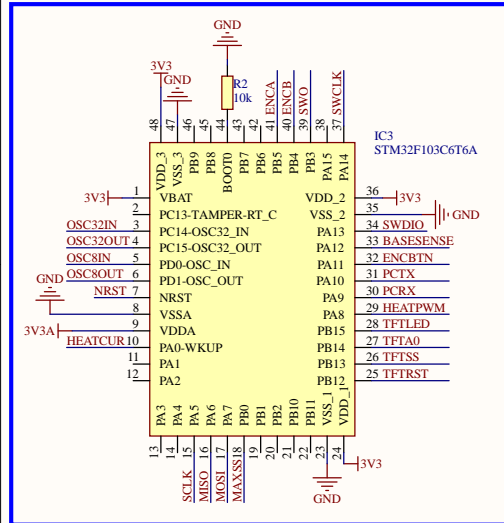
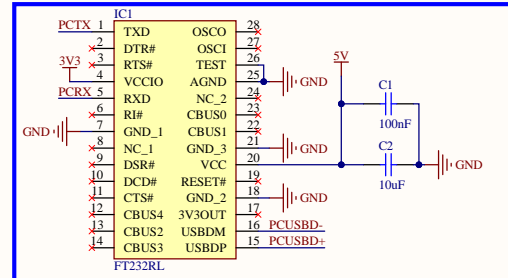


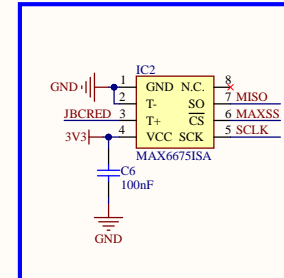
STM32 MCU



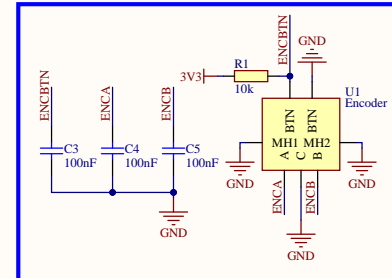
USB to UART Converter - PC Connection



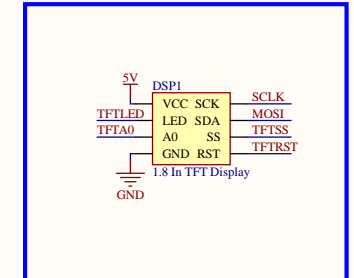
JBC Temperature Conversion



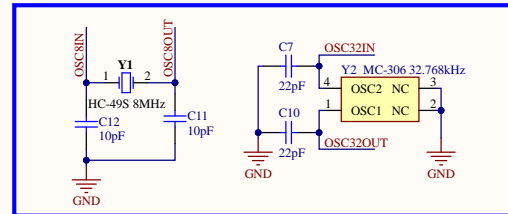
Rotary Encoder



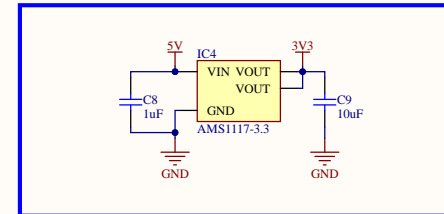
TFT Display



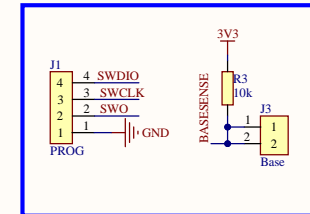
STM32 Oscillators



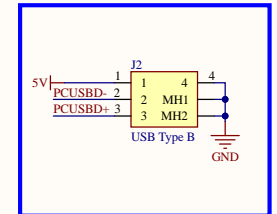
5V to 3V3 Regulator



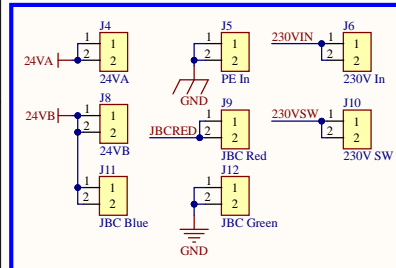
Connectors



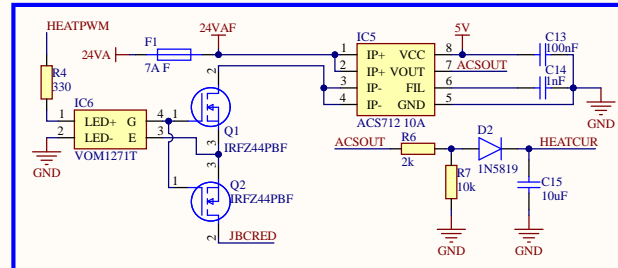
USB Type B



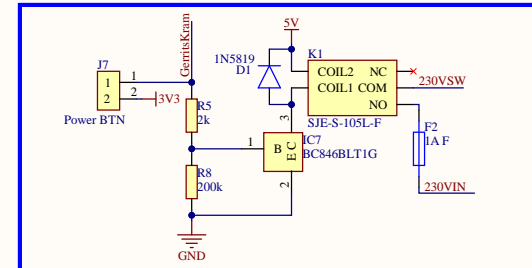
JBC & Input Connectors



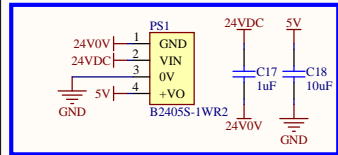
Heater Power Switch & Heater Current Measurement



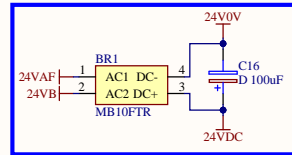
Relay for 24V ON/OFF



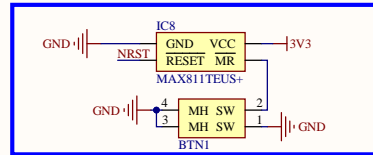
24V to 5V PSU for MCU



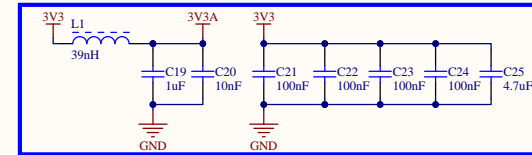
24V Rectifier



PoR



STM32 Voltage Filtering & Stabilisation



ToDo: Temperatursensor Trafo, Lüfter?, Power Button, Verbinder klären

Title		
SESSION - Simple Embedded Soldering Station		
Size	Number	Revision
A3		REV. A
Date:	9.29.2022	Sheet 1 of 1
File:	F:\GITHUB\...\Schematic.SchDoc	Drawn By: Fynn Raddatz