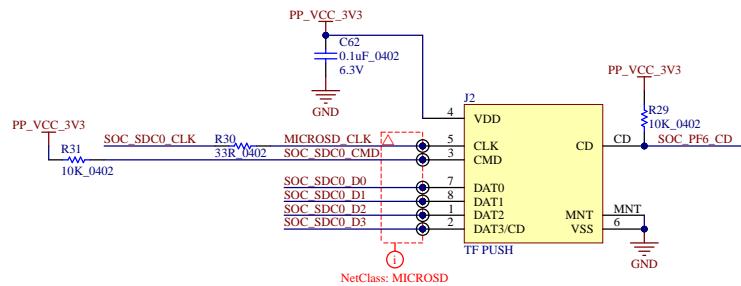
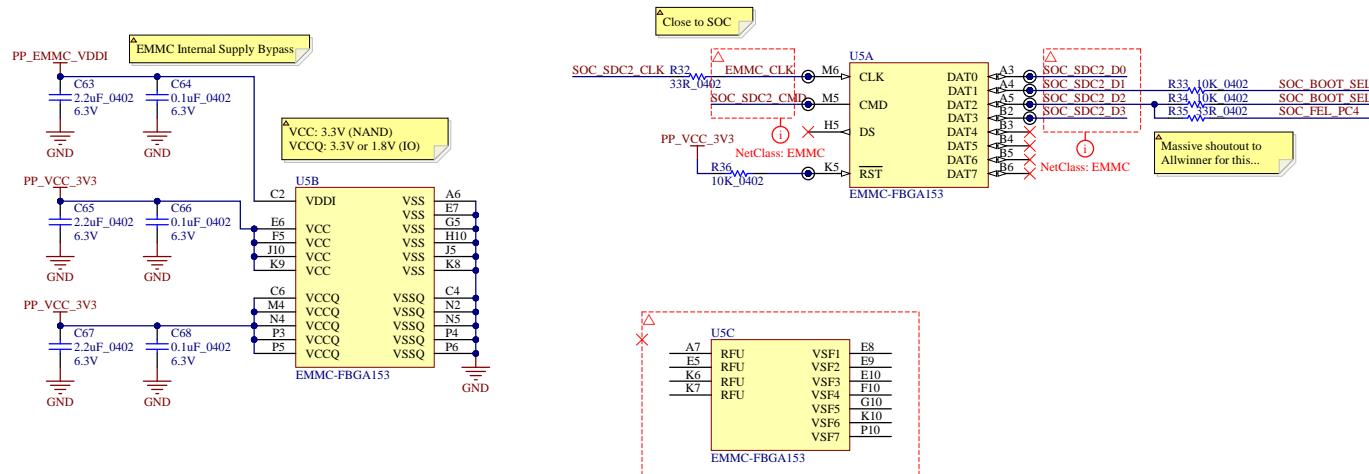


A



B



C

Title: Winglet MicroSD &amp; eMMC

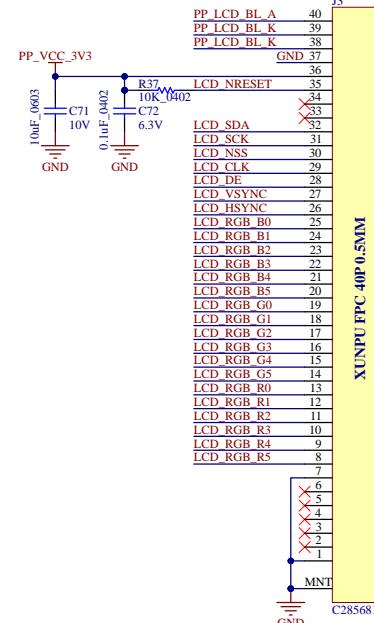
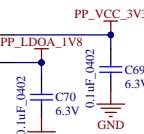
Size: B Project: WINGLET Revision: A

Date: 10/28/2024 Sheet 4 of 10

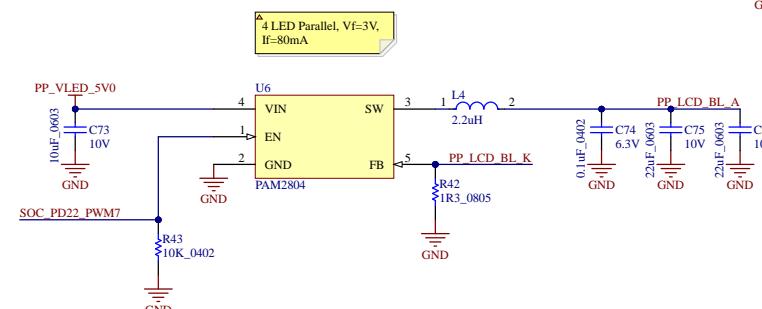
Drawn By: HCAdam



	U4C	VCC_LV
LCD_RGB_B0	55	
LCD_RGB_B1	56	
LCD_RGB_B2	57	
LCD_RGB_B3	58	
LCD_RGB_B4	59	
LCD_RGB_B5	60	
LCD_RGB_G0	61	
LCD_RGB_G1	62	
LCD_RGB_G2	63	
LCD_RGB_G3	64	
LCD_RGB_G4	65	
LCD_RGB_G5	66	
LCD_RGB_R0	67	
LCD_RGB_R1	68	
LCD_RGB_R2	69	
LCD_RGB_R3	70	
LCD_RGB_R4	71	
LCD_RGB_R5	72	
LCD_DE	73	
LCD_HSYNC	74	
LCD_VSYNC	75	
SOC_PDD_PWM7	52	
PD1/LCD_D2/LDVDS0_V0P/DSL_D0P/TW10_SCK/PD_EINT0		
PD1/LCD_D3/LDVDS0_V0N/DSL_D0N/UART2_TX_PD_EINT1		
PD1/LCD_D4/LDVDS0_V1P/DSL_D1P/UART2_RX_PD_EINT2		
PD3/LCD_D5/LDVDS0_V1N/DSL_D1N/UART2_RTS_PD_EINT3		
PD4/LCD_D6/LDVDS0_V2P/DSL_CKP/UART2_CTS_PD_EINT4		
PD5/LCD_D7/LDVDS0_V2N/DSL_CKN/UART2_TXD_PD_EINT5		
PD6/LCD_D10/LDVDS0_CKP/DSL_D2P/UART5_RX_PD_EINT6		
PD7/LCD_D11/LDVDS0_CKN/DSL_D2N/UART4_TX_PD_EINT7		
PD8/LCD_D12/LDVDS0_V3P/DSL_D3P/UART4_RX_PD_EINT8		
PD9/LCD_D13/LDVDS0_V3N/DSL_D3N/PWM6_PD_EINT9		
PD10/LCD_D14/LDVDS1_V0P/SPI1_CS/DBI_CSX/UART3_TX_PD_EINT10		
PD11/LCD_D15/LDVDS1_V0N/SPI1_CLK/DBI_SCLK/UART3_RX_PD_EINT11		
PD12/LCD_D18/LDVDS1_V1P/SPI1_MOSI/DBI_SDO/TW10_SDA_PD_EINT12		
PD13/LCD_D19/LDVDS1_V1N/SPI1_MISO/DBI_SD1/TB11_DBL/DCX/UART3_RTS_PD_EINT13		
PD14/LCD_D20/LDVDS1_V2P/SPI1_HOLD/DBI_DCBX/DBI_WRX/UART3_CTS_PD_EINT14		
PD15/LCD_D21/LDVDS1_V2N/SPI1_WP/DBI_TE/R_XR_RX_PD_EINT15		
PD16/LCD_D22/LDVDS1_CKP/DMIC_DATA3_PA/PWM0_PD_EINT16		
PD17/LCD_D23/LDVDS1_CKN/DMIC_DATA2_PA/PWM1_PD_EINT17		
PD18/LCD_CLKLVDLS_V3P/DMIC_DATA1_PWM2_PD_EINT18		
PD19/LCD_DE/LDVDS1_V3N/DMIC_DATA0_PWM3_PD_EINT19		
PD20/LCD_HSYNC/TW12_SCK/DMIC_CLK_PWM4_PD_EINT20		
PD21/LCD_VSYNC/TW12_SDA/UART1_TX_PWM5_PD_EINT21		
PD22/OWA_OUT/R_XR/UART1_RX_PWM7_PD_EINT22		



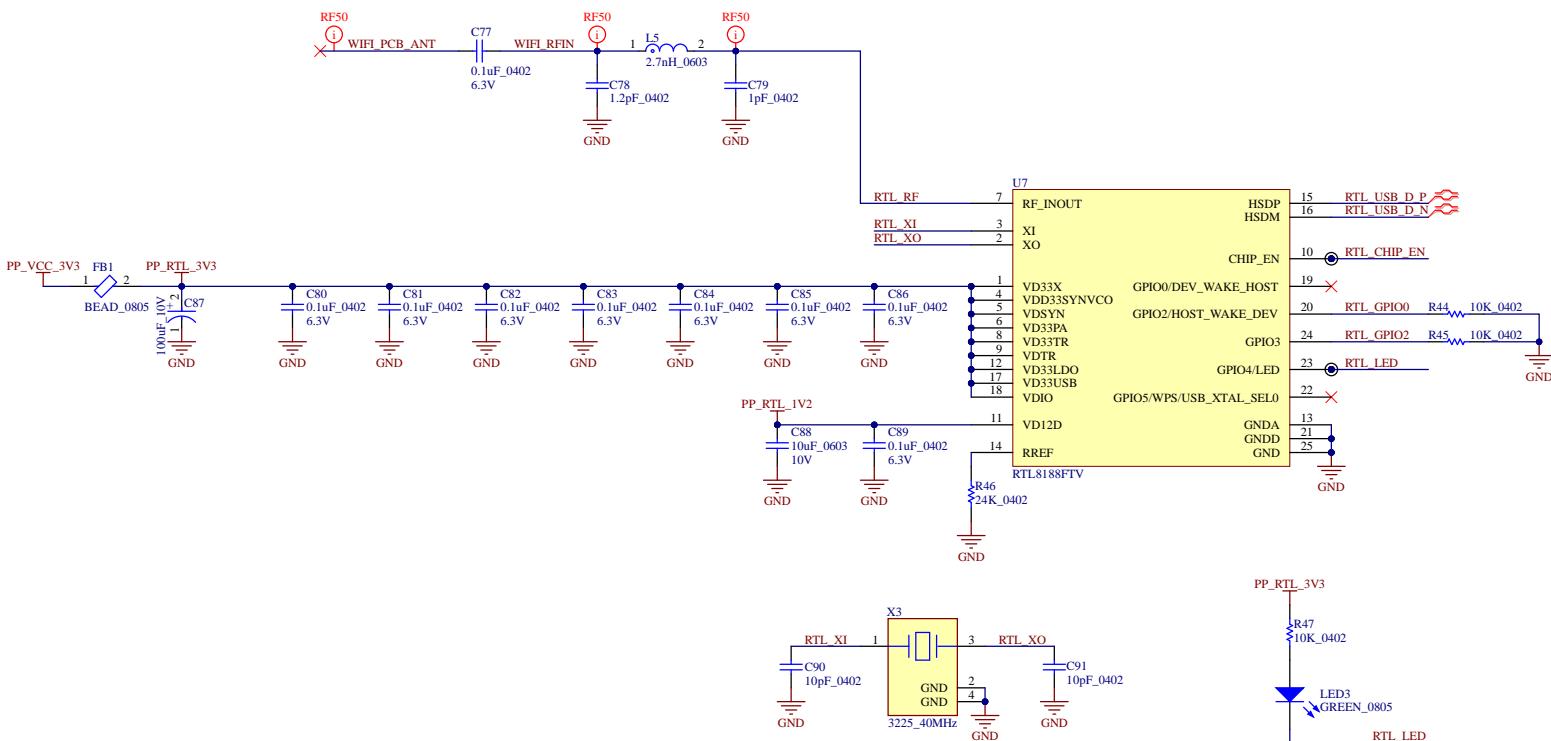
The diagram illustrates the connection between the SOC PG3 LCS pin and various components. The SOC PG3 LCS pin connects to R39, which then connects to R38 and 10K\_0402. The output of 10K\_0402 connects to LCD NSS. The SOC PG3 LCS pin also connects to LCD RGB R0 and LCD RGB G5. LCD RGB R0 connects to R40, which then connects to R33 and 0402. The outputs of R33 and 0402 connect to LCD SDA and LCD SCK respectively.



Title	<b>Winglet LCD Display</b>
Size:	B
Project:	WINGLET
Date:	10/28/2024
Drawn By:	HCAdam



1 2 3 4 5 6



Title: Winglet Wi-Fi

Size: B Project: WINGLET Revision: A

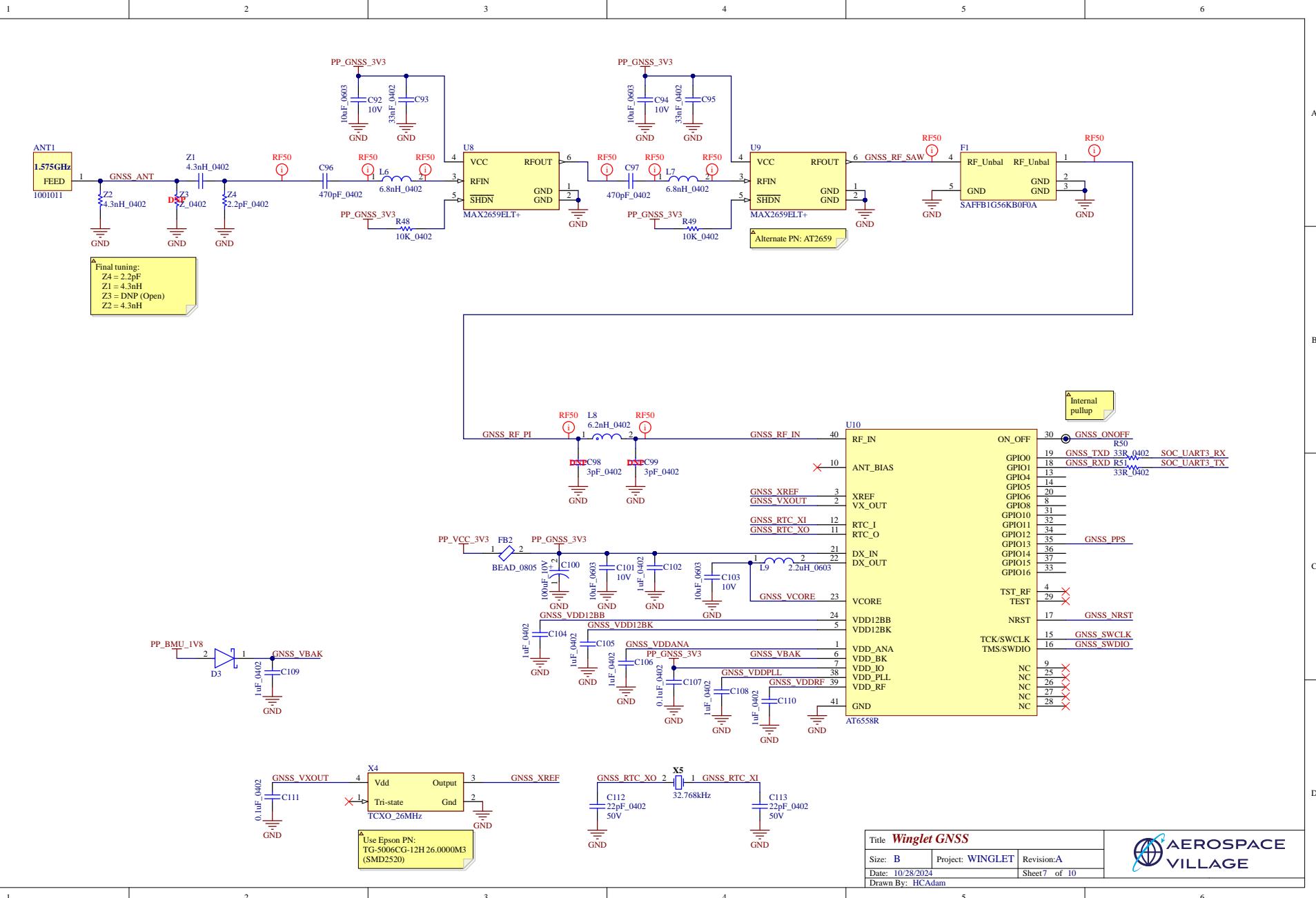
Date: 10/28/2024

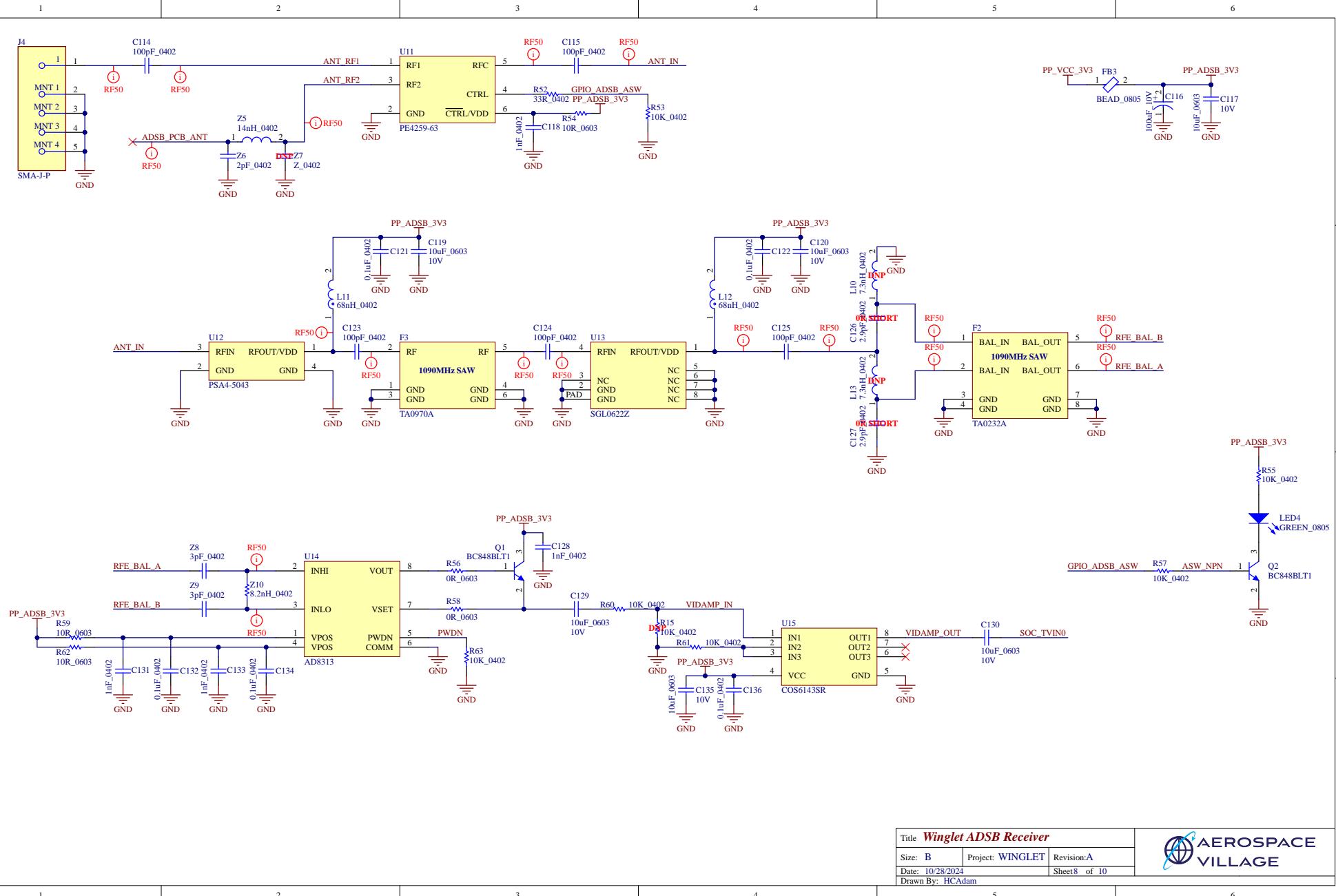
Sheet 6 of 10

Drawn By: HCAdam



1 2 3 4 5 6





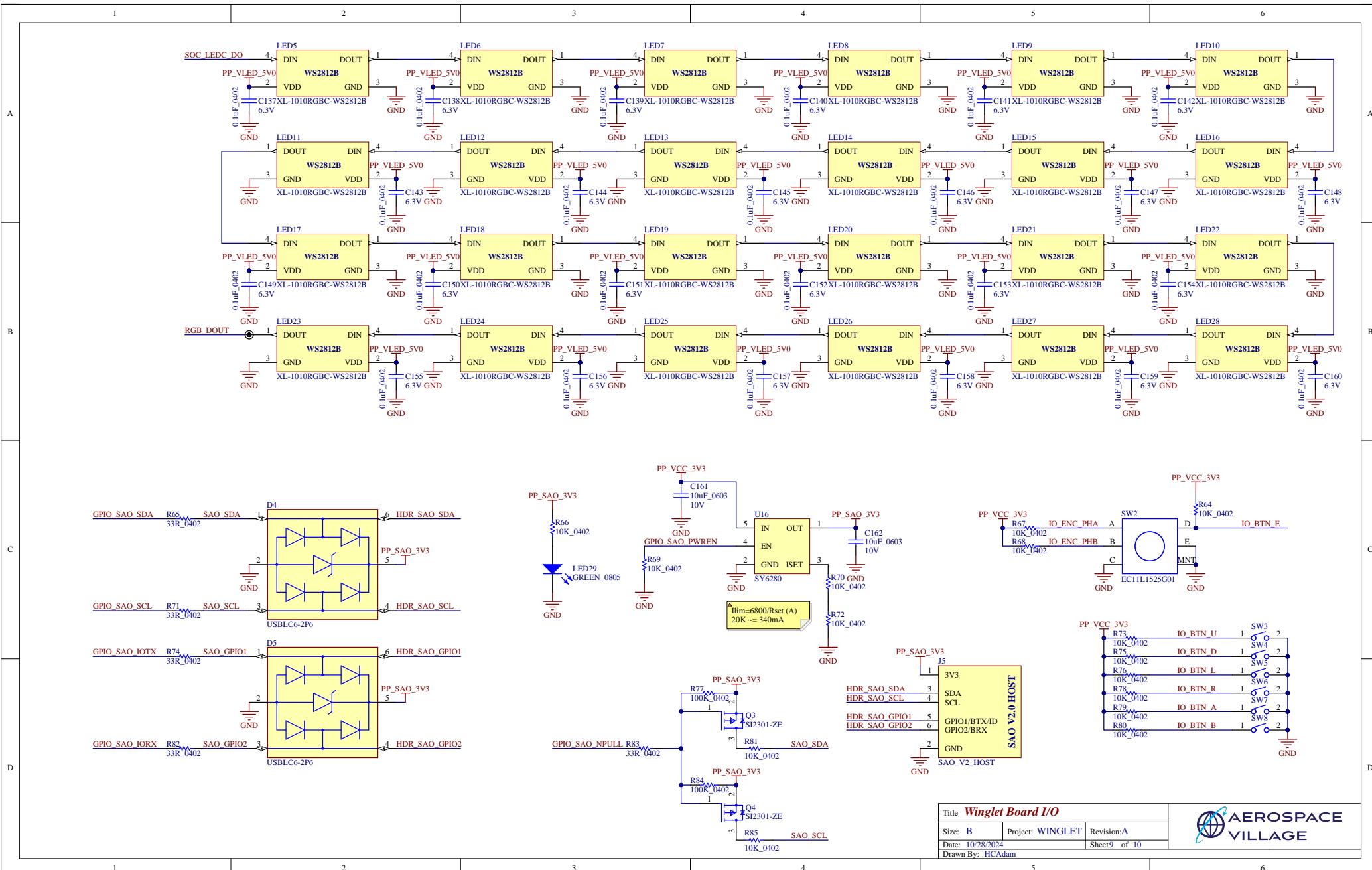
Title: Winglet ADSB Receiver

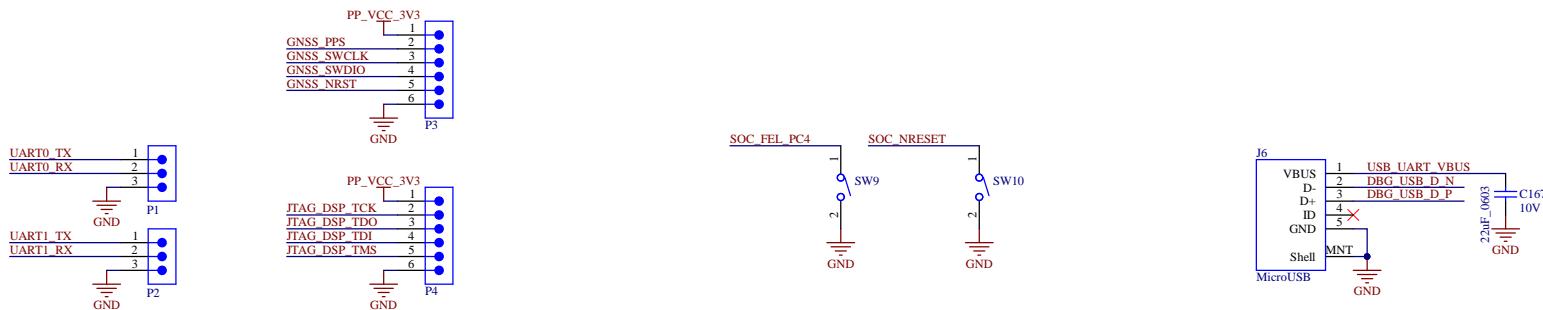
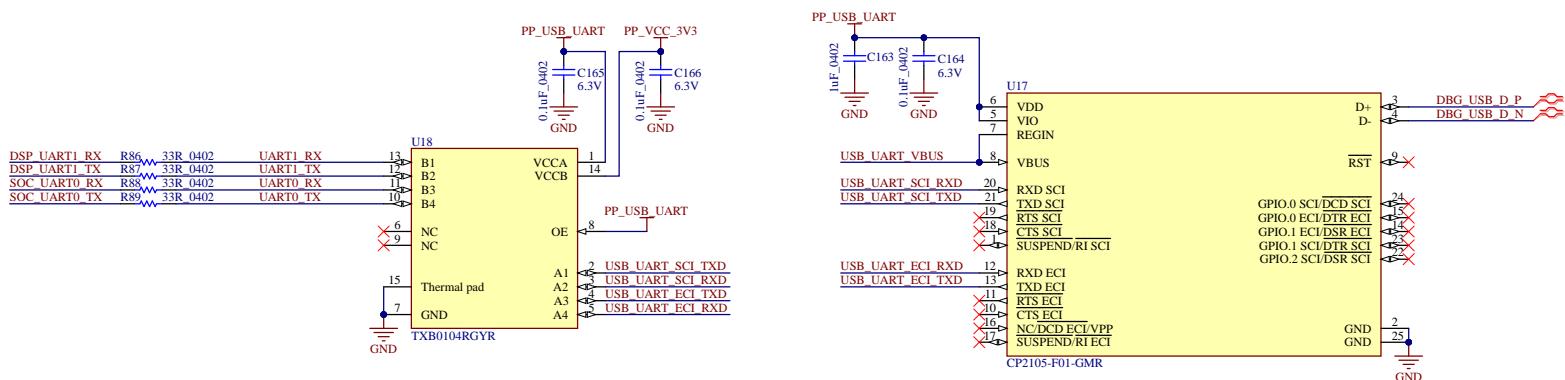
Size: B Project: WINGLET Revision: A

Date: 10/28/2024 Sheet 8 of 10

Drawn By: HCAdam







0b11 for  
"SMHCO->EMMC2\_BOOT->EMMC2\_USR->other media"

Title: Winglet Debug		
Size: B	Project: WINGLET	Revision: A
Date: 10/28/2024		Sheet 10 of 10
Drawn By: HCAdam		



