

# PCU Ports

U1PORTA\_L

PA0	14	USART2_CTS
PA1	15	USART2_RTS
PA2	16	USART2_TX
PA3	17	USART2_RX
PA4	20	SPI3_NSS
PA5	21	SPI1_SCK
PA6	22	SPI1_MISO
PA7	23	SPI1_MOSI

U1PORTA\_H

PA8	41	I2C3_SCL
PA9	42	USART1_TX
PA10	43	USART1_RX
PA11	44	CAN1_RX
PA12	45	CAN1_TX
PA13	46	ITMS-SWDIO
PA14	49	ITCK-SWCLK
PA15	50	ITDI

U1PORTB\_L

PB0	26	PPM_INPUT
PB1	27	PB1
PB2	28	PB2-BOOT1
PB3	55	ITDO
PB4	56	ITBST
PB5	57	SPI3_MOSI
PB6	58	LED_AMBER
PB7	59	LED_BLUE

U1PORTB\_H

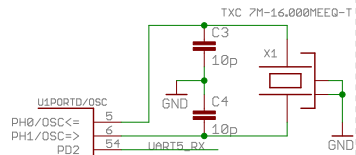
PB8	61	I2C1_SCL
PB9	62	I2C1_SDA
PB10	29	I2C2_SCL
PB11	30	I2C2_SDA
PB12	33	PB12
PB13	34	PB13
PB14	35	OTG_HS_DM
PB15	36	OTG_HS_DP

U1PORTC\_L

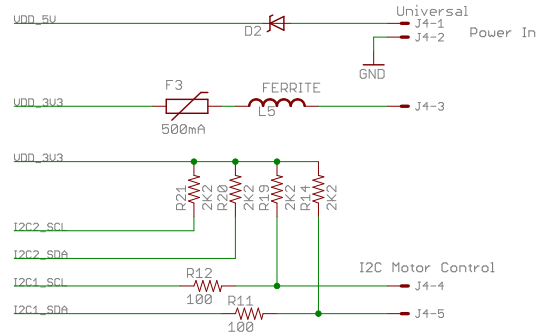
PC0	8	ADC123_IN10
PC1	9	ADC123_IN11
PC2	10	ADC123_IN12
PC3	11	ADC123_IN13
PC4	24	GPIO1
PC5	25	GPIO2
PC6	37	USART6_TX
PC7	38	USART6_RX

U1PORTC\_H

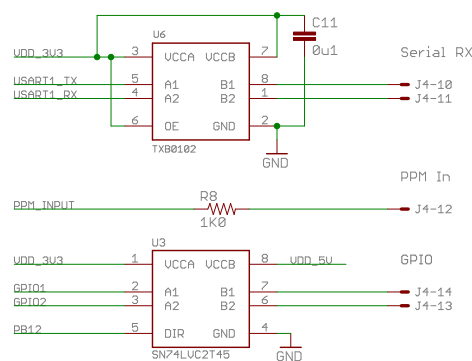
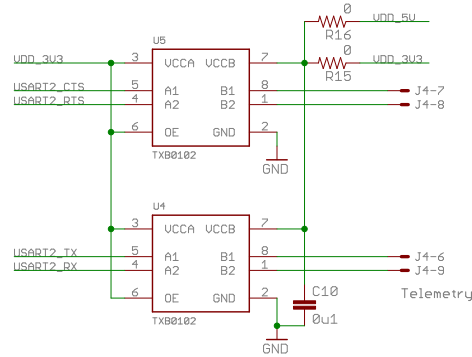
PC8	39	PC8
PC9	40	I2C3_SDA
PC10	51	SPI3_SCK
PC11	52	SPI3_MISO
PC12	53	UART5_TX
PC13	2	PC13
PC14	3	GPIO_CS
PC15	4	ARCCF_CS



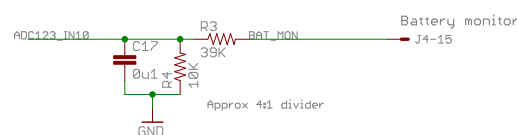
# Universal Connector



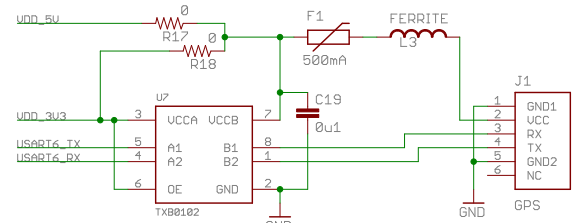
Telemetry serial voltage stuffing options: R16 = 5V R15 = 3.3V



Note: Consider NXP 74AUC245 (50mA) instead of SN74LUC2T45 (25mA)

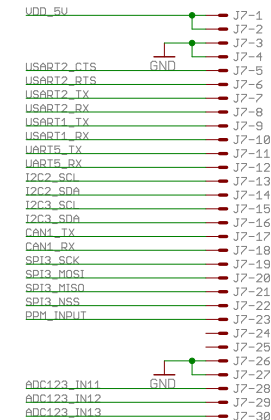
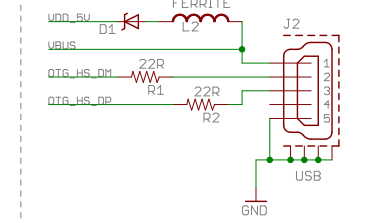


# GPS



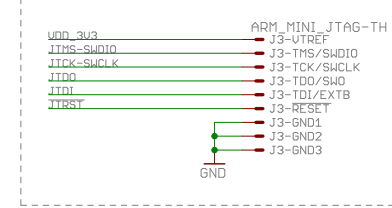
GPS voltage stuffing options: R17 = 5V R18 = 3.3V

# USB



Note no pullups for I2C3, use weak pulldown on I2C3 pins to detect pullups on EXP board.

# JTAG



Ports and Connectors	
BB	
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Sheet: 1/3	

