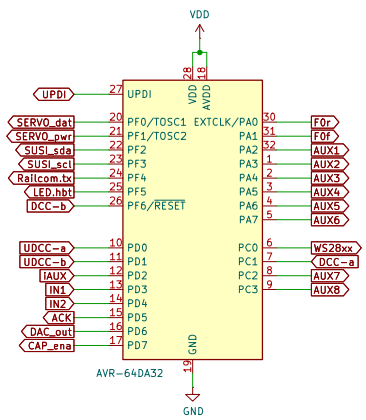
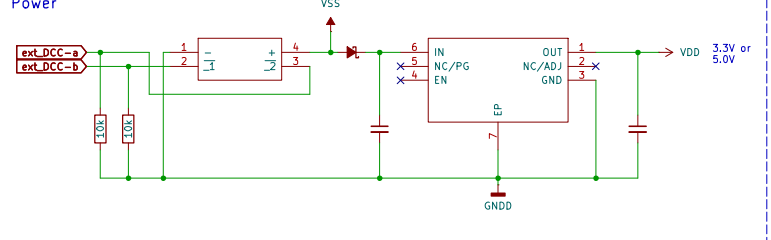


# CPU

## CPU



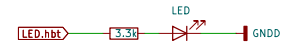
## Power



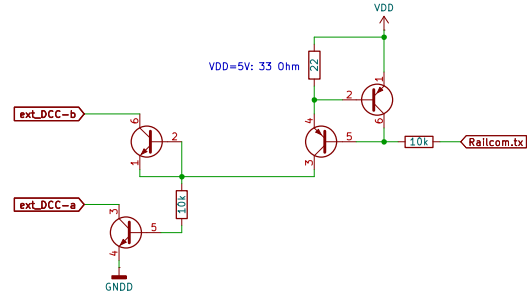
## UPDI



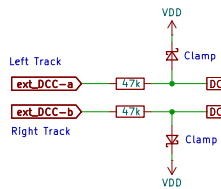
## Heartbeat LED



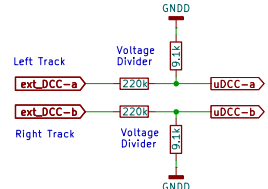
## Railcom TX



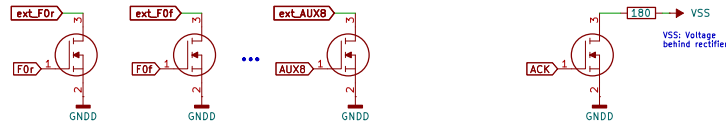
## DCC interface



## DCC voltage measure



## FL/AUX Ports



Licensed under the Apache License, Version 2

D97.0  
'naked' DCC decoder project

Frank Schumacher

Sheet: /CPU/  
File: D97cpu.kicad\_sch

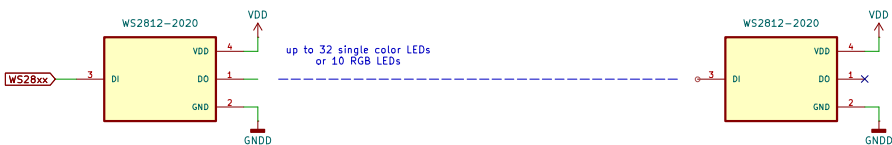
**Title: RTB D97 FN Decoder Toolkit**

Size: A4 Date: 2025-11-22  
KiCad E.D.A. 9.0.5

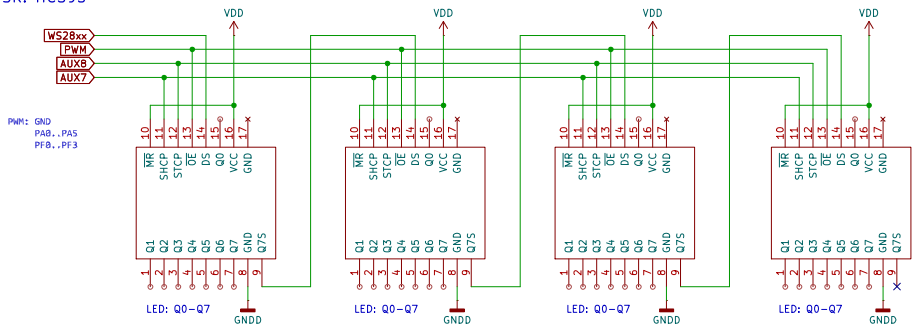
Rev: 0  
Id: 2/3

External Ports

WS: Neo Pixel



SR: HC595



Licensed under the Apache License, Version 2

D97.0  
'naked' DCC decoder project

Frank Schumacher

Sheet: /External Ports/  
File: D97prt.kicad\_sch

Title: RTB D97 FN Decoder Toolkit

Size: A4 Date: 2025-11-22  
KiCad E.D.A. 9.0.5

Rev: 0  
Id: 4/3