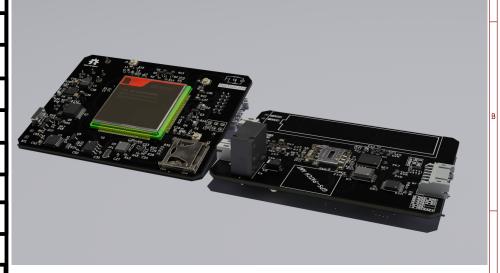
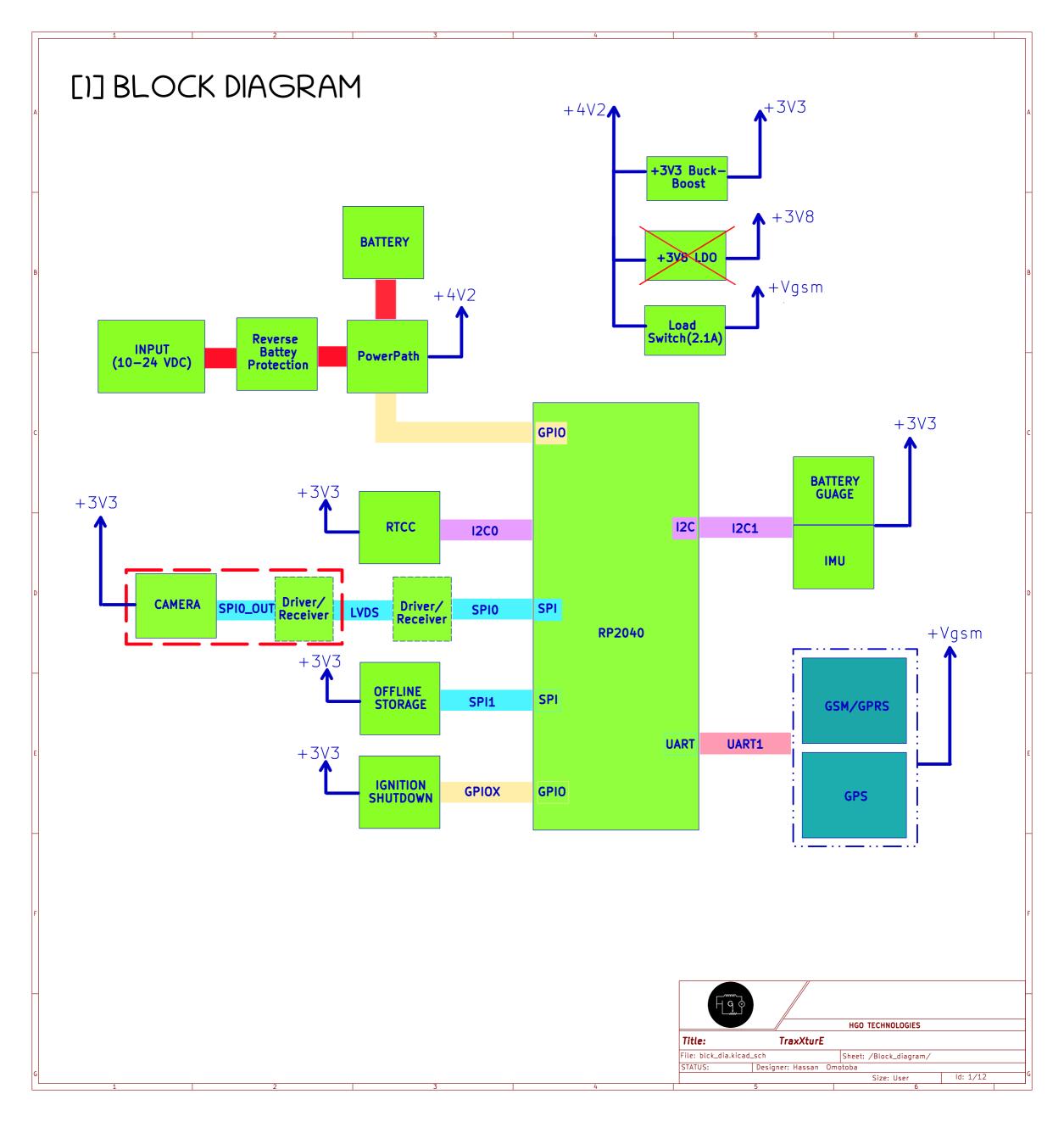
# TraxXture

CONTENT	#
BLOCK DIAGRAM	1
ARCHITECTURAL DIAGRAM	2
MCU-POWER	3
MCU-GPIO	4
POWER CIRCUITRY	5
GSM-GPS CIRCUITRY	6
MICROSD CARD	7
IMU-SENSOR	8
RTCC-CIRCUITRY	9
CAMERA CIRCUITRY AND INTERCONNECT	10
IGNITION-CONTROL CIRCUITRY	11
REVISION HISTORY	12

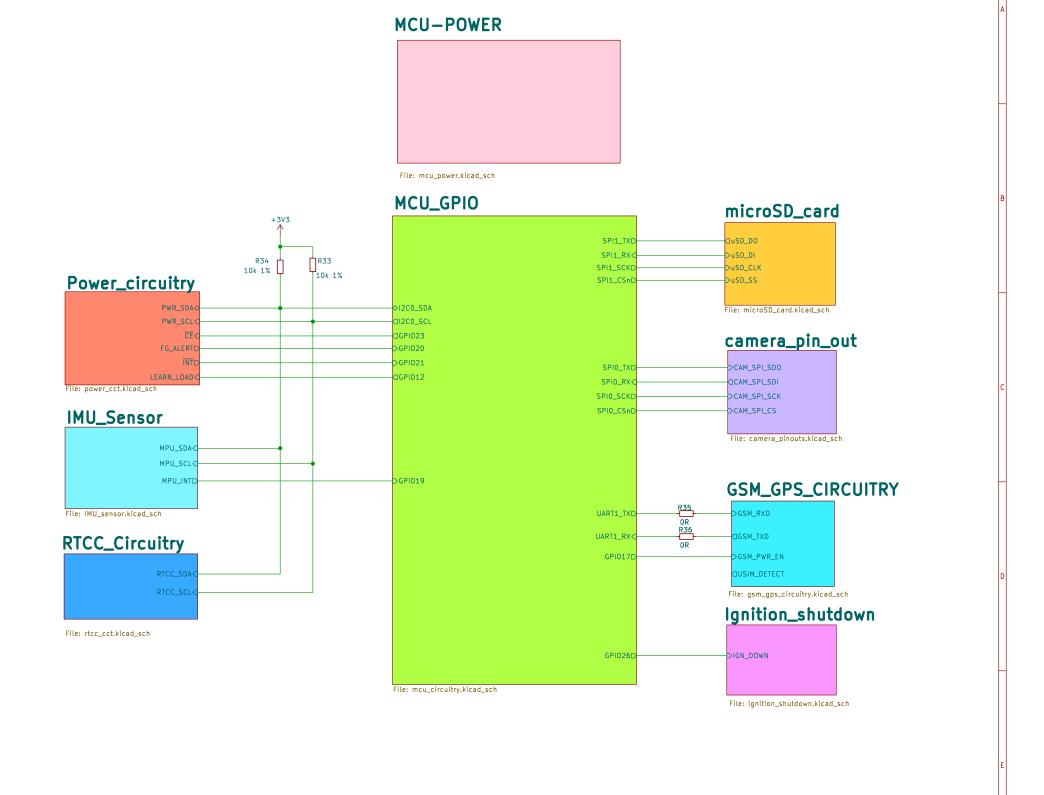


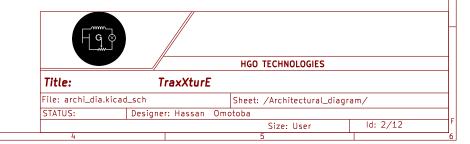


Figs	//			HGO	TECHNOLOGIES		
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STATUS:	Designe	r: Hassan	Om	otoba	Version: 1.0	Rev: 0.0	
KiCad E.D.A. 8.0.8	Date:				Size: A4	ld: 0/12	
	•				5	1	—,

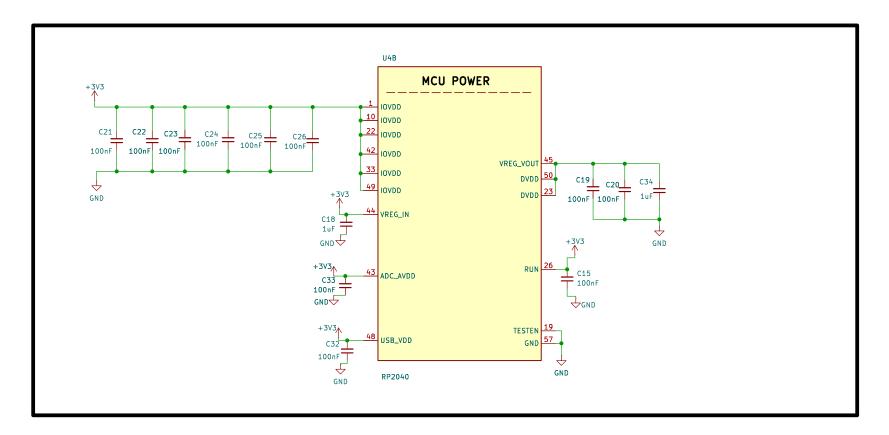


## [2] ARCHITECTURAL DIAGRAM

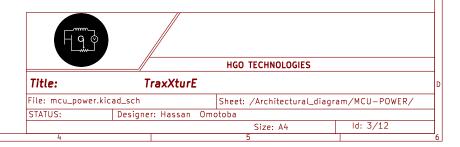




## [3] MCU POWER



**3.3** - **3.63**V

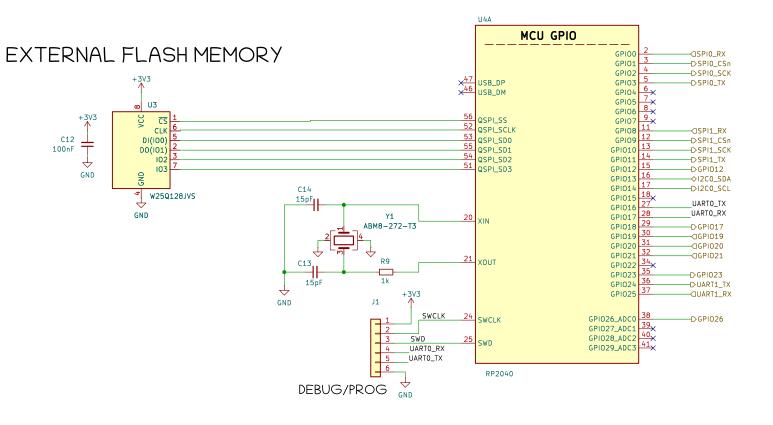


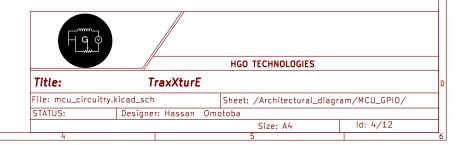
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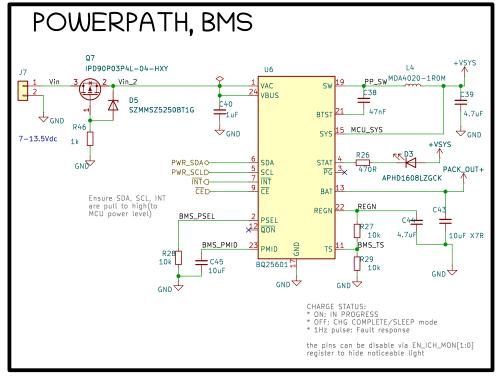
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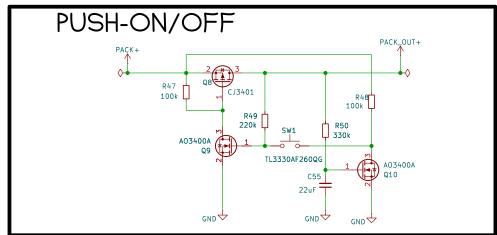
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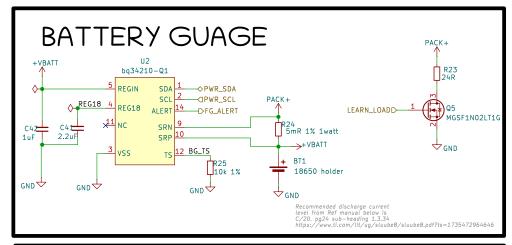


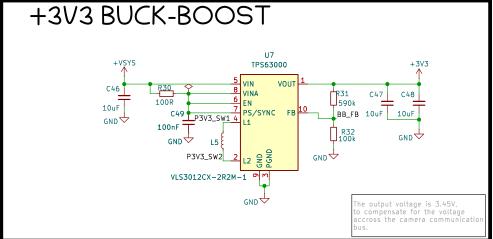


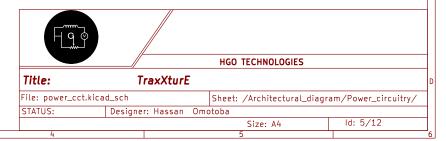
#### [5] POWER CIRCUITRY

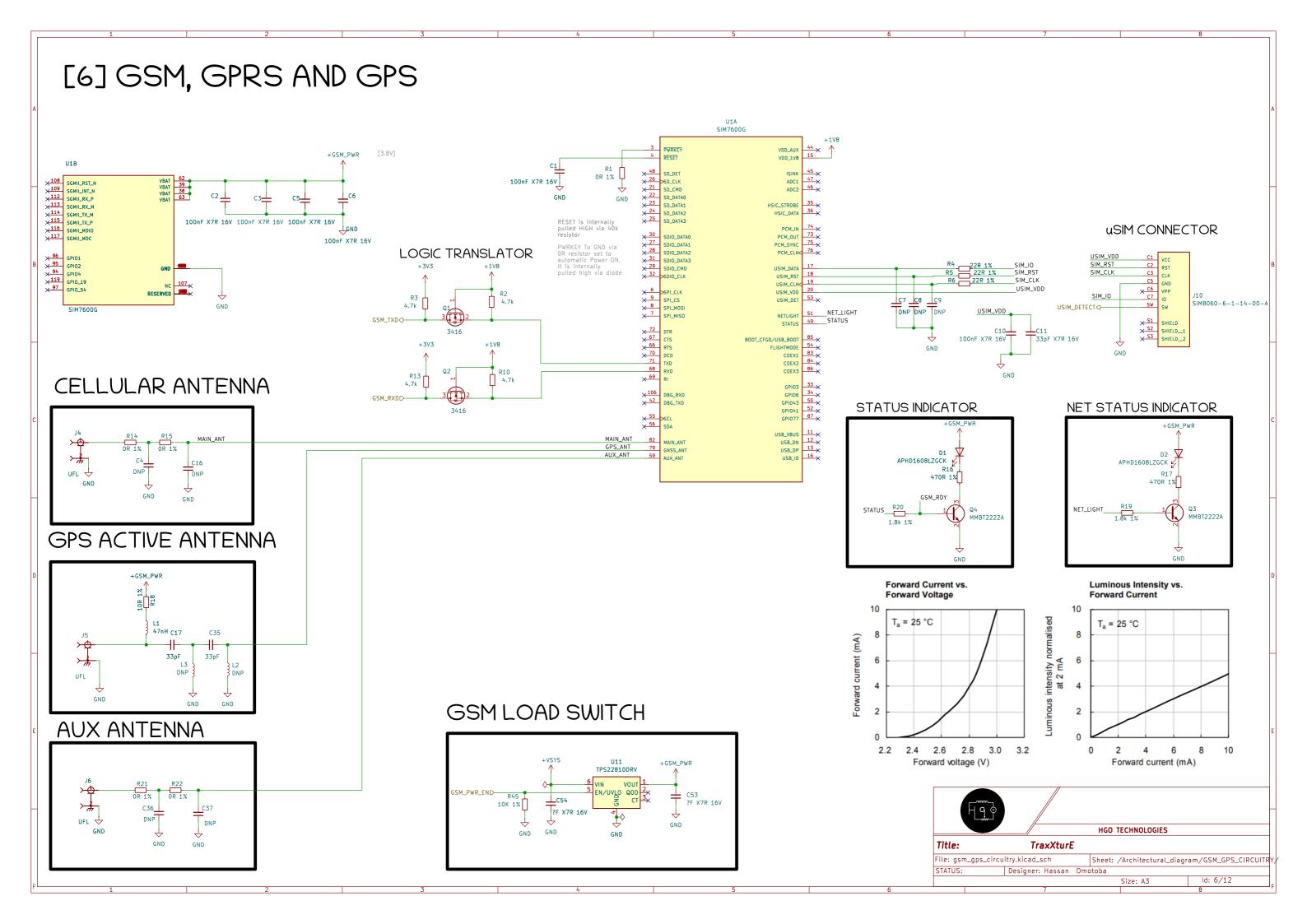




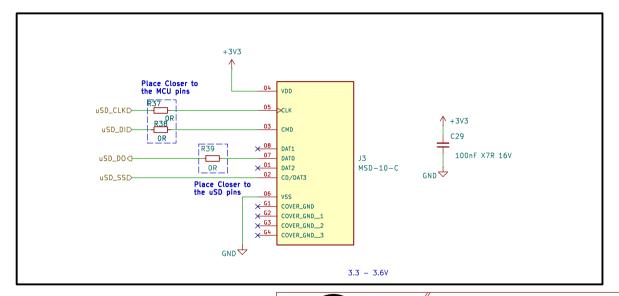


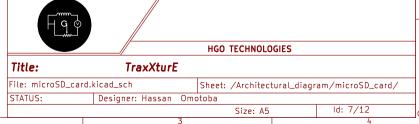




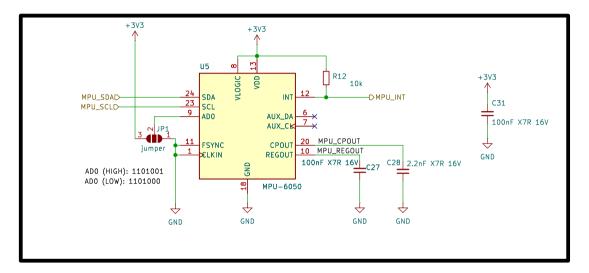


#### [7] MICRO-SD CARD CONNECTOR









FG		HGO TECHNOLOGIES		
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[9] RTCC

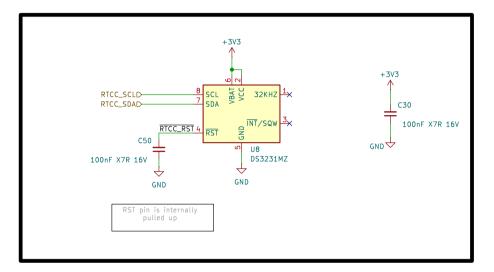
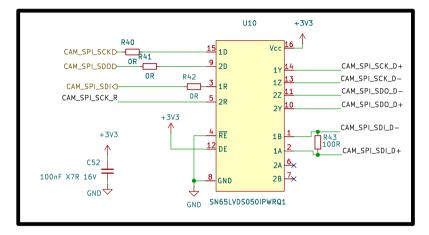


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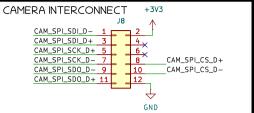


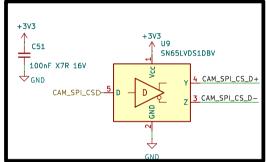


SPI converted to Low voltage differential

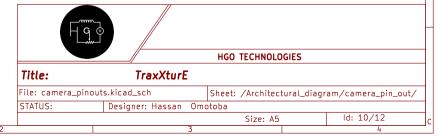
longer length (3metre)

Signal, LVDS to ensure signal intergrity at





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/



# [11] IGNITION SHUTDOWN CIRCUITRY

