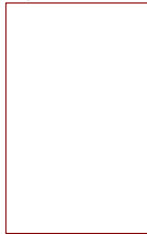


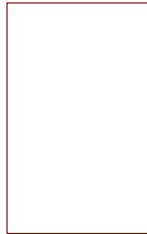
Hive basierend auf R14V mit Bellatrix Ram Erweiterung Serielle Schnittstelle auf Usb umgerüstet Spannungsversorgung 5V Usb Eingang

Regnatix



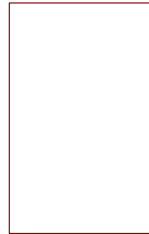
Datei: regnatix.kicad_sch

Bellatrix



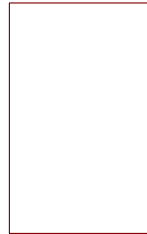
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Administra



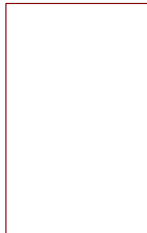
Datei: administra.kicad_sch

Power



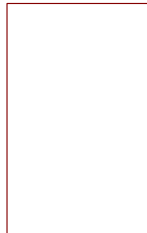
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Network



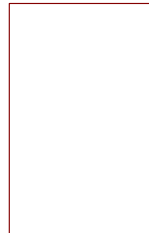
Datei: network.kicad_sch

InOut



Datei: inout.kicad_sch

Serial



Datei: serial.kicad_sch

TODO
Senderichtung Uart kontrollieren
Mux Widerstand?
Long pads auch für Steckleisten
Kondensatoren Sound Größe prüfen
Beschriftung der Platine
10u Caps
FTDI IC weg
LDO NRND?

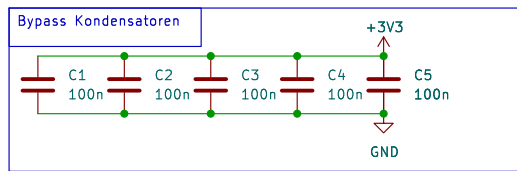
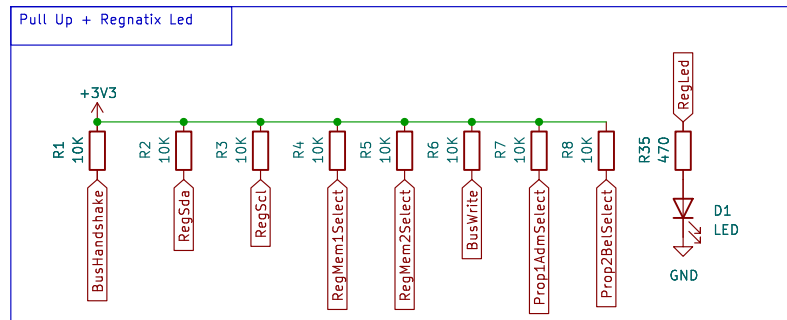
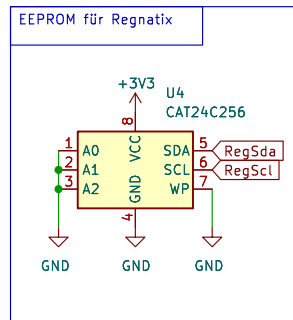
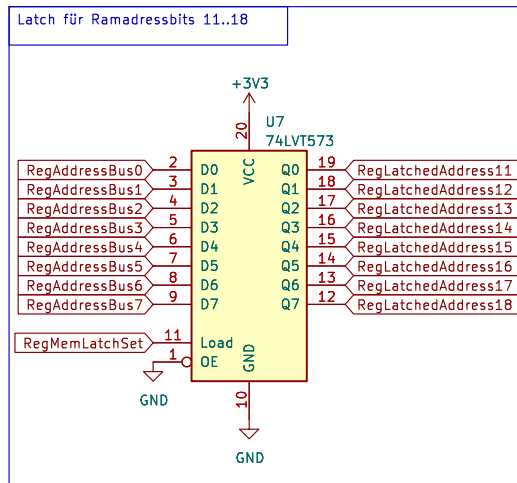
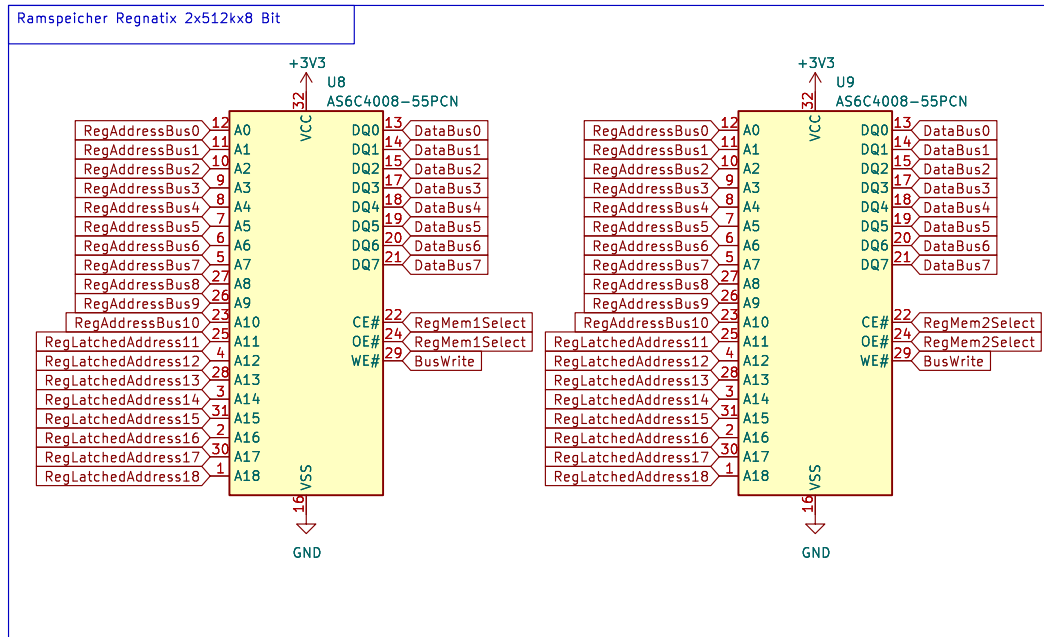
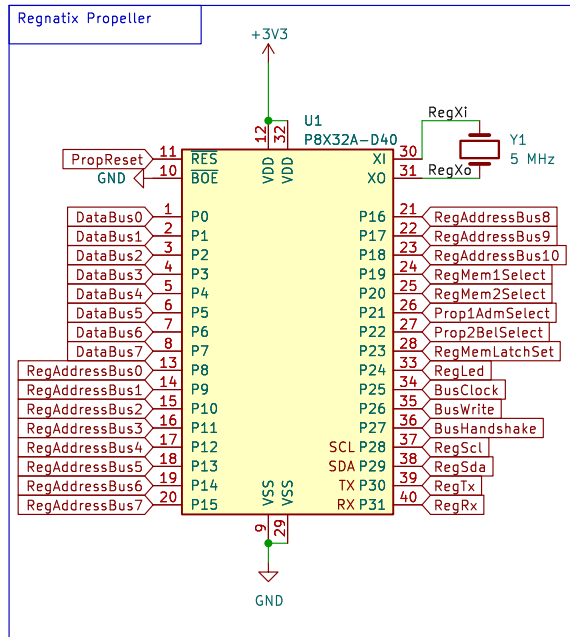
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Title: Hive R14V + Bellatrix Ram

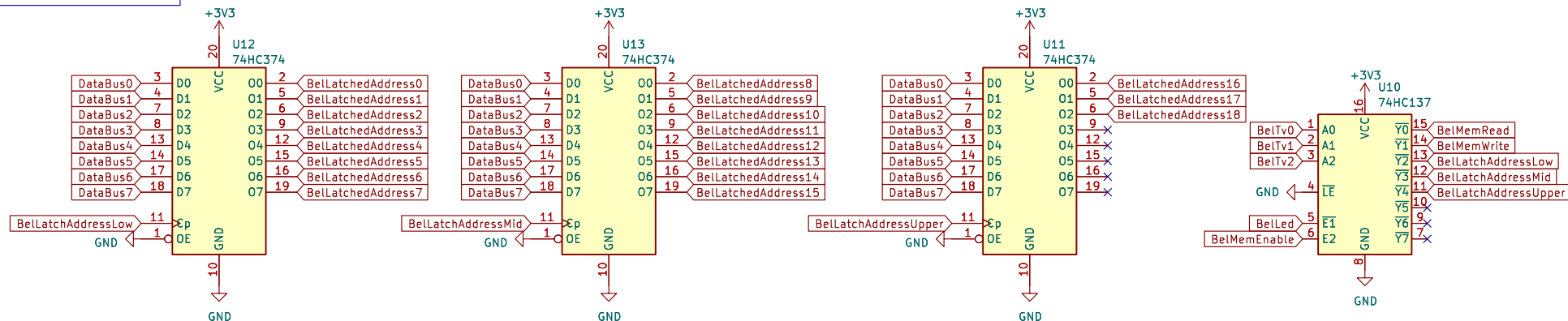
Size: A4 Date: 2023-05-15

KiCad E.D.A. kicad 7.0.3

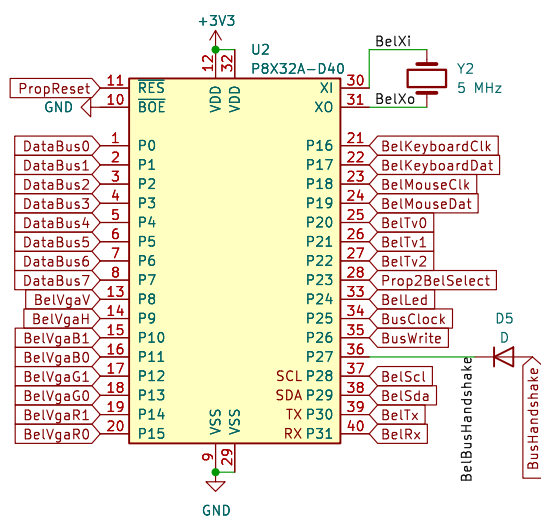
Rev:
Id: 1/8



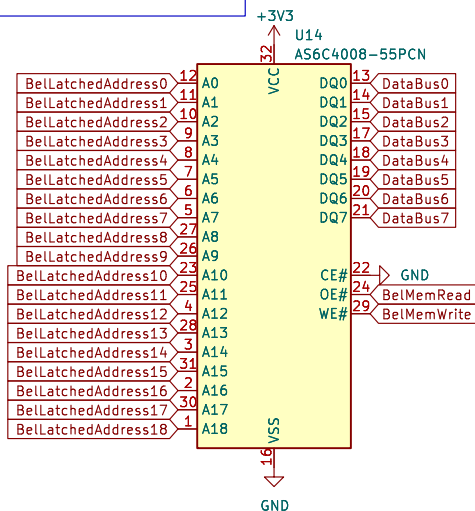
Bellatrix Ram Adresseinheit



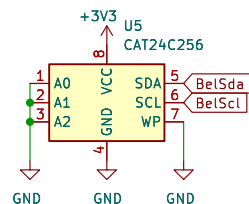
Bellatrix Propeller



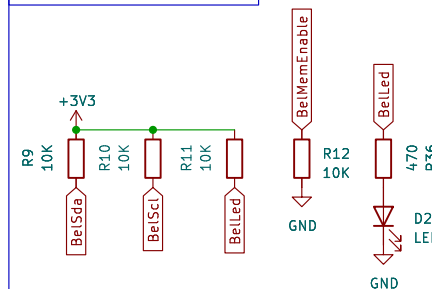
Ramspeicher Bellatrix 512Kx8 Bit



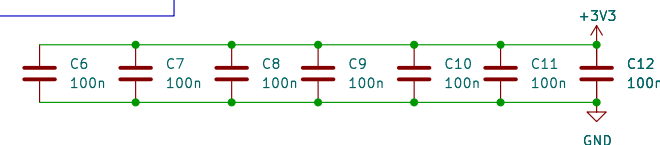
EEPROM für Bellatrix



Pull Up/Down + Bellatrix Led



Bypass Kondensatoren



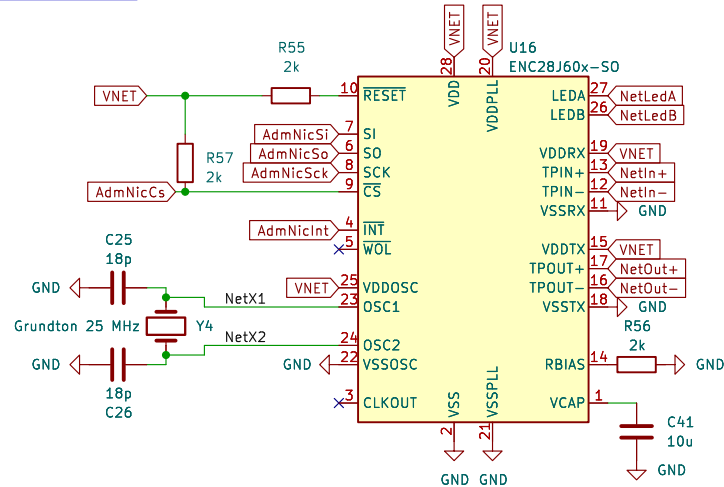
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File: bellatrix.kicad_sch

Title: Hive R14V + Bellatrix Ram

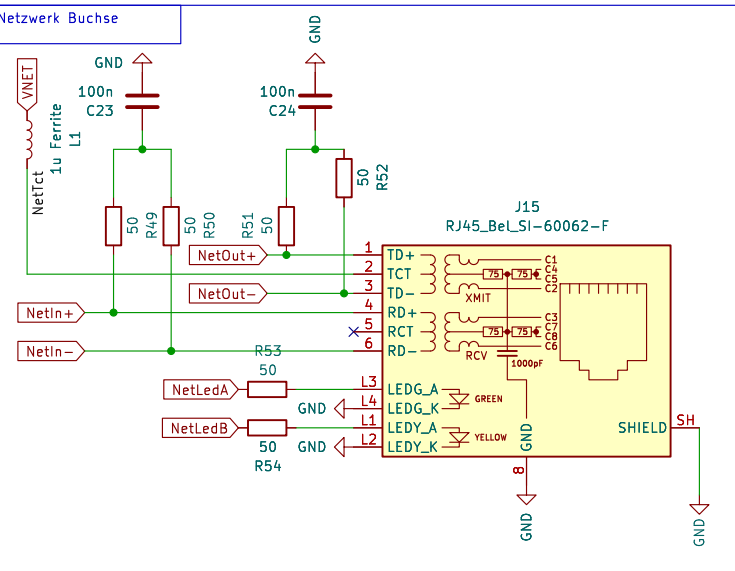
Size: A4
KiCad E.D.A. kicad 7.0.3

Date:
Rev: Id: 3/8

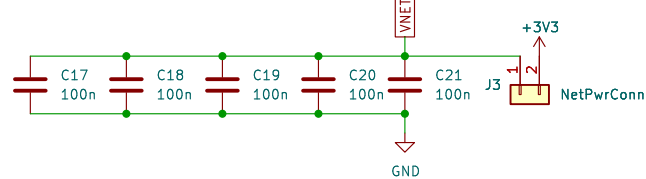
Netzwerk IC



Netzwerk Buchse



Bypass Kondensatoren



Sheet: /Network/
File: network.kicad_sch

Title: Hive R14V + Bellatrix Ram

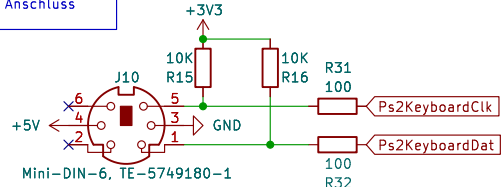
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Date:

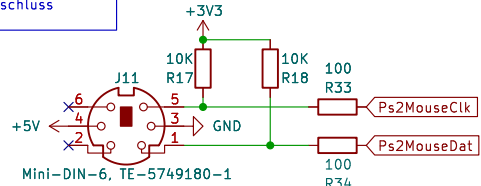
Rev:

Id: 5/8

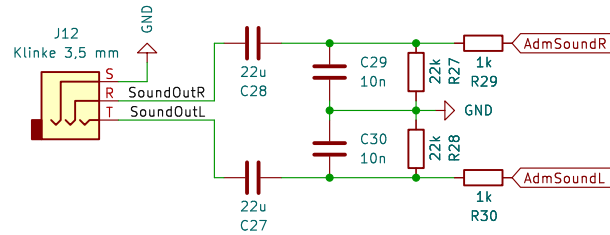
PS/2 Tastatur Anschluss



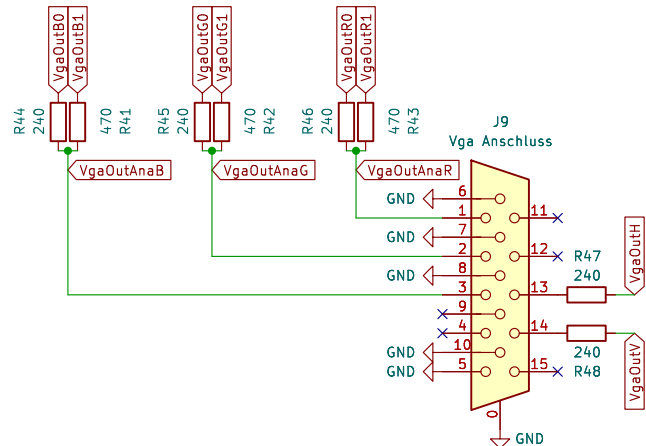
PS/2 Maus Anschluss



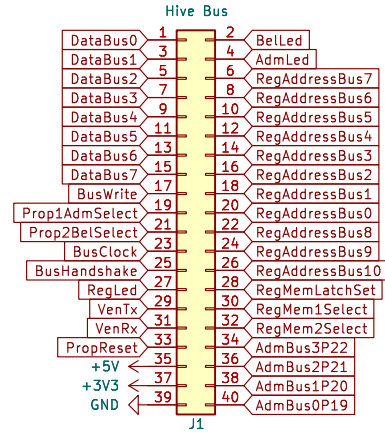
Sound Klinkenbuchse und Tiefpassfilter



VGA Buchse

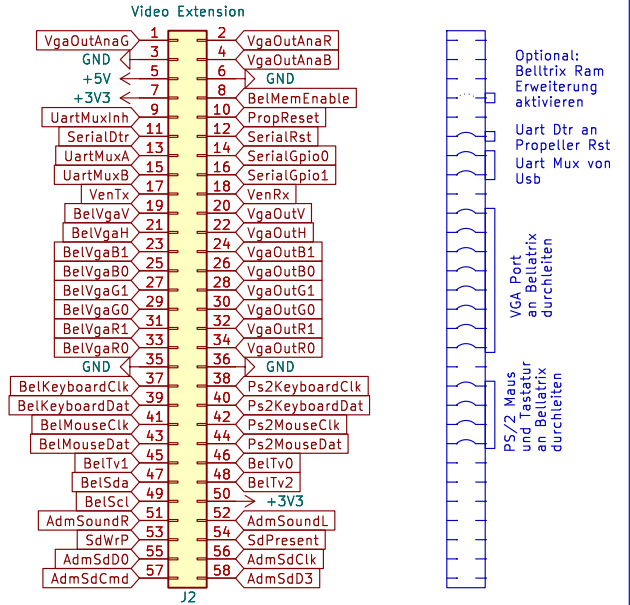


Hive Bus Verbinden

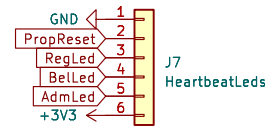


Video Extension Port

Der folgende Port ist für zukünftige Konvertierungen des Video Signals (TV, VGA) nach HDMI vorgesehen, sowie für die PS/2 Emulation für USB-Tastatur und Maus.
Wenn diese Erweiterung nicht vorhanden ist, müssen einige Pins gebrückt werden.
Außerdem kann die Bellatrix Ram Erweiterung aktiviert werden.



Heartbeat Leds Anschluss

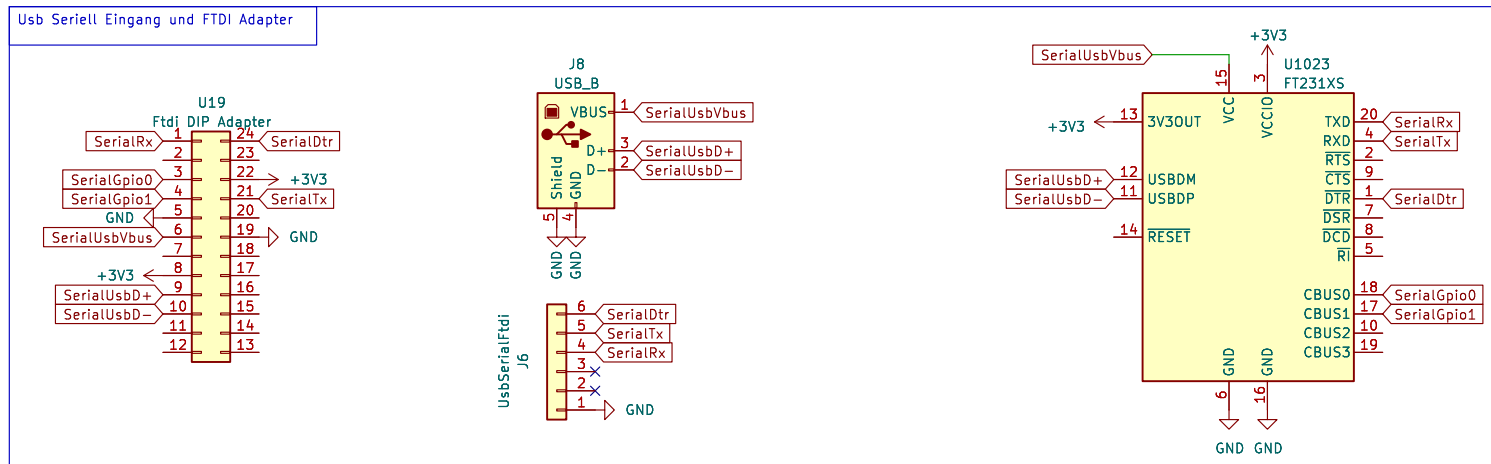
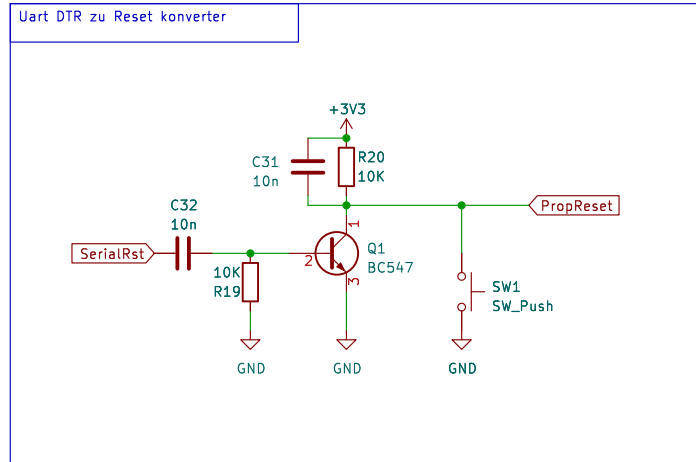
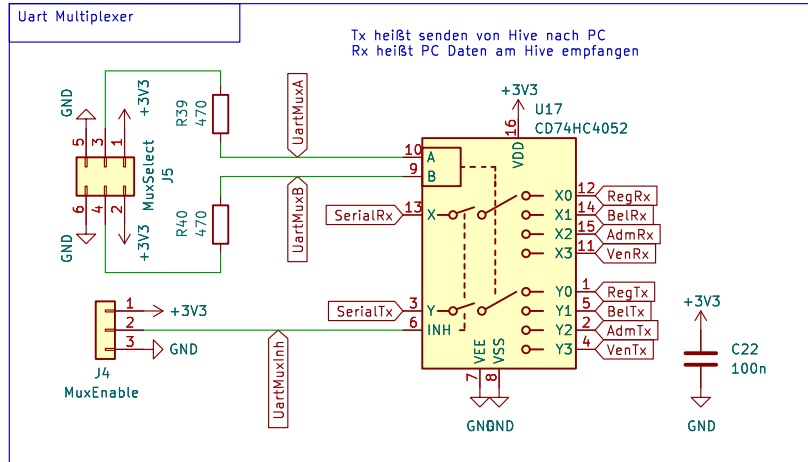


Sheet: /InOut/
File: inout.kicad_sch

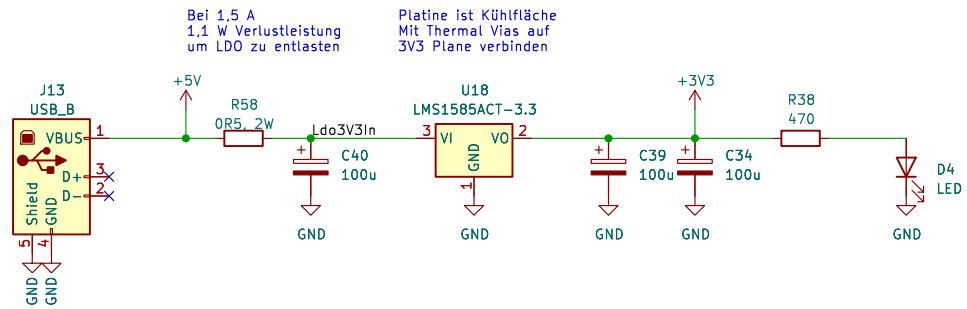
Title: Hive R14V + Bellatrix Ram

Size: A4
KiCad E.D.A. kicad 7.0.3

Rev:
Id: 6/8



Spannungsversorgung



Mechanische Befestigung

- H4 MountingHole
- H3 MountingHole
- H2 MountingHole
- H1 MountingHole