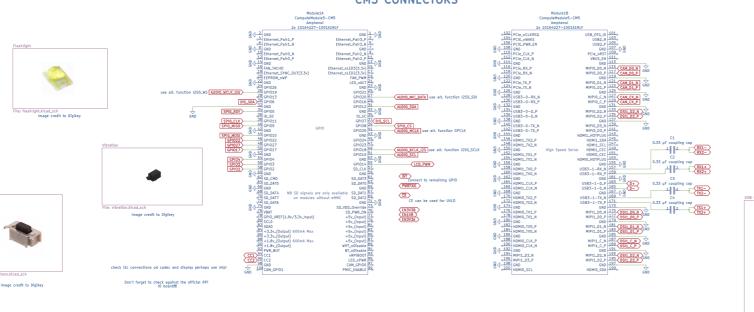
CM5 CONNECTORS













make sure the connector is in the correct posistion relative to the screen (like in case of the camera). Also make sure the cable doesn't have to bend to much

Other

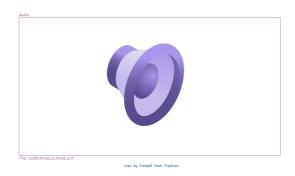
R1 thermistor (Not important, Remove if not enough gpio to use it.) $\circ^{\frac{1}{2}}$

these plns need to be connected to any remaining GPIO, they are not super important

[JACK—IN]

[CAM_IOO]

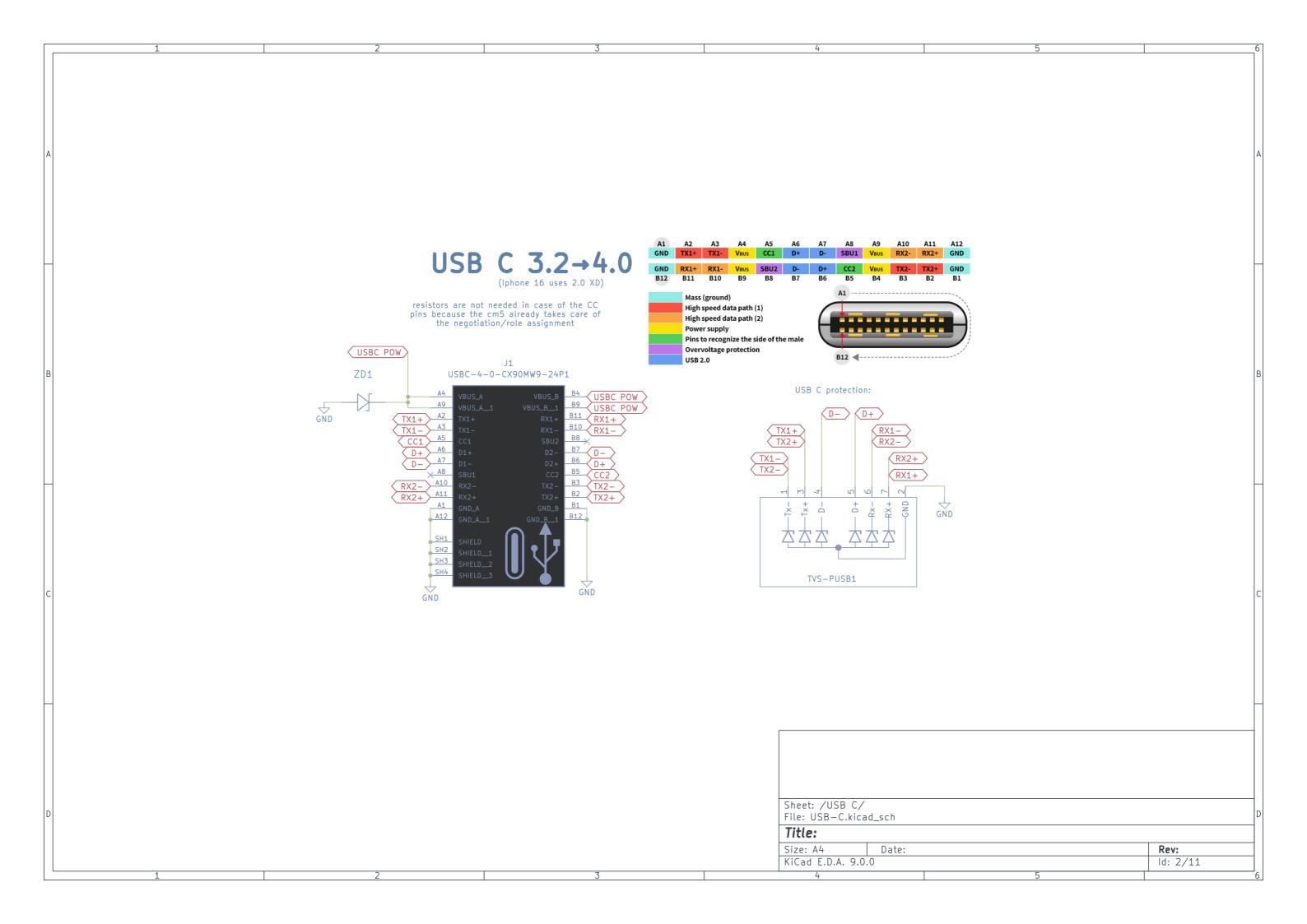


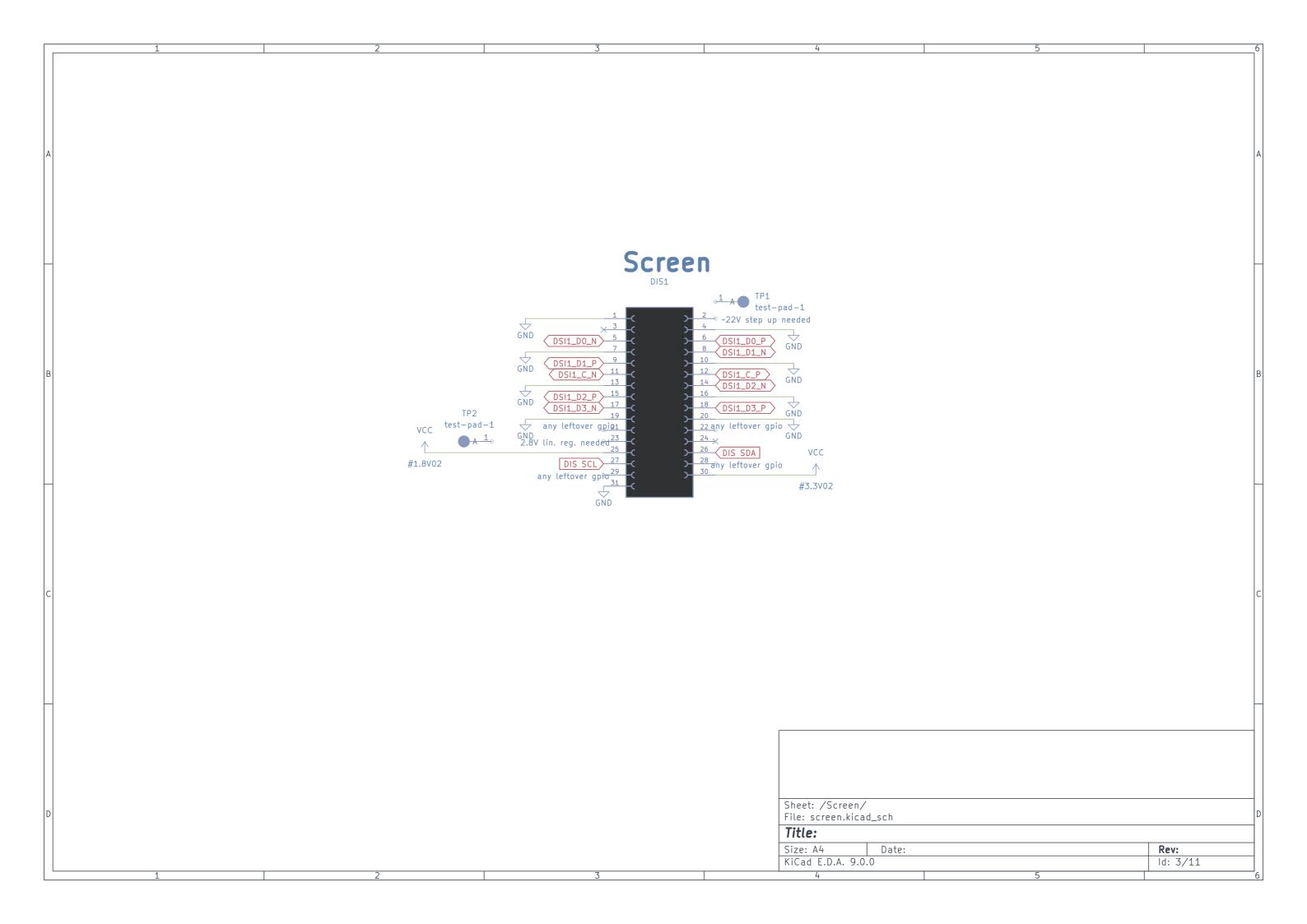




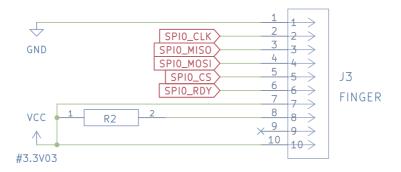
 V-Electronics

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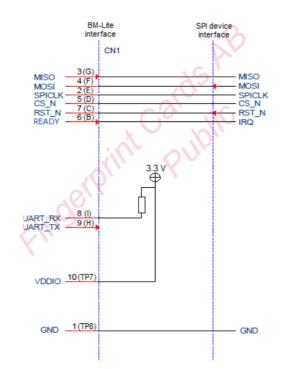




Fingerprint



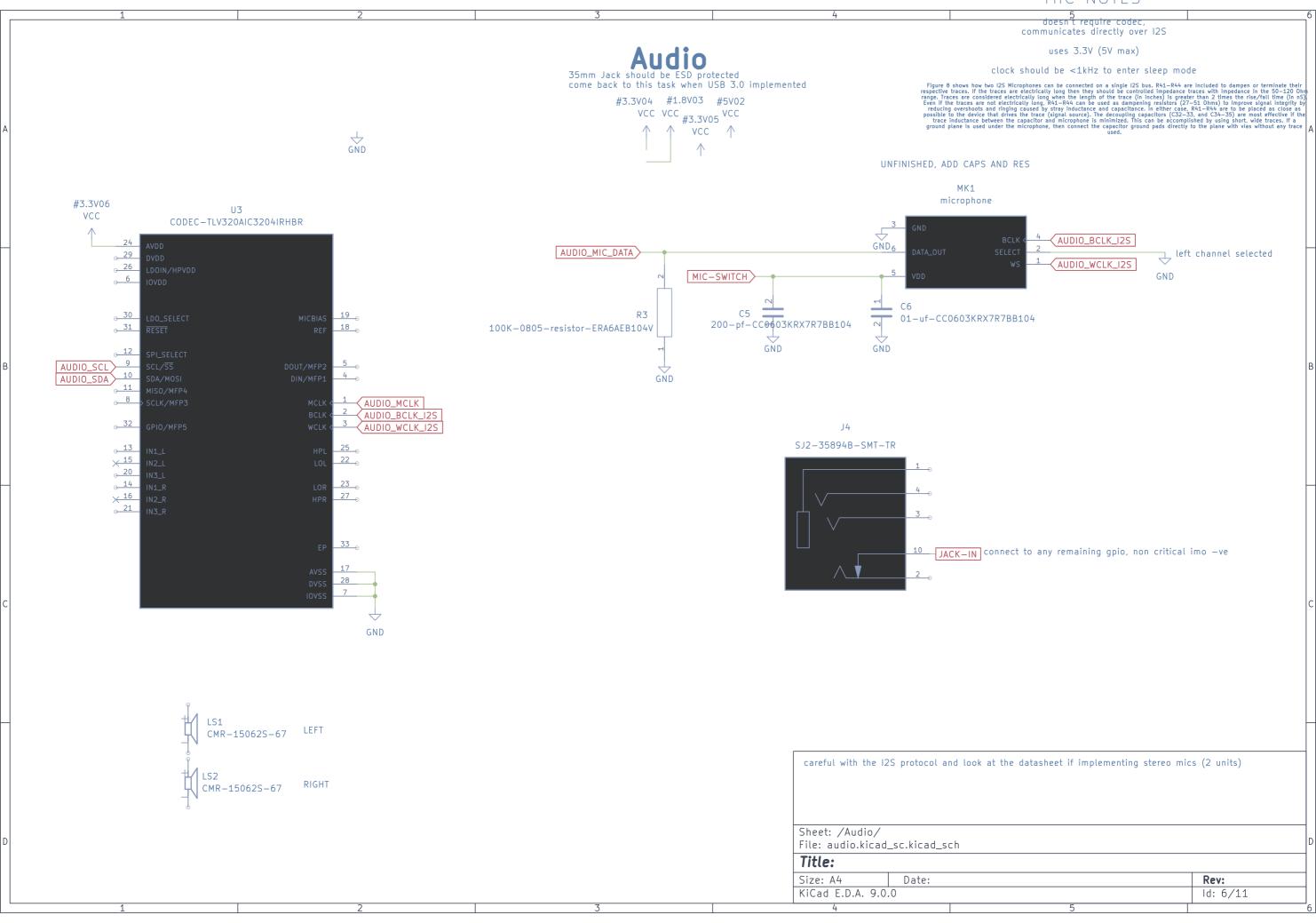
- SPI0 (primary SPI bus):
 - MOSI (Master Out Slave In) → GPIO 10 (physical pin 19)
 - MISO (Master In Slave Out) → GPIO 9 (physical pin 21)
 - SCLK (Clock) → GPIO 11 (physical pin 23)
 - CEO (Chip Select 0) → GPIO 8 (physical pin 24)
 - CE1 (Chip Select 1) → GPIO 7 (physical pin 26) pinoutxyz
- SPI1 (alternate SPI bus):
 - MOSI → GPIO 20 (physical pin 38)
 - MISO → GPIO 19 (physical pin 35)
 - SCLK → GPIO 21 (physical pin 40)
 - CEO → GPIO 18 (physical pin 12)
 - CE1 → GPIO 17 (physical pin 11) (and CE2 on GPIO 16/pin 36) pinoutxyz



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Power

Rails: Total max current: 10.6A

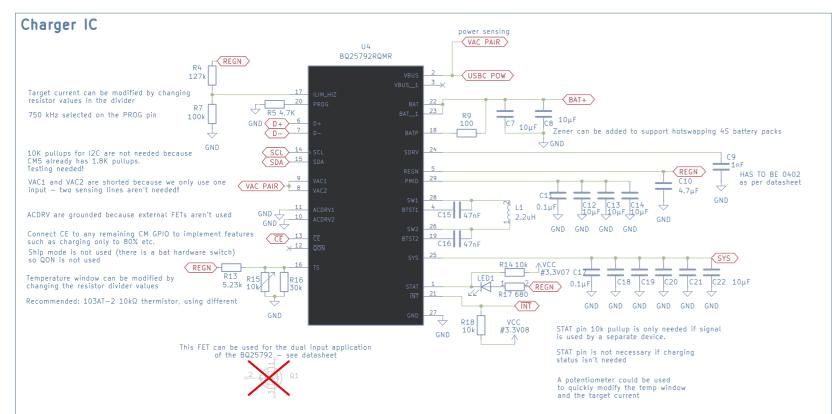
CM5 SHOULD NOT BE CONNECTED DIRECLTY TO USBC POW!!!!

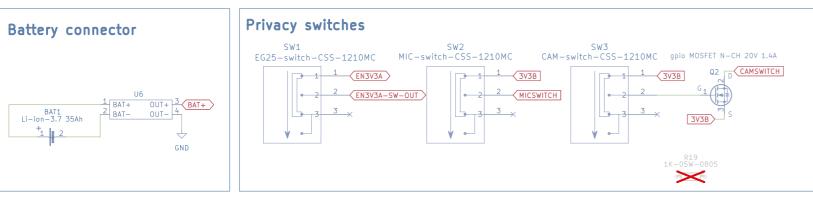
REMEMBER to implement UVLO !!!

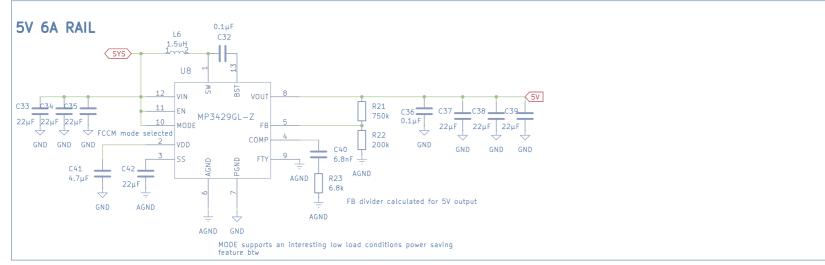
DOUBLE CHECK ALL INDUCTOR VALUES CHOSEN

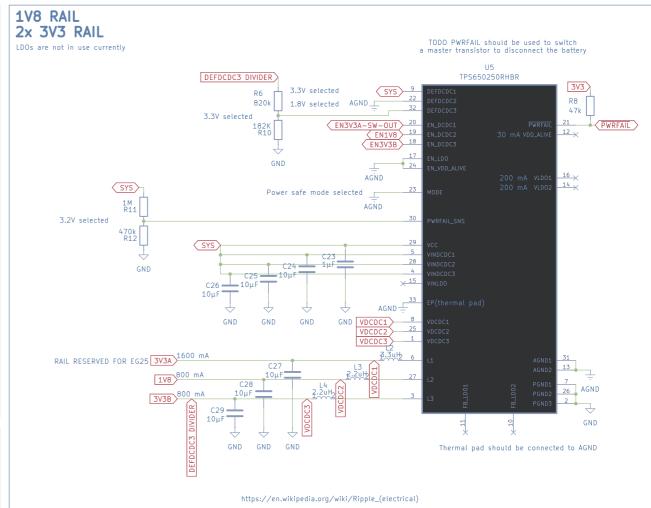
MAKE POWER BUDGET!!!

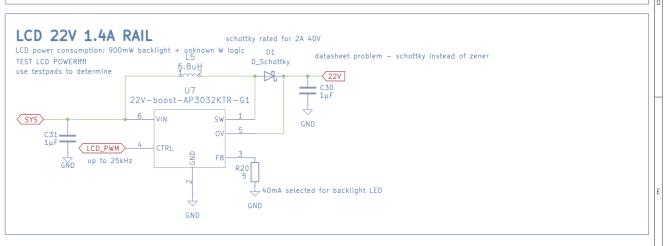
ADD TEST PADS!!!











Place the transistors and other heat sensitive components on the back of the pcb so they can be heatsinked to the chasses aluminium

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