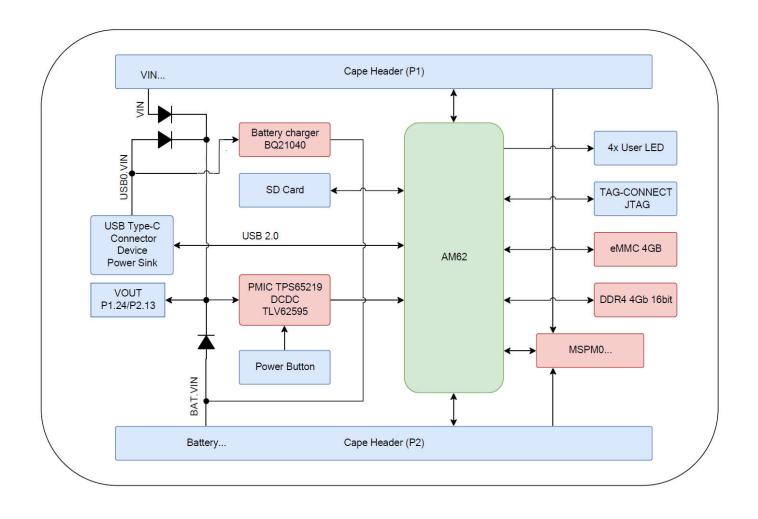
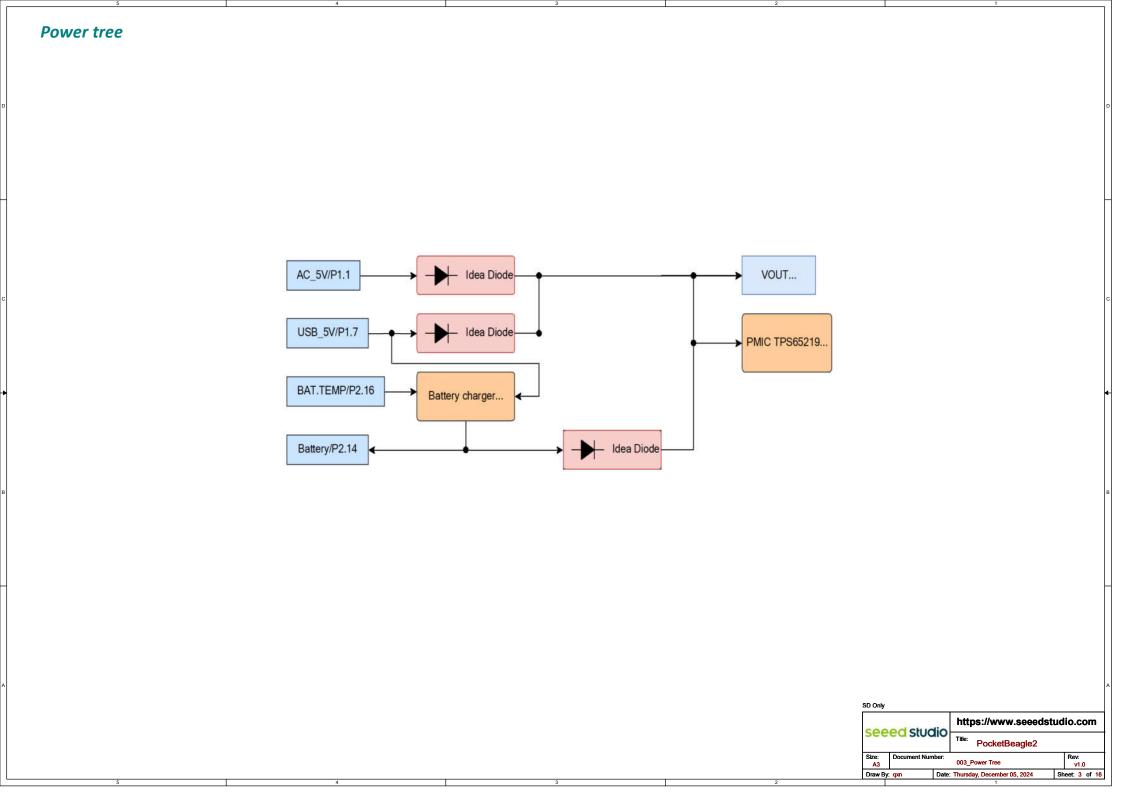
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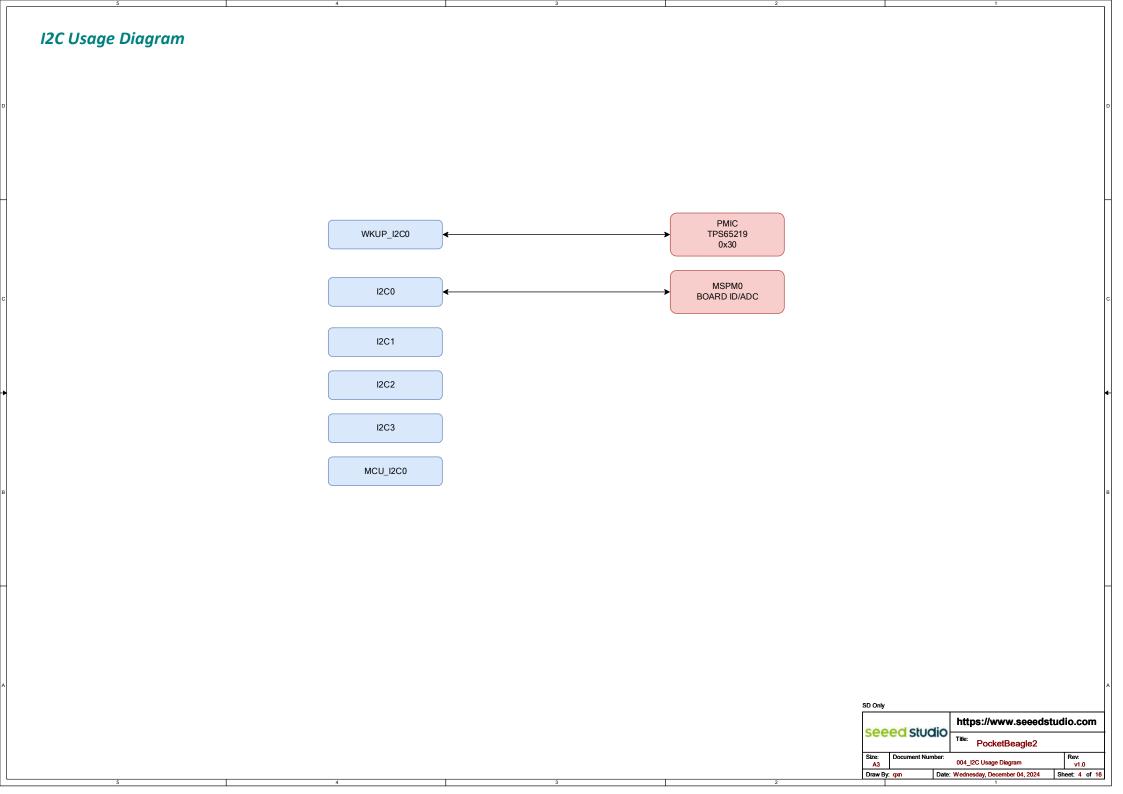
REVISION HISTORY				
VER#	DATE	DESCRIPTION OF CHANGES	AUTHOR	
0.1	28 Oct. 2022	First release	qxn	
0.2	1 Nov. 2022	1. Remove unused nets 2. Use WKUP_12C0 for PMIC 3. Add pull-down to VPP 4. Move eEMMC_RSTn to GPIO0_7 5. Add USER button for boot mode seletion 6. Try to add a CSI connector 7. Using processor boall numbers for signal name on P1 and P2 8. Change SoC to AM6232, change eMMC to 4GB, change DDR to 512MB	qxn	
0.3	2 Nov. 2022	1. Remove CSI 2. Add SD card, move LD00 to VDD_SD 3. Power the VPP with VDD_1V8 through a jumper 4. Connect P2.19 to AC20 instead	qxn	
0.4	23 Dec.2022	1. Replace the ideal diode with LM73100RPWR 2. Replace EEPROM and ADC with MSPM0 3. Correct the boot settings 4. Connect AD24(MDC) to P2.17 and AB22(MDIO) to P2.20 which is same as pocketbealge.	qxn	
0.5	28 Dec.2022	1. Add B5 (MCU_UARTO_RXD) to P2_5. 2. Add A5 (MCU_UARTO_TXD) to P2_7. 3. Add A18 (EXT_REFCLK1) to P1_10. 4. Add AD24 (MDIO0_MDC) to P2_1. 5. Add AB22 (MDIO0_MDIO) to P2_3.	qxn	
0.6	09 Oct.2023	1. Add a buffer on reset 2. Correct typo - WKUP_I2C0_SDL 3. Add decoupling capacitors for LM73100 4. Change R44 to 100k 0.1% 5. Add pulldown resistors on RESETSTATz and PORZ_OUT 6. Correct the ideal diode control logic 7. Change C17 to 10uF 8. Change the SD card holder to lower profile with insertion detection 9. Move C11 to be in parallel with R260 10. Add pullup resistors to WKUP_I2C0 11. Add voltage divider on USB1_VBUS	qxn	
0.7	05 Mar.2024	1. Add 3-pin JST connector for UART debug 2. Add buffer to debug UART	qxn	
0.8	21 Nov.2024	Fix typo of `debug' in schematic Correct ideal diode control logic.	qxn	
0.9	3 Dec.2024	1. Modify the boot order of non-emmc version, add a pull-down resistor on non-emmc version to force SD boot as primary boot	qxn	
1.0	20 Dec.2024	 Change USB_5V to charger input to prevent battery voltage flowing back to the charger input through the ideal diode, causing charger indicator light problems Change the main MPU to AM6232ASGGHAALW which has PRU Change ADC MCU to MSPM0L1105 	qxn	

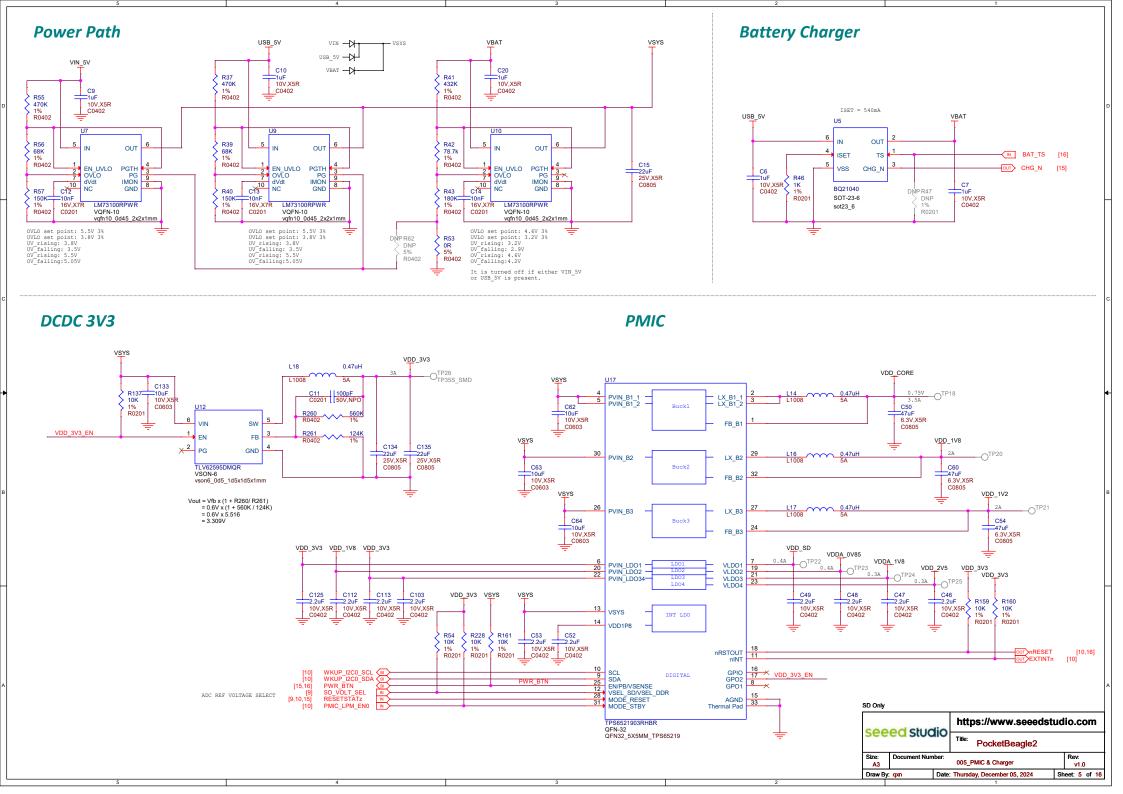


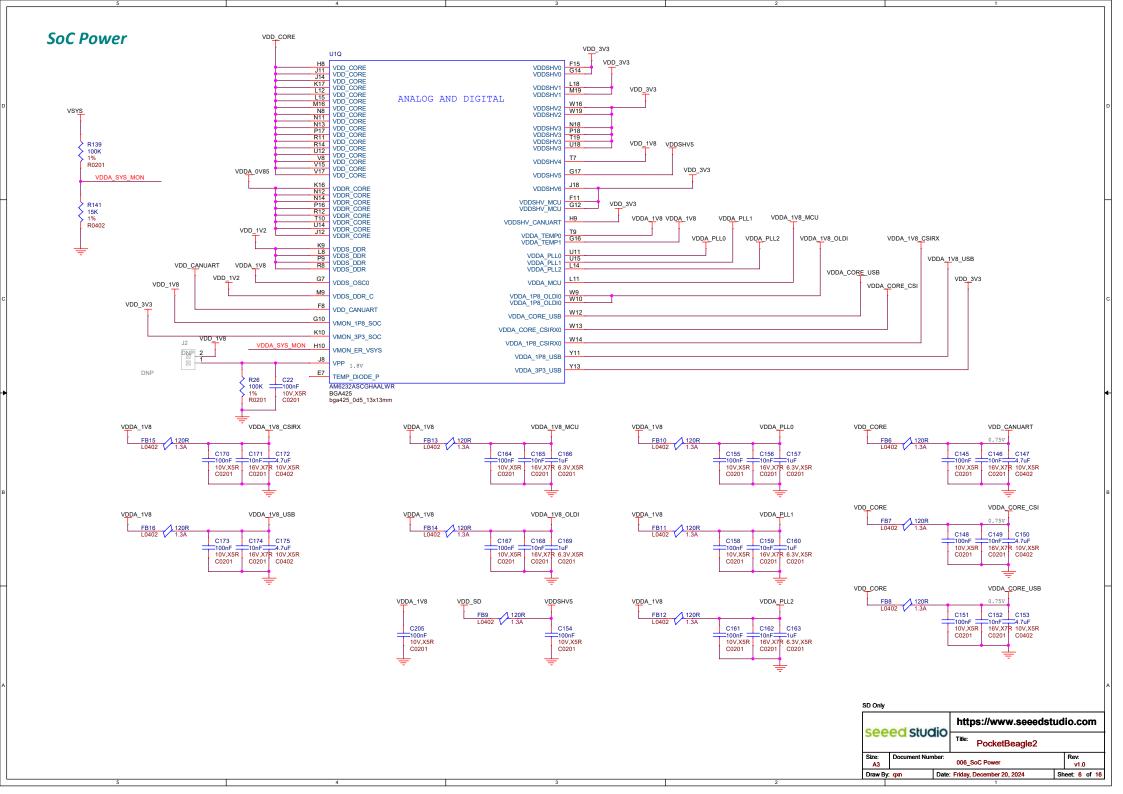
Block Diagram

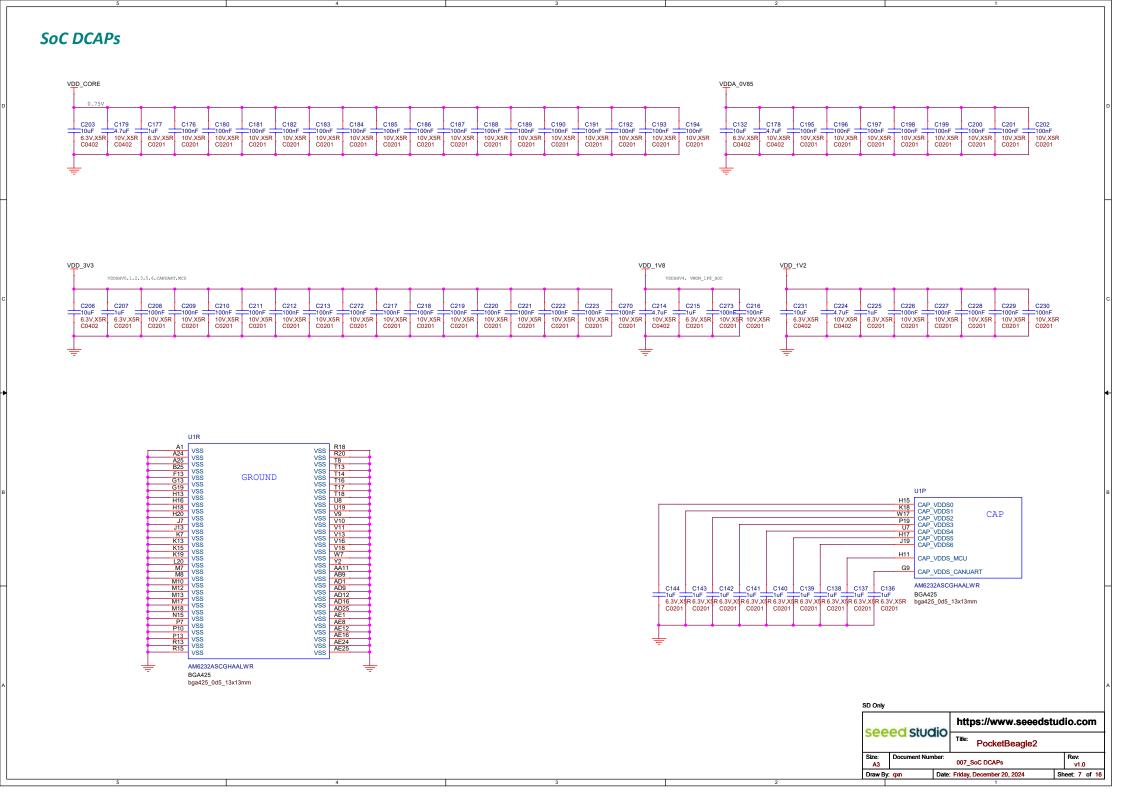


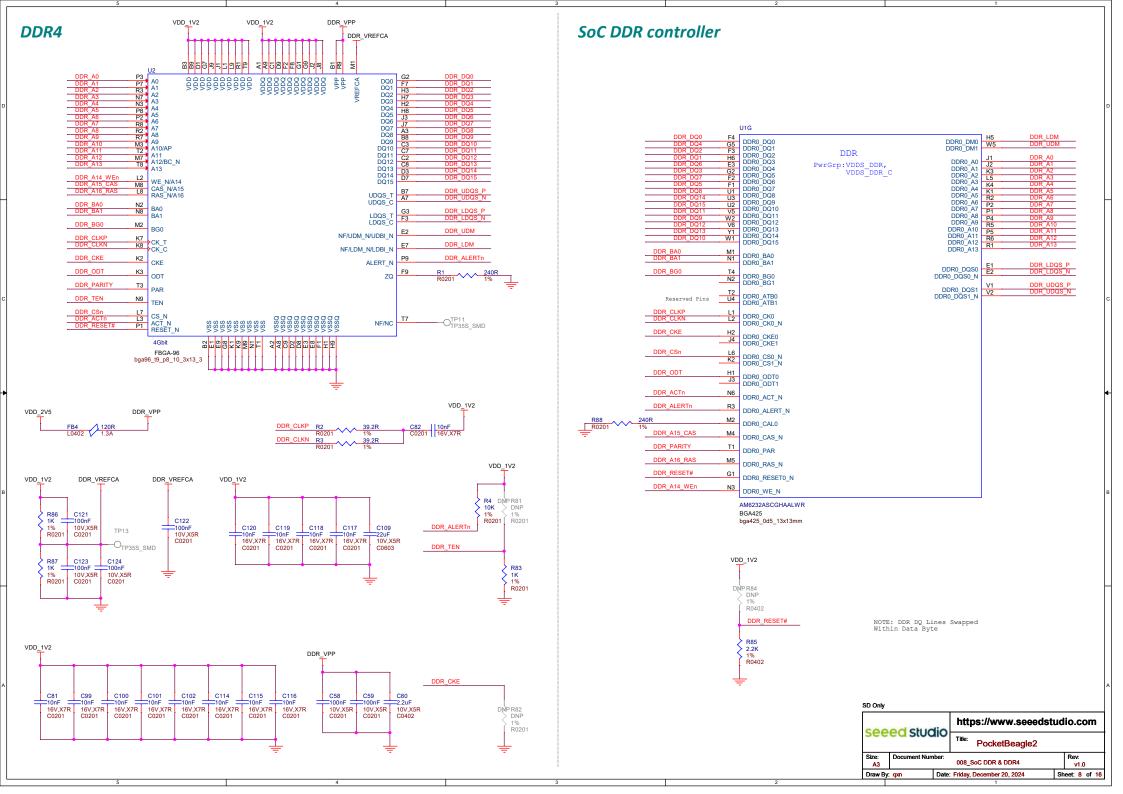


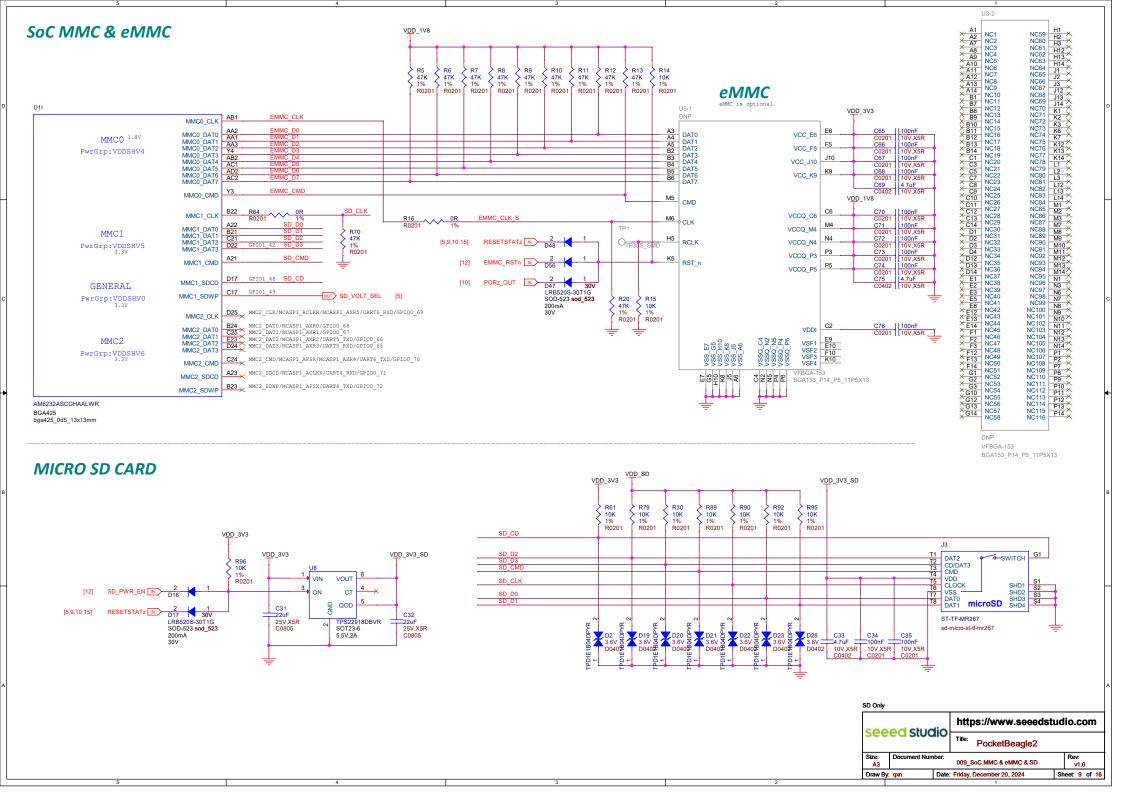


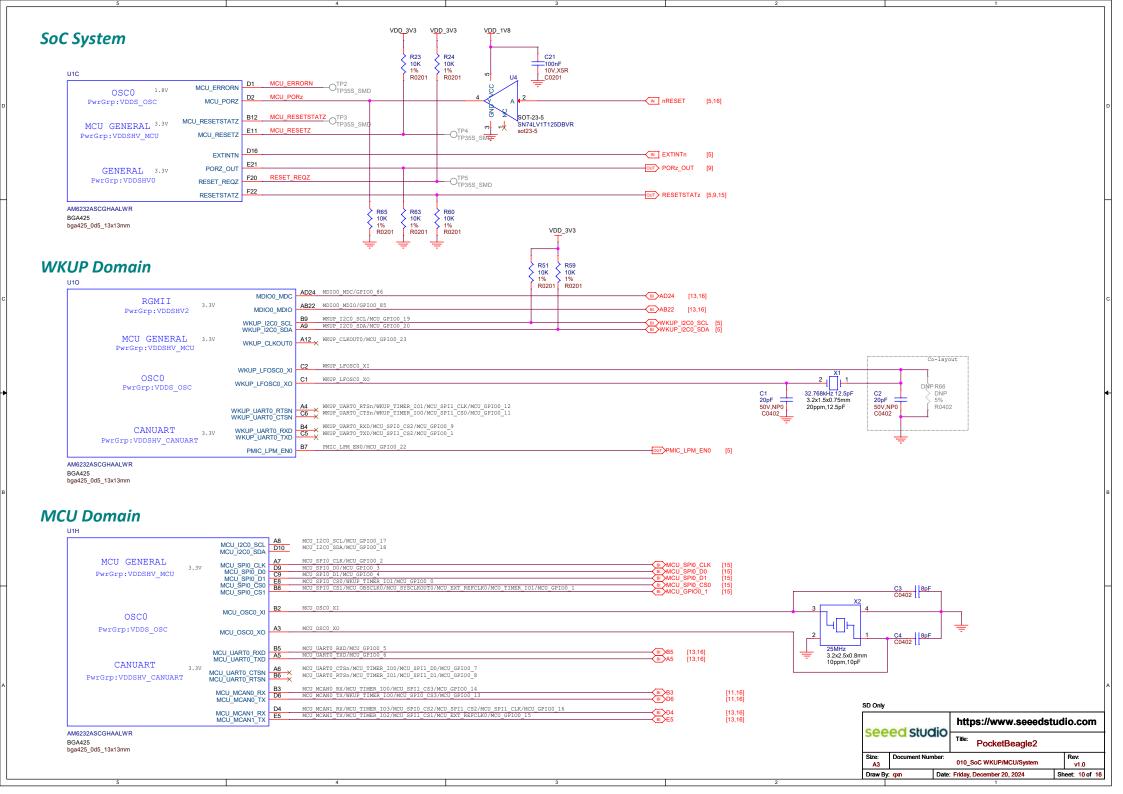


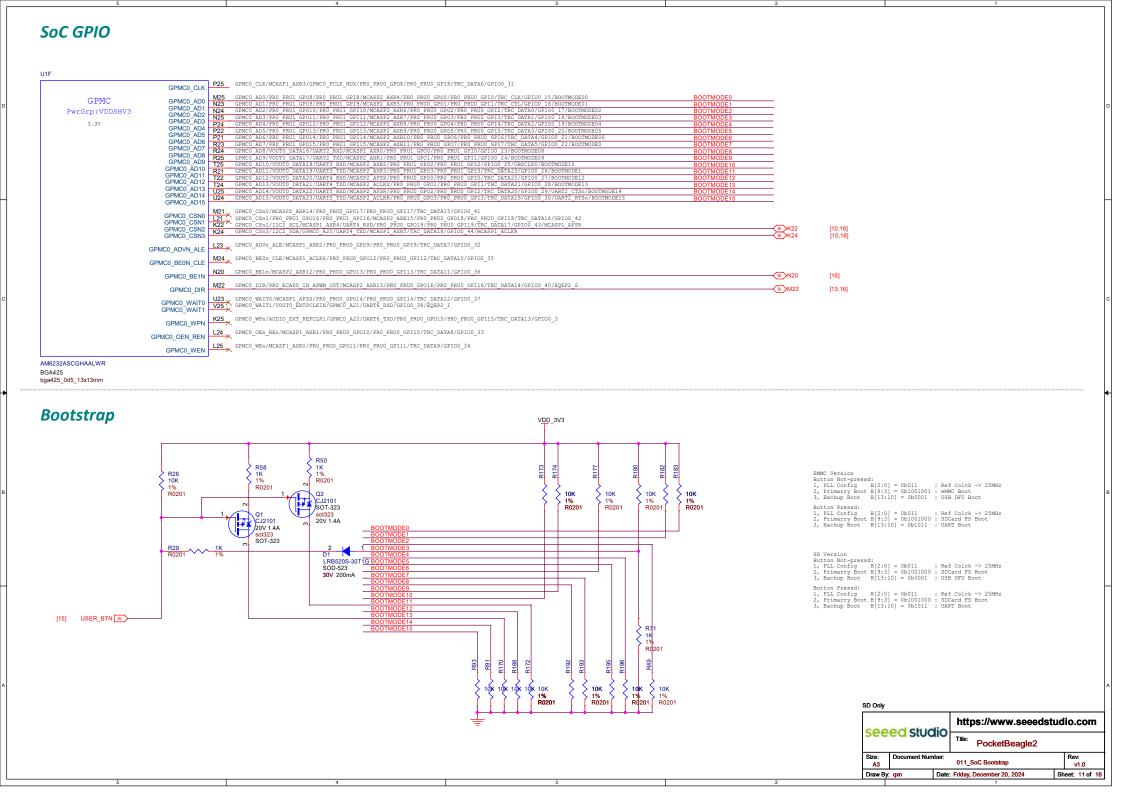


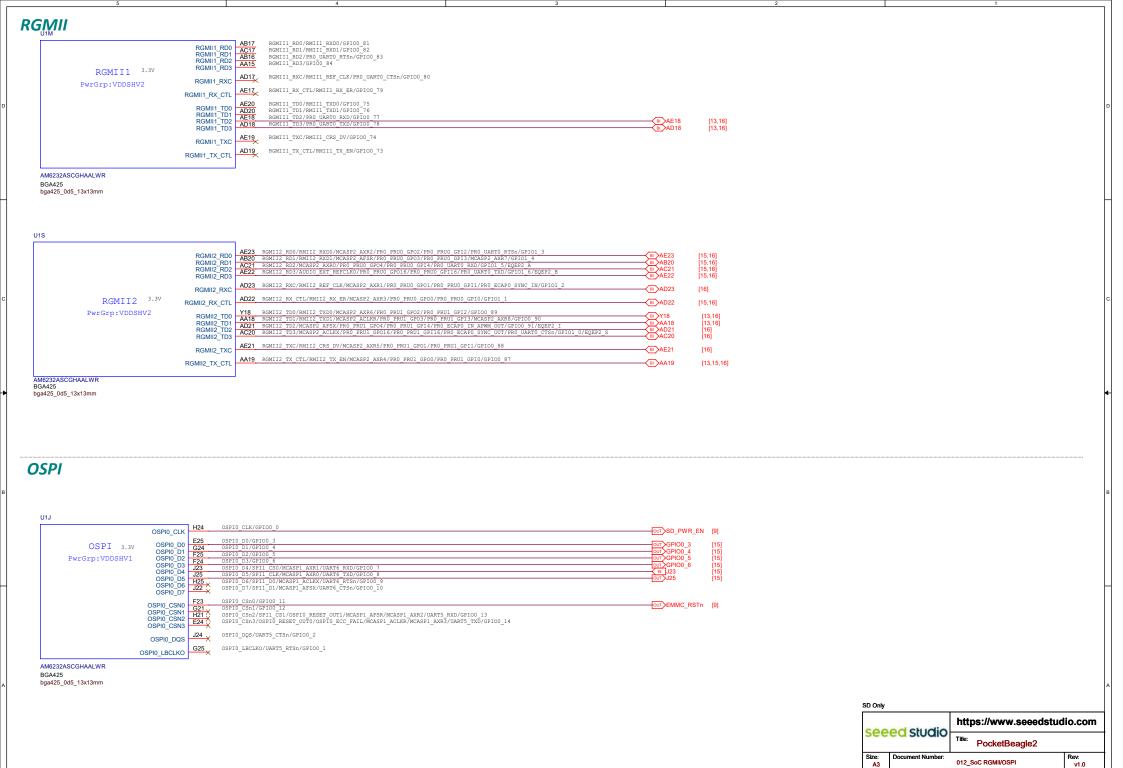












Date: Friday, December 20, 2024

Draw By: qxn

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