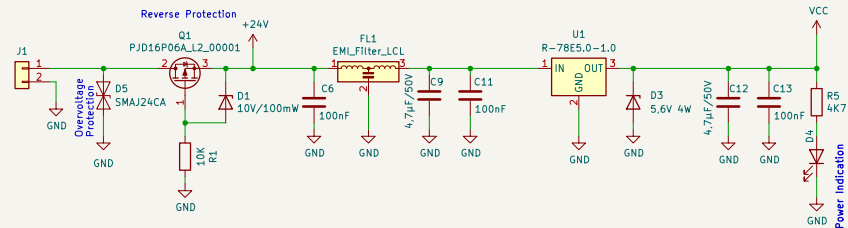
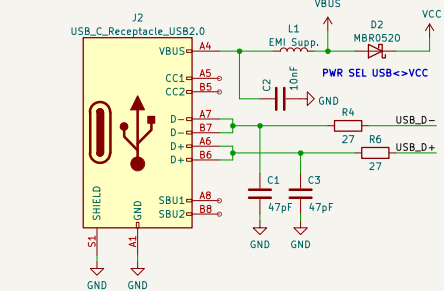


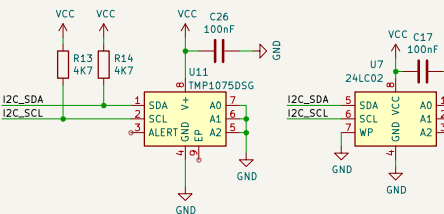
24V Main Power Supply



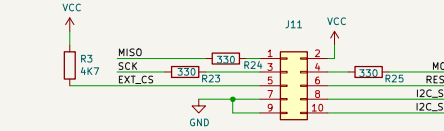
USB Interface



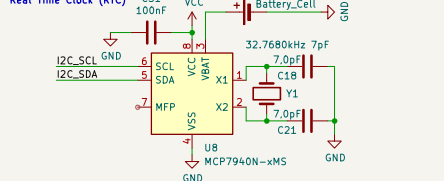
Internal Temperature Monitoring & external memory



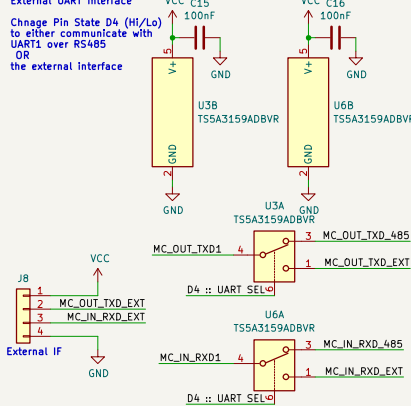
External SPI/I2C Interface



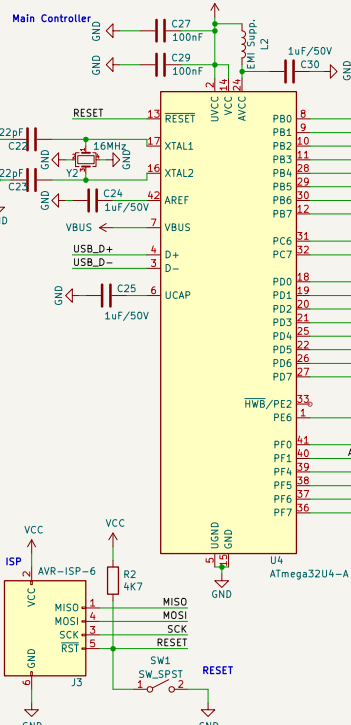
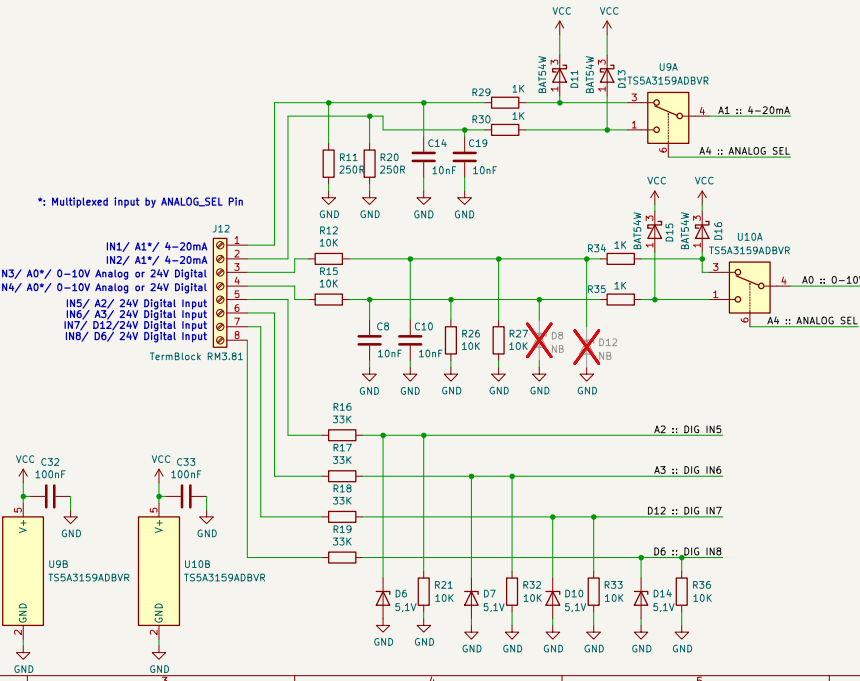
Real Time Clock (RTC)



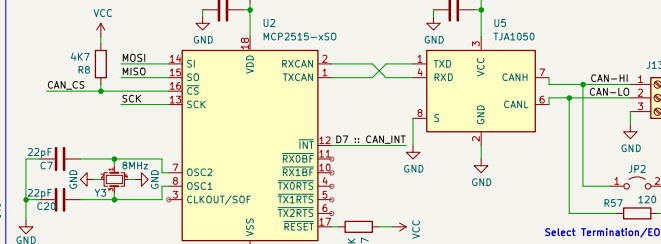
UART/RS485 MUX + External UART Interface



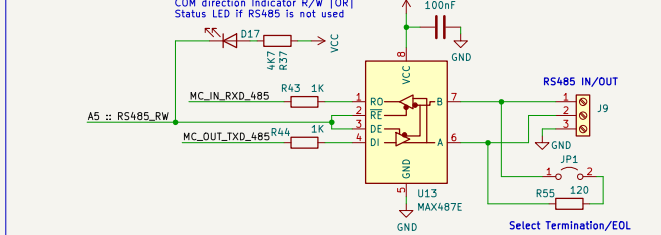
INPUTS



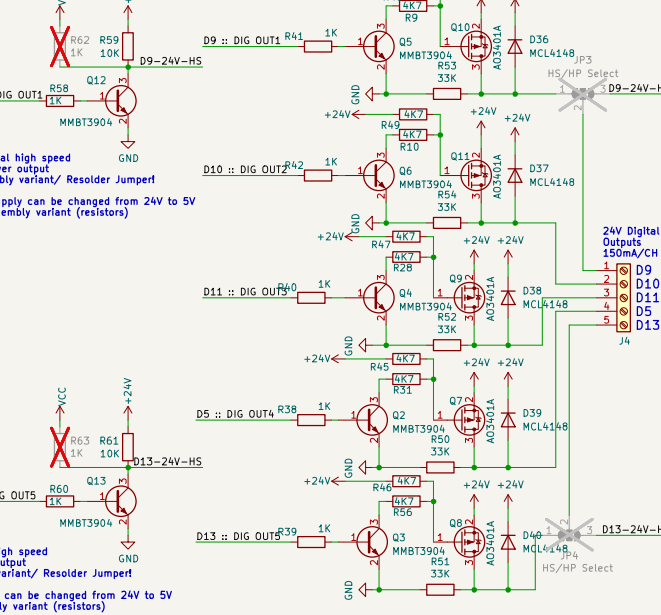
CAN Interface



RS485 Interface



OUTPUTS



Revision History
 Prototype 0 - V1.0
 V1.1 2025-04
 - Bug In PFET circuit for 24V dig outputs fixed
 - Added freewheeling diodes 4148 at all outputs
 - Bugfix: Interrupt pin of MCP2515 of MUST be routed to PE6 (D6) as it needs physical chip int
 - 4-20mA and 0-10 input channels now are muxed by analog switch, to make another pin free for RS485 direction switching
 - Added Resistors for assembly variant to run 2 PWM outputs also at 5V (instead of 24V)
 Open Items / next Version

HATRON GmbH | Beerenstr.2 | D-33803 Steinhagen
 Drawn by: Henrik Hamann
 Assembly Version: -
 Hatron
 Sheet: Stammbblatt
 File: PLCino.kicad_sch
Title: PLCino
 Size: A3 Date: 2023-05-09 Rev: 1.1
 KiCad E.D.A. 9.0.0 Id: 1/1

