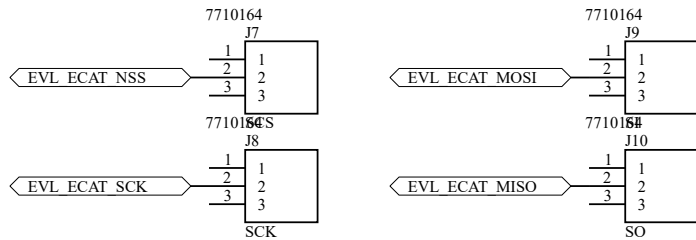
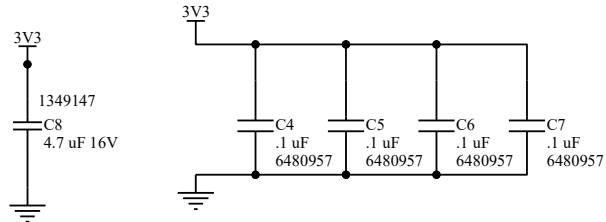
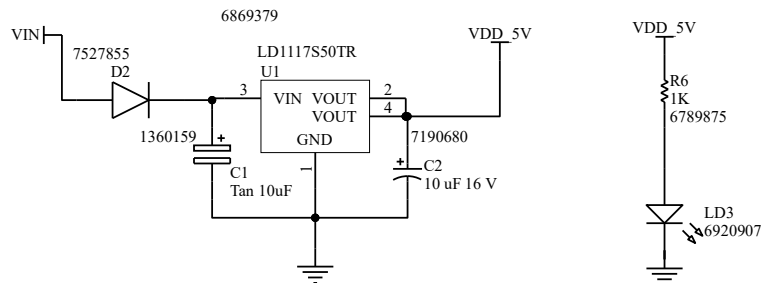
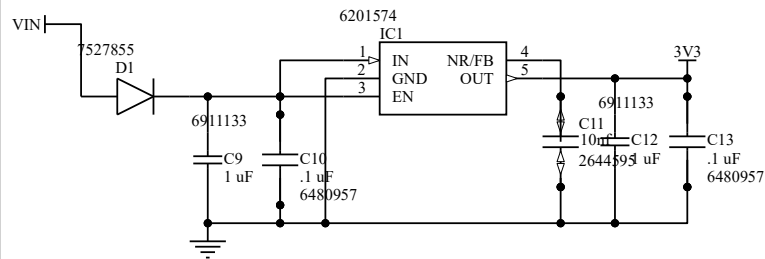


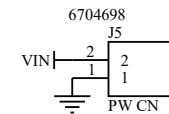
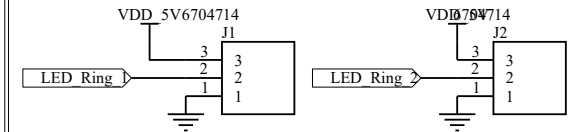
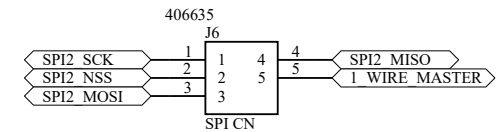
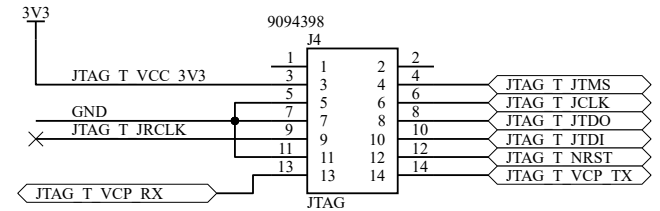
Adaptors to LAN9252_EVB_SPI



PWR



CONNECTORS



TODO LIST for second version (2020.08.03)

- Adapt an STM32F4xxx MCU of smaller package (QFN possible) to asses the following peripherals:
 - 2 PWM outputs with independent DMA access
 - 1 UART output with independent DMA access to run 1-Wire Master
 - 1 SPI Master Port (4 wires) for general communication with another sensor
 - 1 SPI Master Port specific for communication with LAN9252
 - If possible SQI compatible (6 wire)
 - 1 I2C Port
 - SWD/JTAG compatible interface available (10-14 Pin)
 - At least 2 GPIOs available (status led and reset button)

Microcontroller should comply with a similar capabilities of STM32F446ZE + EEPROM*

*To avoid simulation by software


NOTES

- The 3V3 Volts pin will be cut out and replaced for a regular male pin
- QUAD SPI not considered for this first version

What type of connector? MOLEX53392-0871

XTAL needed or working with internal? NO, works with HSI

Consider PICO CLASP and MicroFit connectors + a stacked approach to shrink the size, similar to ELMO.

Title PCBAB0001v01A: Power/Conn			<div>Han's Robot Germany GmbH Barmbeker Straße 9a 22303 Hamburg Germany</div> <div></div>
Size: A4	Number:1	Revision:3	
Date: 9/17/2020	Time: 11:15:55 PM Sheet 1 of 2		
File: D:\PCB\Projektarbeit\PCB AxisCommHub\PowerSource.SchDoc			



