EEPROM / Fuse programming labeled VCC / GND / PDI  
 Connect e.g. with spring loaded pogo pins  
 A PDI compatible programmer is needed e.g. Microchip / Atmel ICE  
 If you use this programmer:  
 - Use the right 10 pin connector  
 - And connect  
 - Pin 2 to the GND Pad  
 - Pin 3 to the PDI Pad  
 - Pin 4 to the VCC Pad



The Estlcam hardware designs are free:

- You are allowed to manufacture and sell Estlcam compatible hardware.
- Actually I really appreciate it if you do so:
  - I'm a hardware and software development guy and get my income from the Estlcam software license sales.
  - I'm not much interested in manufacturing and hardware sales, especially not internationally.

There are only 2 conditions:

- 1: Your product = your responsibility.
  - Do everything at your own risk and don't hold me liable.
  - Ensuring the products compliance to your intended markets laws and regulations is up to you.
- 2: Put your company name and address on the finished product:
  - Customers must be able to tell who manufactured the product.
  - You are allowed to use the Estlcam logo - this is OK.

Please keep in mind that while personal use and modifications are welcome I simply don't have enough time to assist with personal projects if you run into issues.  
 This project is mainly for commercial manufacturing and sales.

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**Estlcam / Christian Knüll**  
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