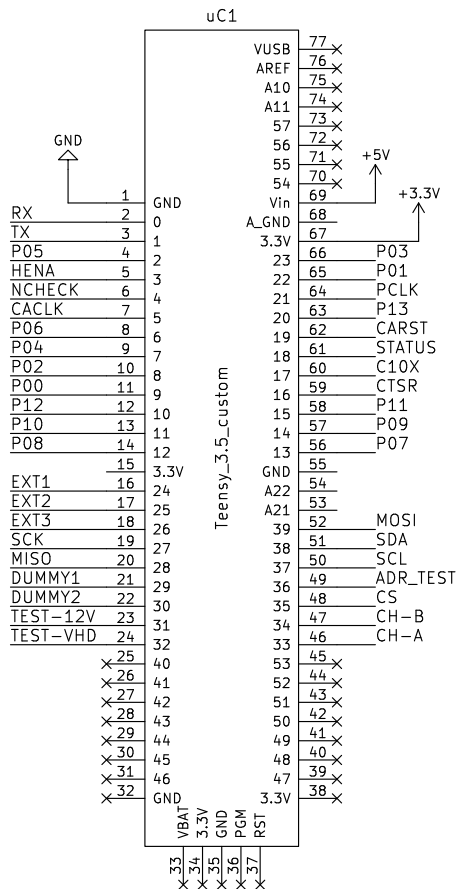


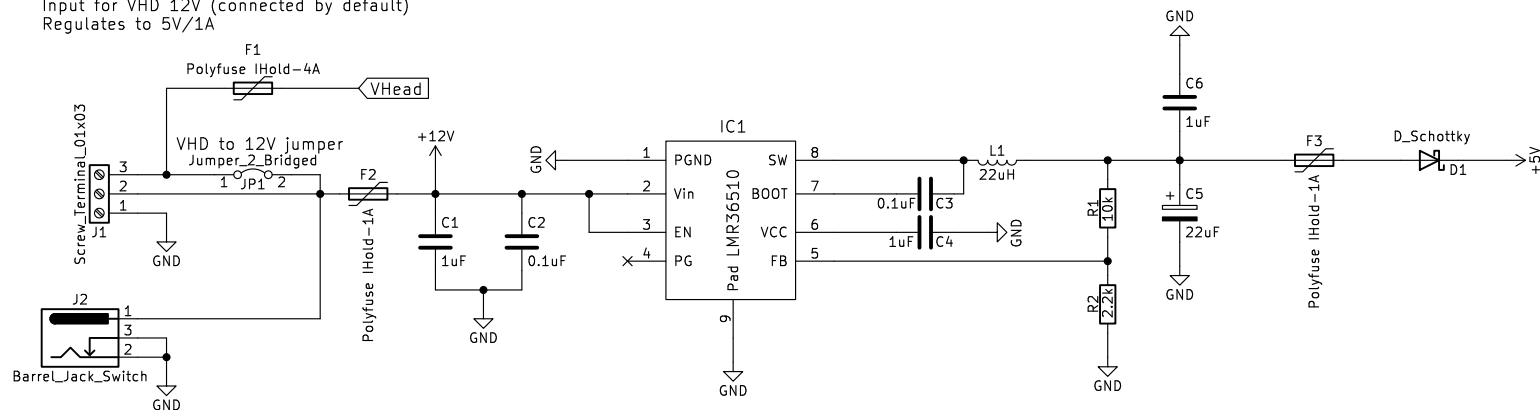
Microcontroller

DMA bus C is 15-22-23-09-10-13-11-12
DMA bus D is 02-14-07-08-06-20-21-05



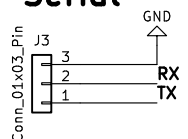
Power input

Input for VHD 12V (connected by default)
Regulates to 5V/1A

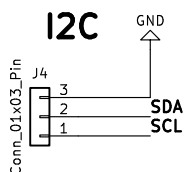


Peripherals

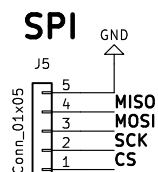
Serial



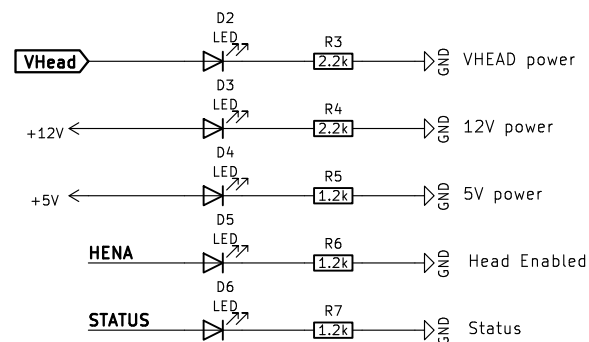
I2C



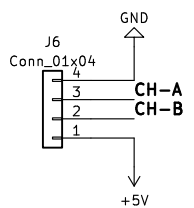
SPI



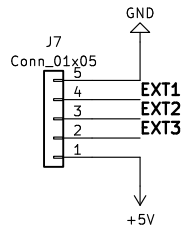
LEDs



Encoder Input



External input



Sheet: /Power input/
File: Power input.kicad_sch

Title:

Size: A4 Date: 2023-05-09
KiCad E.D.A. kicad 7.0.2-6a45011f42-172-ubuntu22.04.1

Rev: 2/3

Primitive controller

Reset pulse generator

IC3: 74HC123

IC4: TLC59213

IC5: TLC59213

Address controller

IC6: HCF4081

IC7: HEF4017

IC8: HEF4017

IC9: HEF4017

HP45 connector

Con1: HP45_connector

IC10: 2Kbit 128x8 RAM

IC11: 2Kbit 128x8 RAM

IC12: 2Kbit 128x8 RAM

Sheet: /HP45/
File: HP45.kicad_sch

Title:

Size: A4 Date: 2023-05-11 Rev:

KiCad E.D.A. kicad 7.0.2-6a45011f42-172-ubuntu22.04.1 Id: 3/3

Primitve controller

Reset pulse generator

IC3: 74HC123

IC4: TLC59213

IC5: TLC59213

HP45 connector

Con1

HP45_connector

Address controller

IC6: HCF4081

IC7: HEF4017

IC8: HEF4017

IC9: HEF4017

Sheet: /HP45/
File: HP45.kicad_sch

Title:

Size: A4 Date: 2023-05-11 Rev:

KiCad E.D.A. kicad 7.0.2-6a45011f42-172-ubuntu22.04.1 Id: 3/3

Primitve controller

Reset pulse generator

IC3: 74HC123

IC4: TLC59213

IC5: TLC59213

HP45 connector

Con1

HP45_connector

Address controller

IC6: HCF4081

IC7: HEF4017

IC8: HEF4017

IC9: HEF4017

Sheet: /HP45/
File: HP45.kicad_sch

Title:

Size: A4 Date: 2023-05-11 Rev:

KiCad E.D.A. kicad 7.0.2-6a45011f42-172-ubuntu22.04.1 Id: 3/3

Primitve controller

Reset pulse generator

IC3: 74HC123

IC4: TLC59213

IC5: TLC59213

HP45 connector

Con1

HP45_connector

Address controller

IC6: HCF4081

IC7: HEF4017

IC8: HEF4017

IC9: HEF4017

Sheet: /HP45/
File: HP45.kicad_sch

Title:

Size: A4 Date: 2023-05-11 Rev:

KiCad E.D.A. kicad 7.0.2-6a45011f42-172-ubuntu22.04.1 Id: 3/3

Title:		
Size: A4	Date: 2023-05-11	Rev:
KiCad E.D.A. kicad 7.0.2-6a45011f42-172-ubuntu22.04.1		Id: 3/3

Title:		
Size: A4	Date: 2023-05-11	Rev:
KiCad E.D.A. kicad 7.0.2-6a45011f42-172-ubuntu22.04.1		Id: 3/3