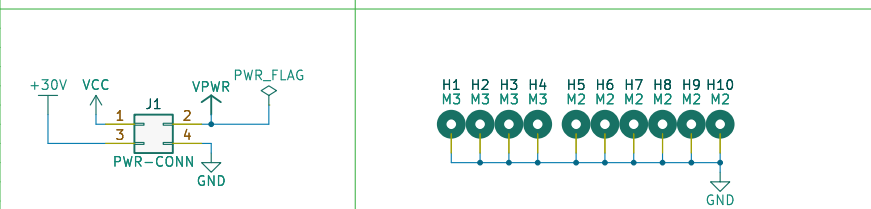


+30V	30V	High Voltage Supply From External SMPS (Display Backlight)
VPWR	1.2V	Main Supply from External SMPS
VCC5V	5V	IC#451 Supply From PowerSupply PCB
VDD	3.3V	Main Digital Supply
VDD-CORE	1.3V	MPU Core Supply
VDD-DDR	1.5V	DDR3 Memory Digital Supply
VTT-DDR	0.75V	Supply For DDR3 Pullup Resistors
USB-CORE	1.1V	USB Hub Core Supply
VDD-USB	3.3V	USB Hub PHY Layer Supply
VDDA	3V	Analog Supply
VDD-PWR	3.3V	Digital Supply From Power Supply (Used for power Supply Control)

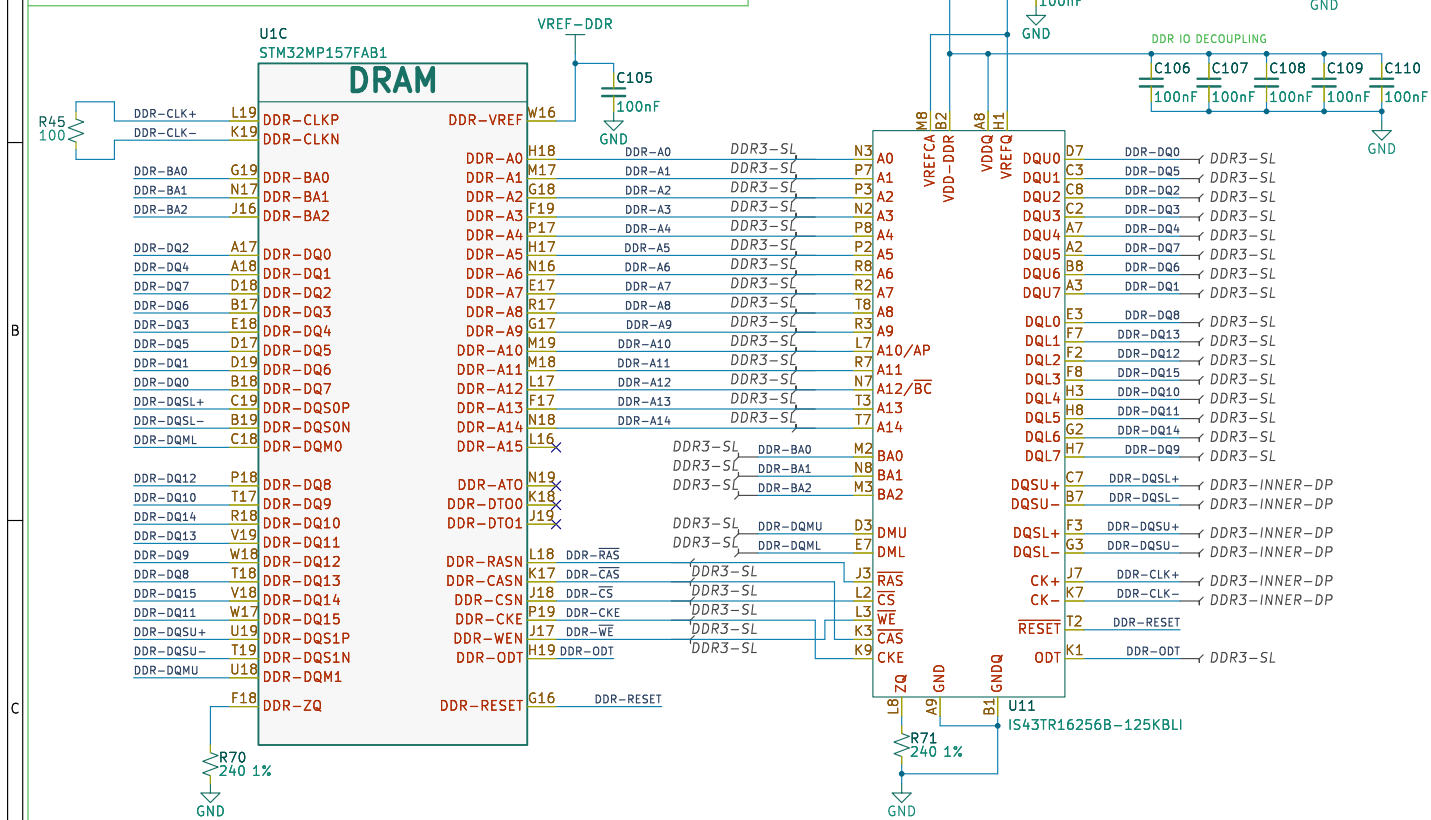
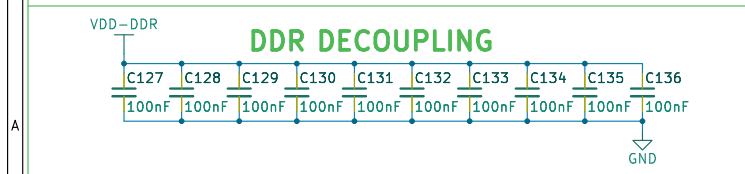
ALWAYS ON	START							RUN
VDD-PWR	VDD	VDD-CORE	VDD-DDR	VTT-DDR	VDDA	VDD-USB	USB-CORE	

YDwD

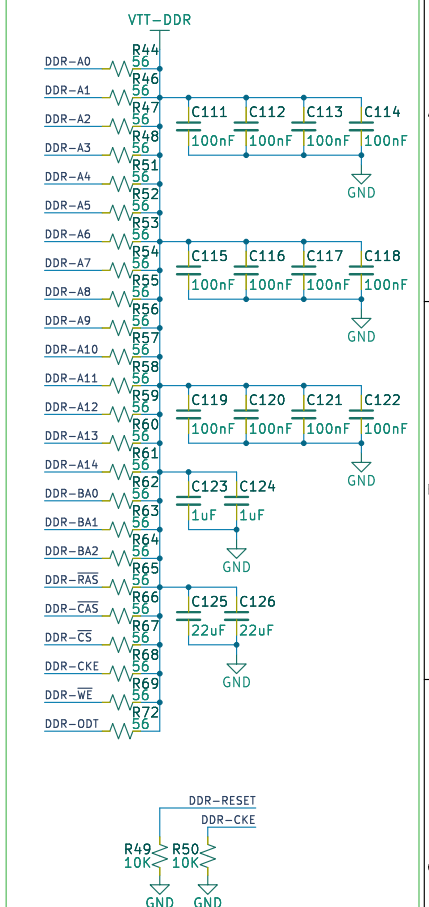
[illegible][illegible][illegible]

The schematic diagram illustrates the USB-C connector circuit for the USB7205C. The circuit is divided into three main sections: the USB-C connector, the USB-C cable, and the USB-C controller. The USB-C connector (USB7205C) is connected to a USB-C cable. The connector has pins for USB-CORE, GND, and VDD. The cable has pins for VDD, GND, and a central signal line. The circuit includes capacitors C82 through C95, all 100nF, and a resistor R37 (12K, 1%). The central signal line is labeled 0807-0003.

## DDR MEMORY



## MEMORY TERMINATION



Daxxn Industries

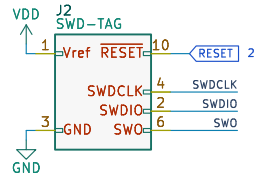
Sheet: /MEMORY/  
File: memory.kicad\_sch

**Title:** *Benchy Reloaded*

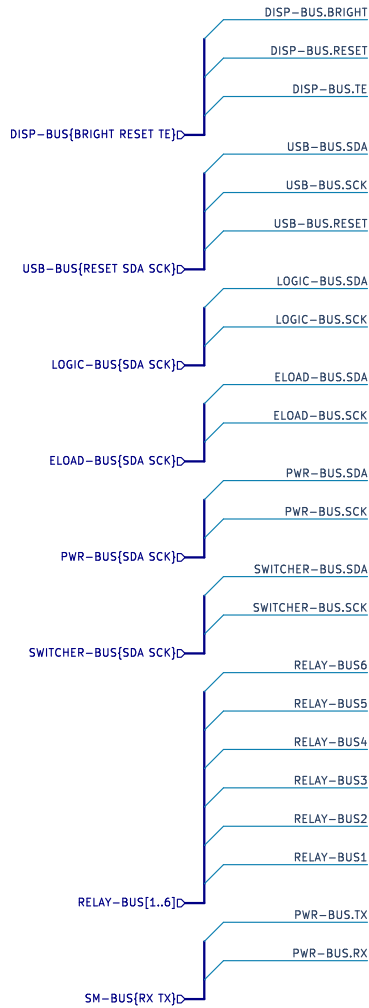
Size: User	Date:
KiCad E.D.A. kicad (7.0.0)	

Rev: REV1
Id: 3/6

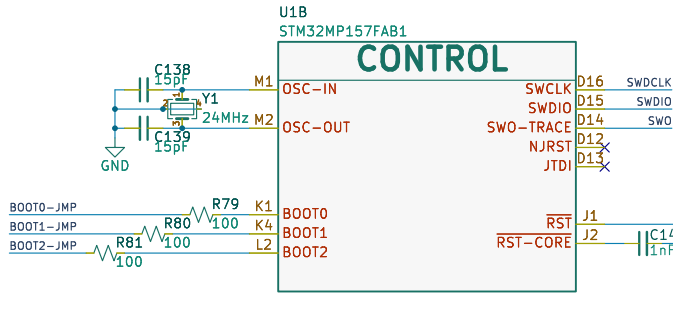
## SWD



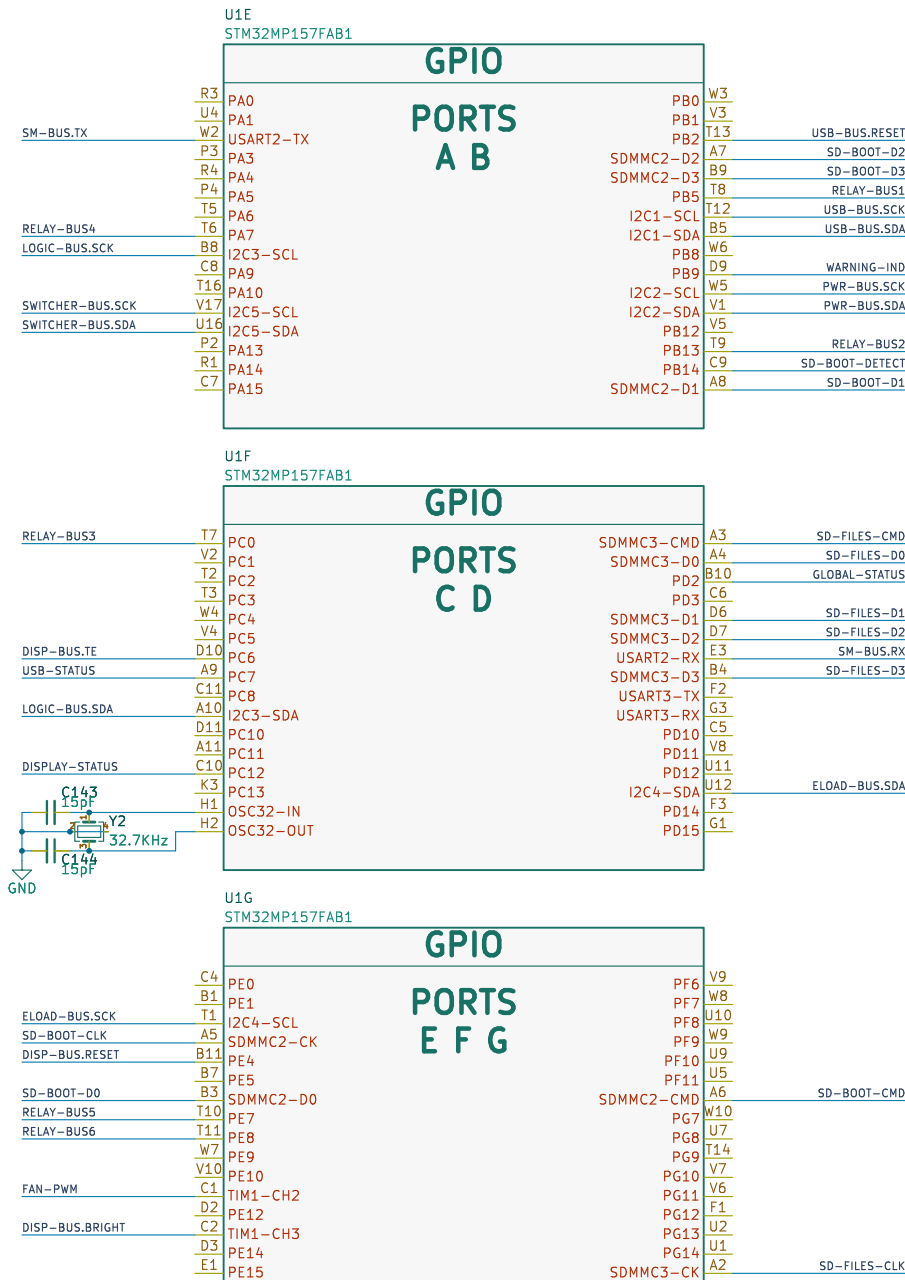
## BUS BREAKOUT



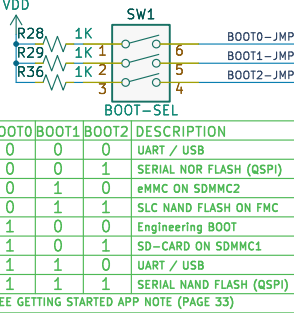
## STM32 MPU CTRL



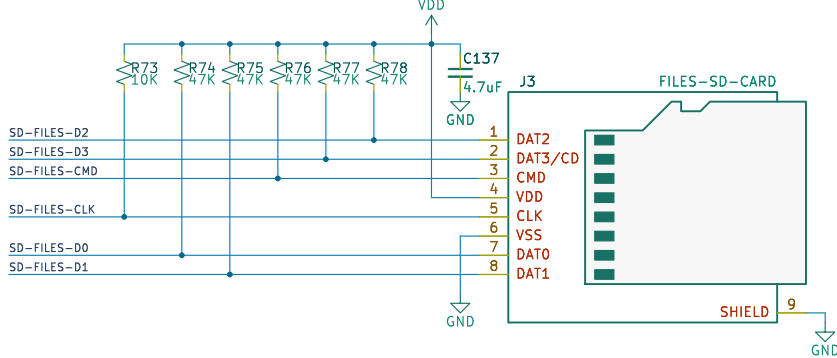
## STM32 MPU GPIO



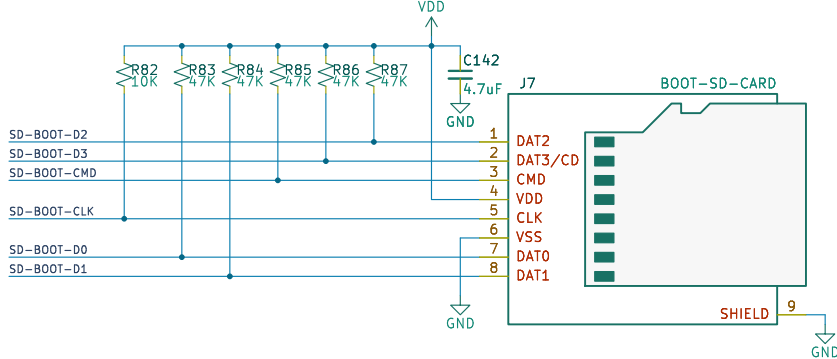
## BOOT CONFIG



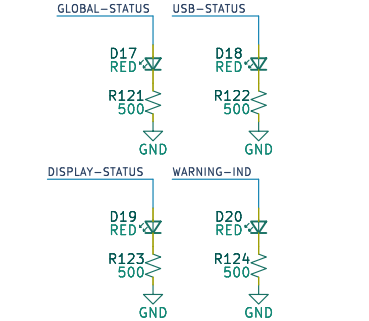
## STORAGE SD-CARD



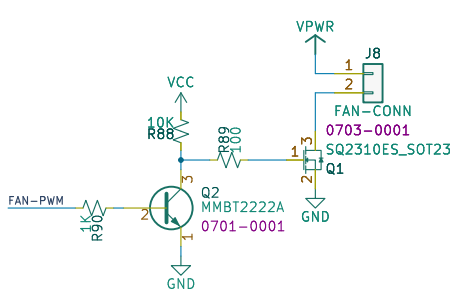
## BOOT SD-CARD



## STATUS IND



## FAN CONTROL



Daxxn Industries

Sheet: /INPUT | OUTPUT/  
File: gpio.kicad\_sch

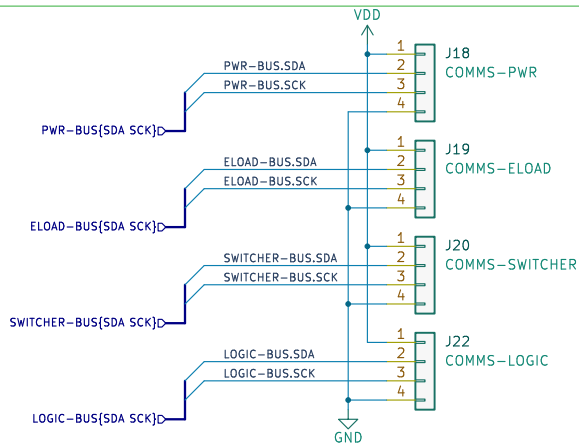
Title: Benchy Reloaded

Size: User Date:  
KiCad E.D.A. kicad (7.0.0)

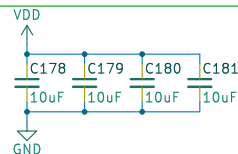
Rev: REV1  
Id: 4/6



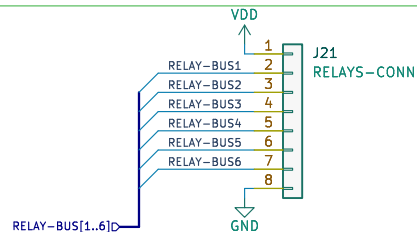
## ETERNAL COMMS



## DECOUPLING



## RELAYS



**Daxxn Industries**

Sheet: /COMMUNICATIONS/

File: comms.kicad\_sch

**Title: Benchy Reloaded**

Size: User

Date:

KiCad E.D.A. kicad (7.0.0)

**Rev: REV1**

Id: 7/6