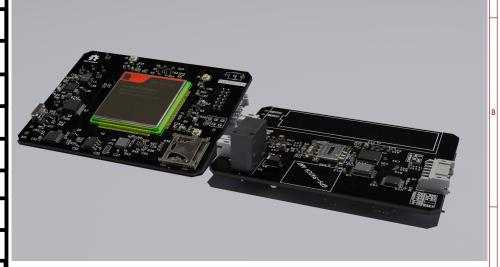
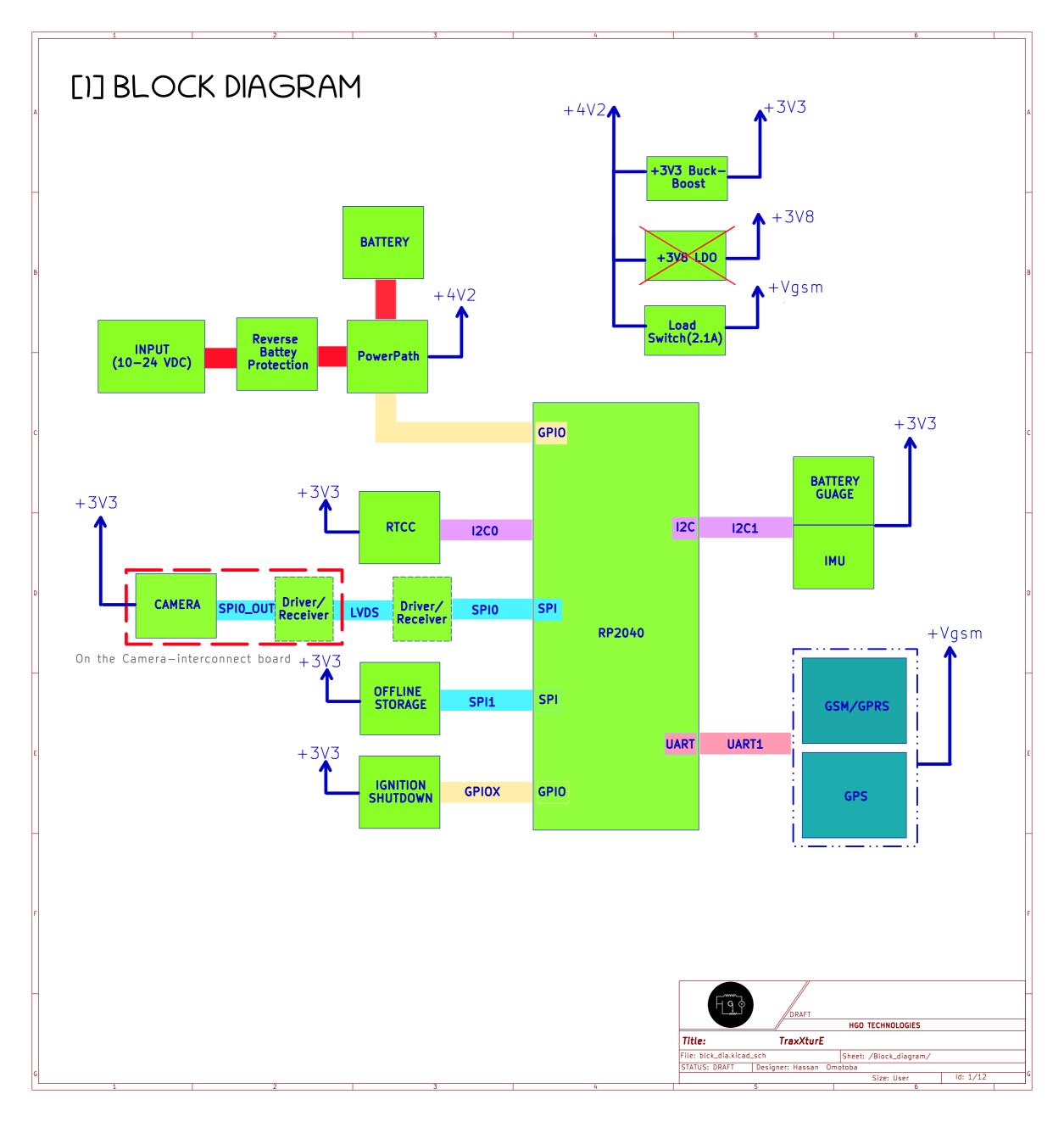
TraxXture

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CAMERA CIRCUITRY AND INTERCONNECT 10	CAMERA CIRCUITRY AND INTERCONNECT	10
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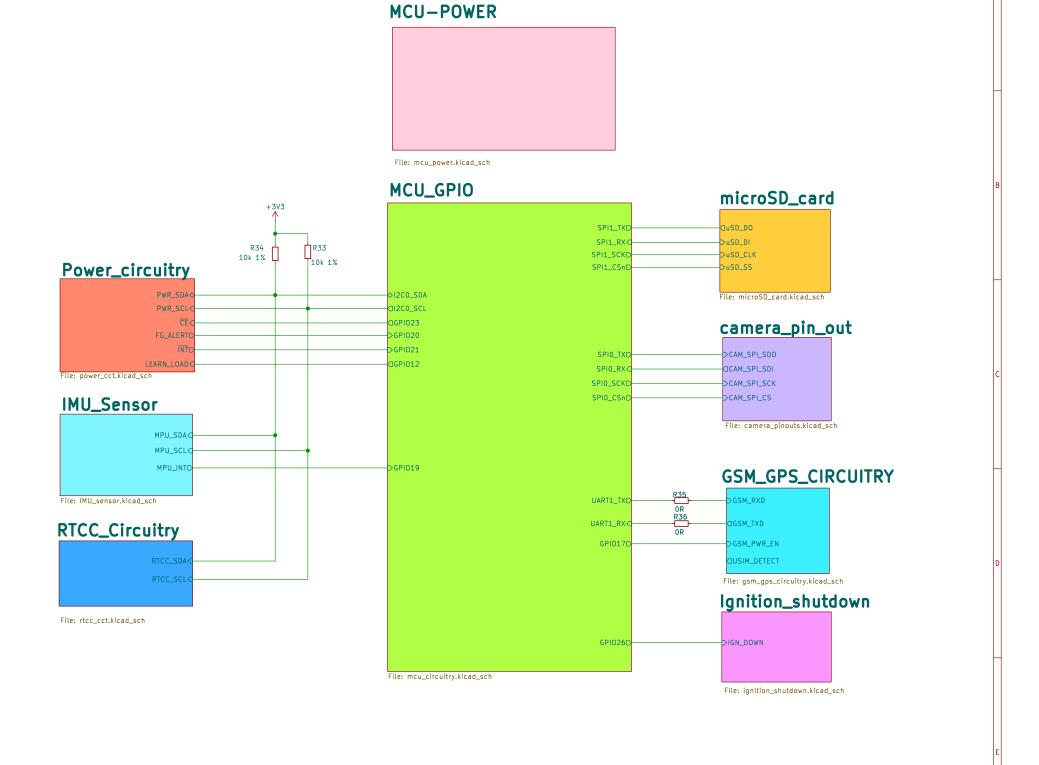


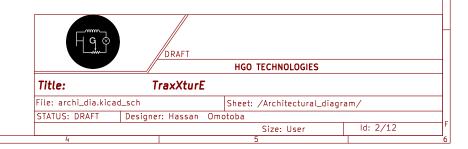


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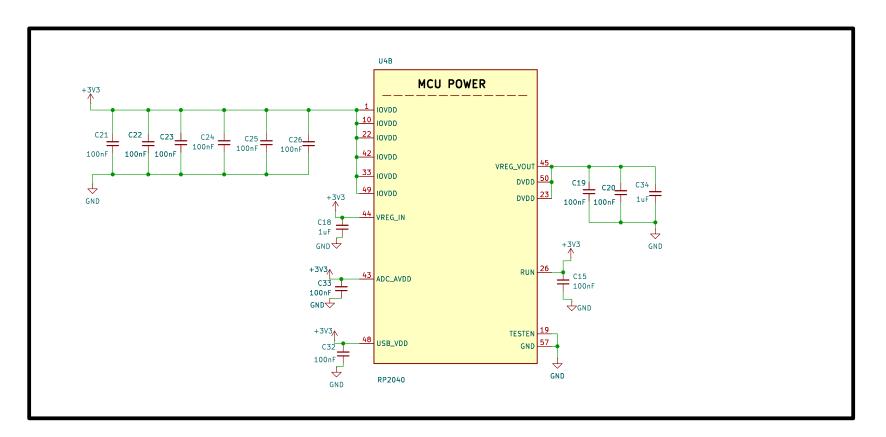


[2] ARCHITECTURAL DIAGRAM

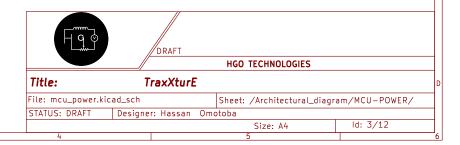




[3] MCU POWER



3.3 - **3.63**V

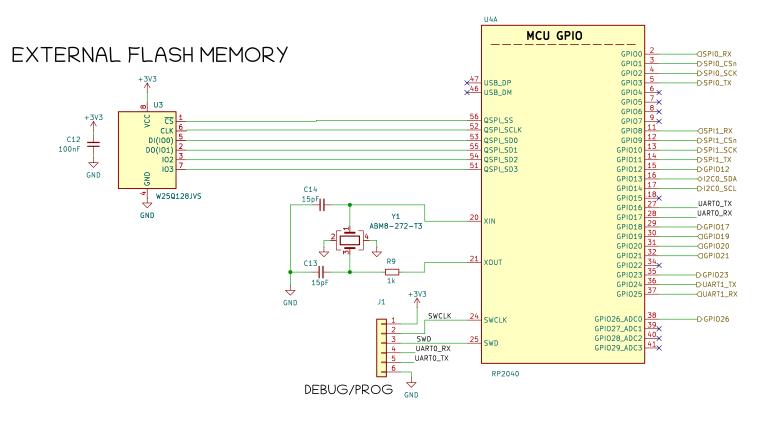


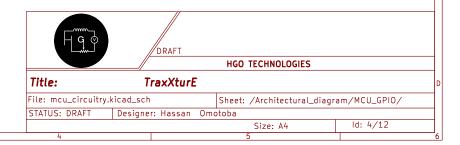
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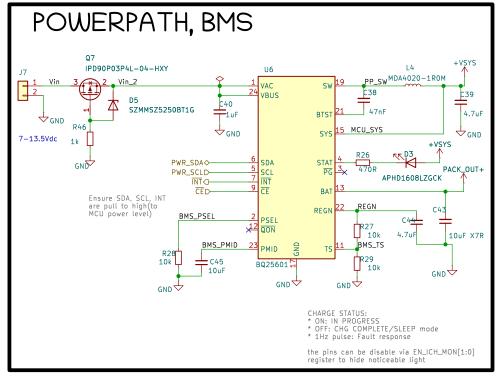
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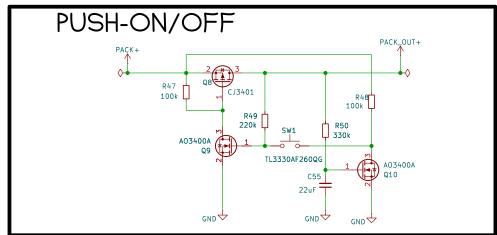
[4] MCU GPIO

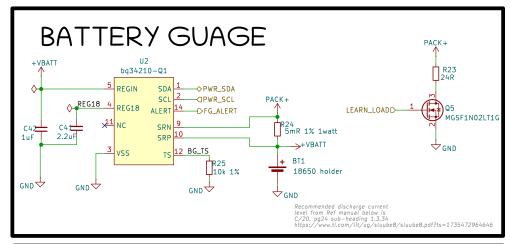


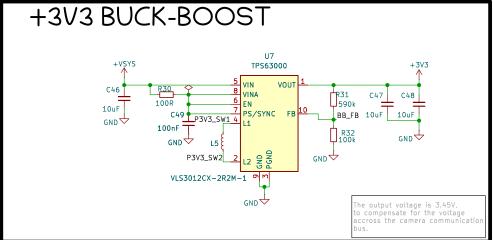


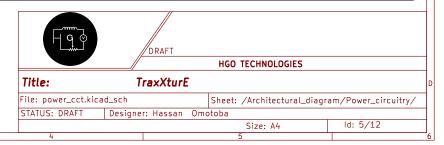
[5] POWER CIRCUITRY

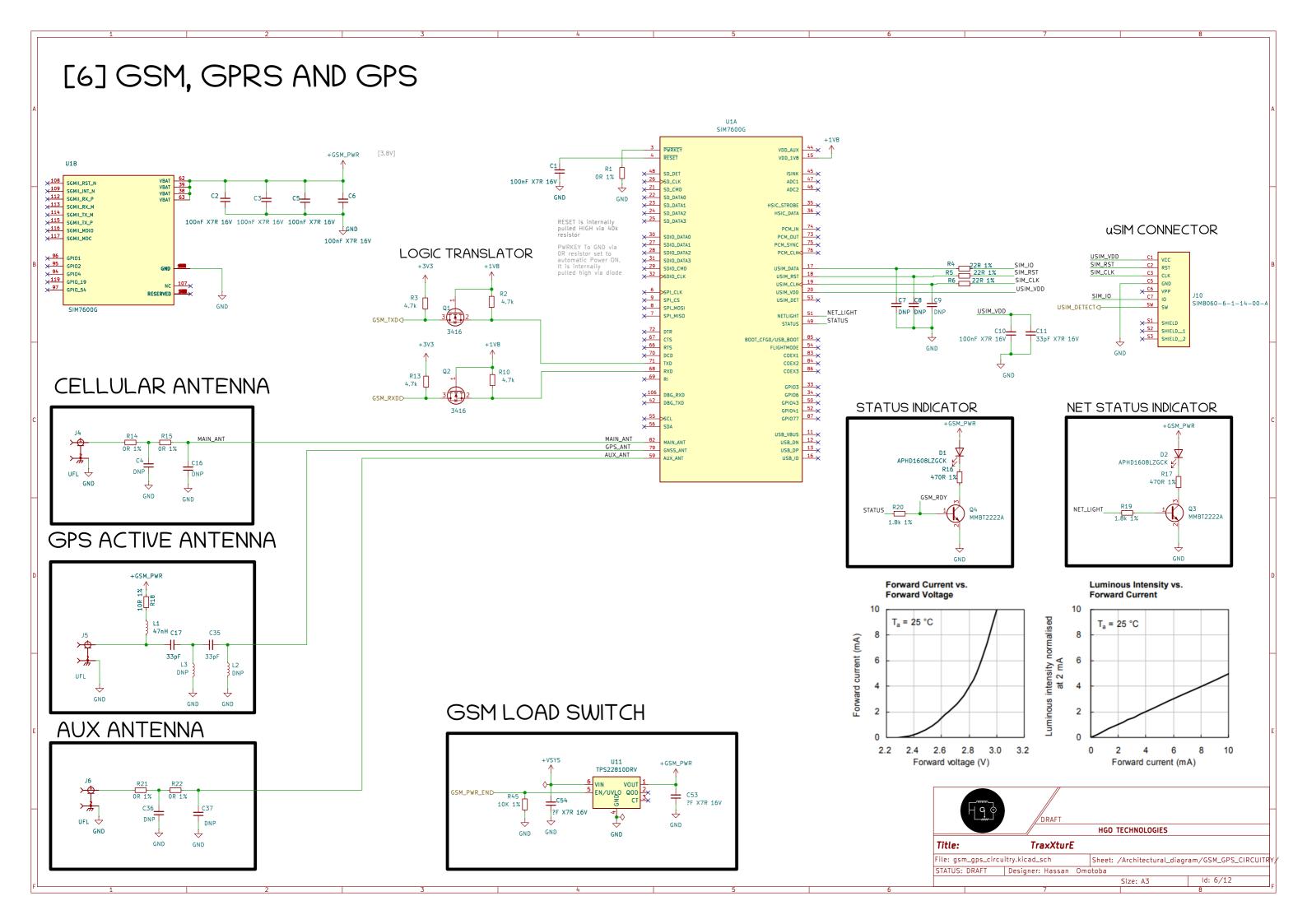




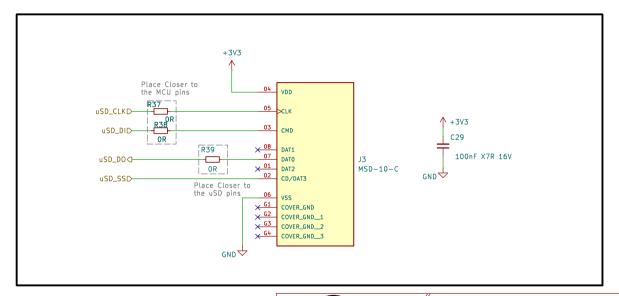


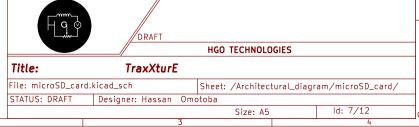




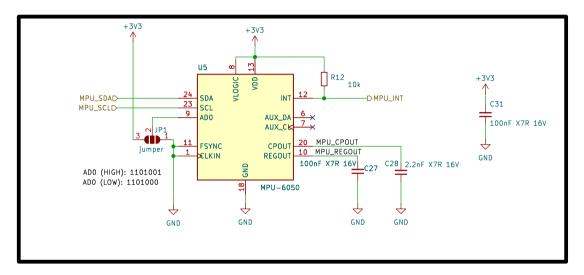


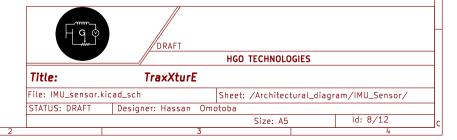
[7] MICRO-SD CARD CONNECTOR



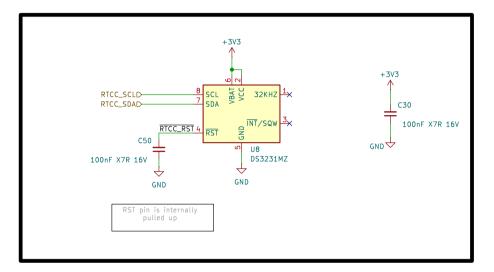






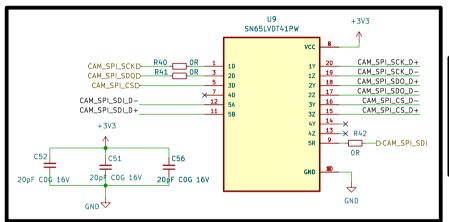


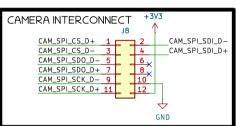
[9] RTCC



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[10] CAMERA CIRCUITRY





https://www.arducam.com/docs/arducam-mega/arducam-mega-getting-started/packs/example/PICO.html https://docs.arducam.com/Arduino-SPI-camera/MEGA-SPI/MEGA-Quick-Start-Guide/

Differential lines are internally terminated with 100R resistors

SPI converted to Low voltage differential Signal, LVDS to ensure signal intergrity at longer length (3metre)



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[11] IGNITION SHUTDOWN CIRCUITRY

