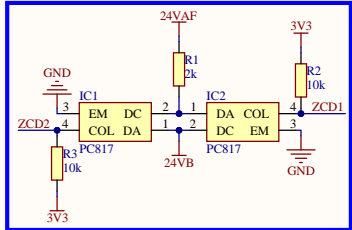
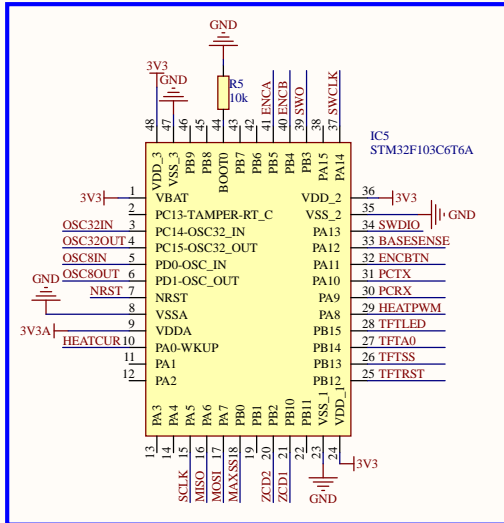


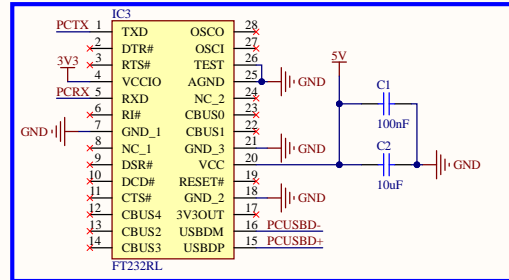
# Zero Crossing Detection



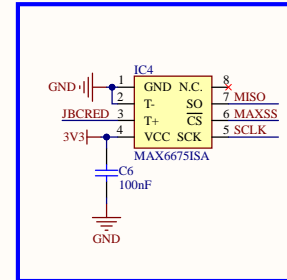
# STM32 MCU



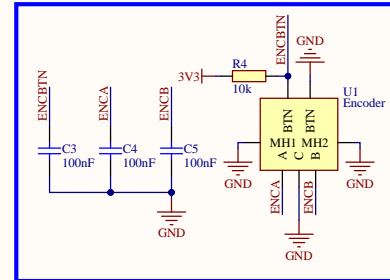
# USB to UART Converter - PC Connection



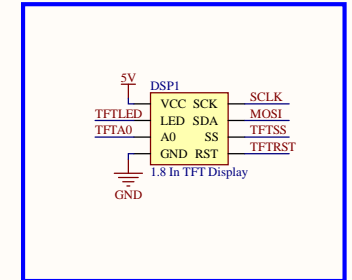
# JBC Temperature Conversion



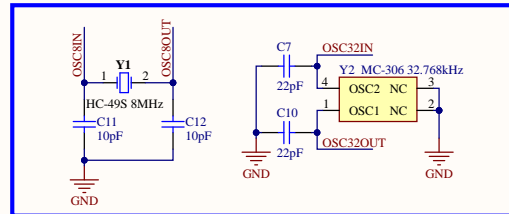
# Rotary Encoder



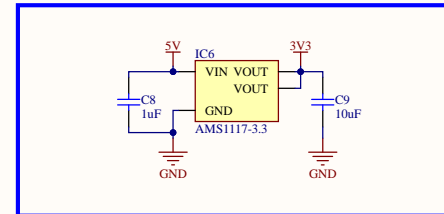
# TFT Display



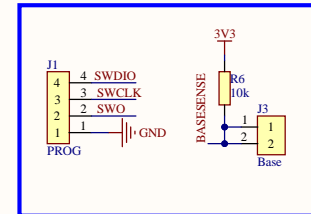
# STM32 Oscillators



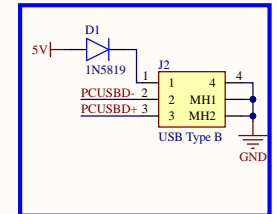
# 5V to 3V3 Regulator



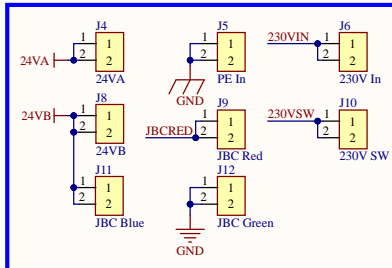
# Connectors



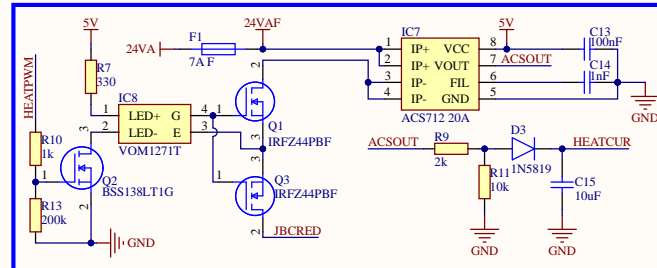
# USB Type B



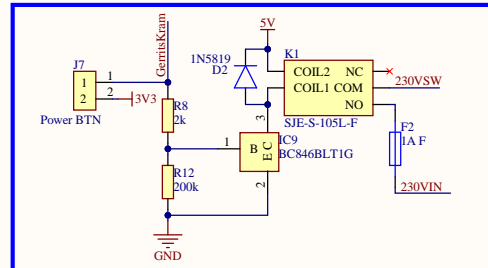
# JBC & Input Connectors



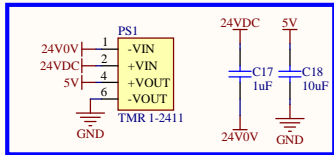
# Heater Power Switch & Heater Current Measurement



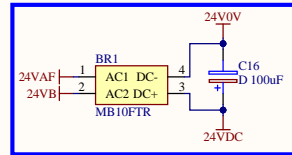
# Relay for 24V ON/OFF



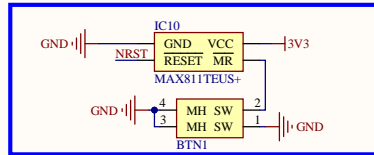
# 24V to 5V PSU for MCU



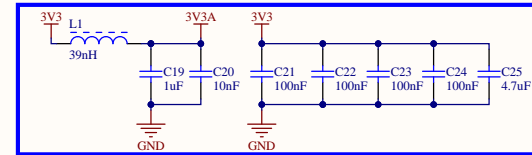
# 24V Rectifier



# PoR



# STM32 Voltage Filtering & Stabilisation



ToDo: Temperatursensor Trafo, Lüfter?, Power Button, Menu Button? Verbinde klären

Title		
SESSION - Simple Embedded Soldering Station		
Size	Number	Revision
A3		REV. A
Date:	10.16.2022	Sheet 1 of 1
File:	F:\GITHUB\...Schematic.SchDoc	Drawn By: Fynn Raddatz

