

CPU Ports

UIPORTA_L

PA8	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

UIPORTA_H

PA8	41	I2C3_SCL
PA9	42	VBUS_DETECT
PA10	43	PBES_NDRDY
PA11	44	OTG_FS_DM
PA12	45	OTG_FS_DP
PA13	46	ITMS-SWDIO
PA14	49	ITCK-SWCLK
PA15	50	ITDI

UIPORTB_L

PB0	26	PPM_INPUT
PB1	27	MAG_DRDY
PB2	28	PB2-B00T1
PB3	55	ITDO
PB4	56	ITBST
PB5	57	SPI3_MOSI
PB6	58	USART1_TX
PB7	59	USART1_RX

R5 10K GND

UIPORTB_H

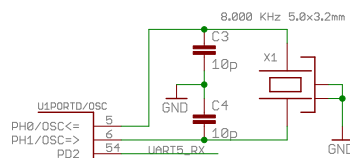
PB8	61	I2C1_SCL
PB9	62	I2C1_SDA
PB10	29	I2C2_SCL
PB11	30	I2C2_SDA
PB12	33	CAN2_RX
PB13	34	CAN2_TX
PB14	35	LFD_AHBER
PB15	36	LFD_BLUE

UIPORTC_L

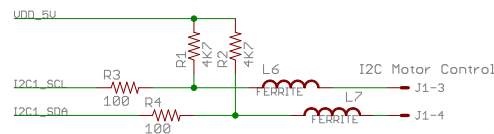
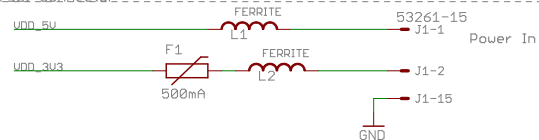
PC0	8	ADC123_IN10
PC1	9	ADC123_IN11
PC2	10	ADC123_IN12
PC3	11	ADC123_IN13
PC4	24	GPIO1
PC5	25	GPIO2
PC6	37	USART6_TX
PC7	38	USART6_RX

UIPORTC_H

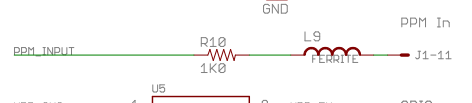
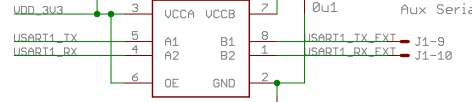
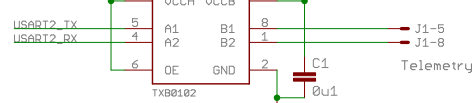
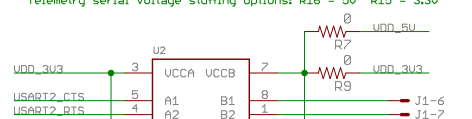
PC8	39	PC8
PC9	40	I2C3_SDA
PC10	51	SPI3_SCK
PC11	52	SPI3_MISO
PC12	53	USART5_TX
PC13	2	GPIO_DIR
PC14	3	GPIO_CS
PC15	4	APCCL_CS

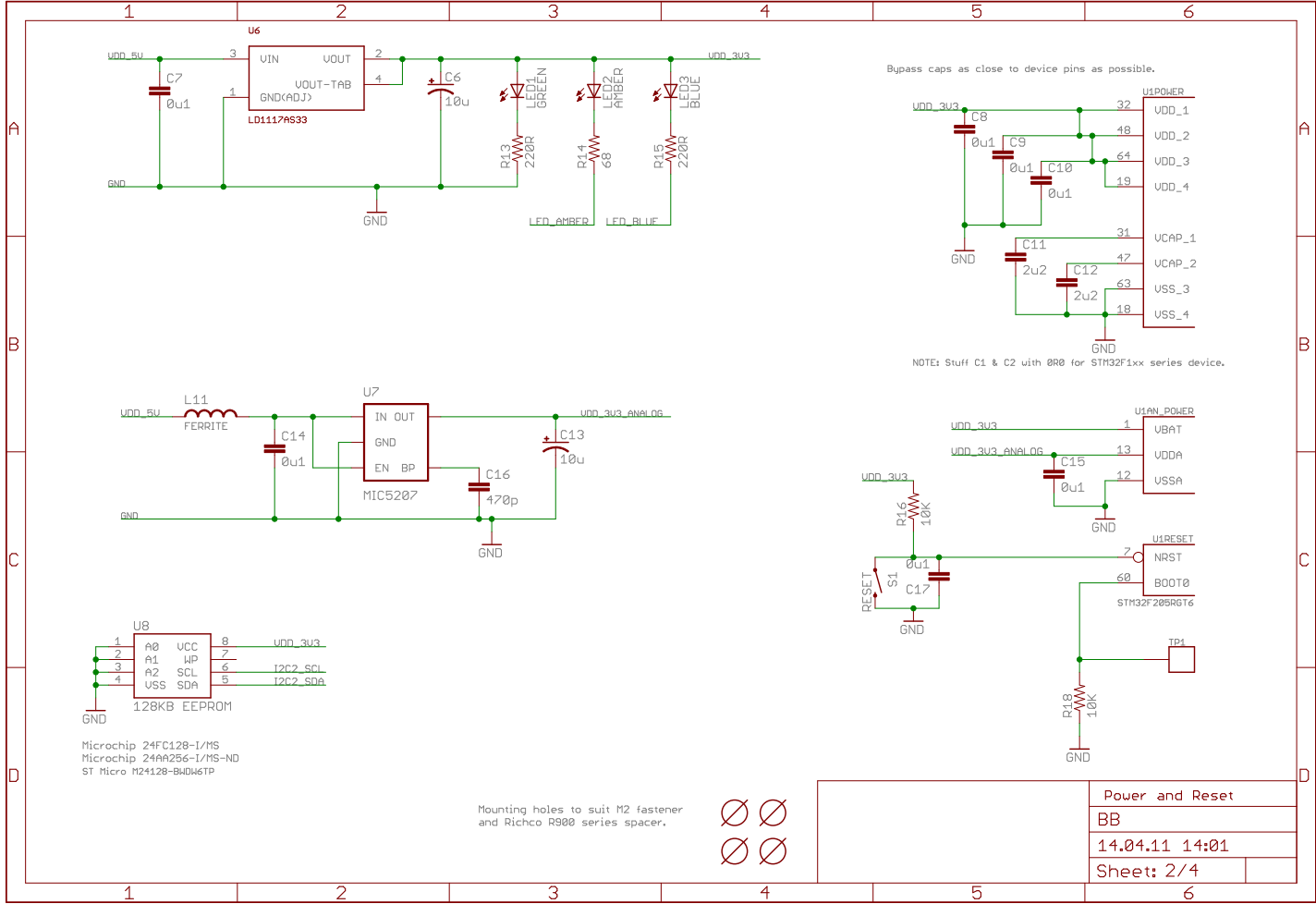


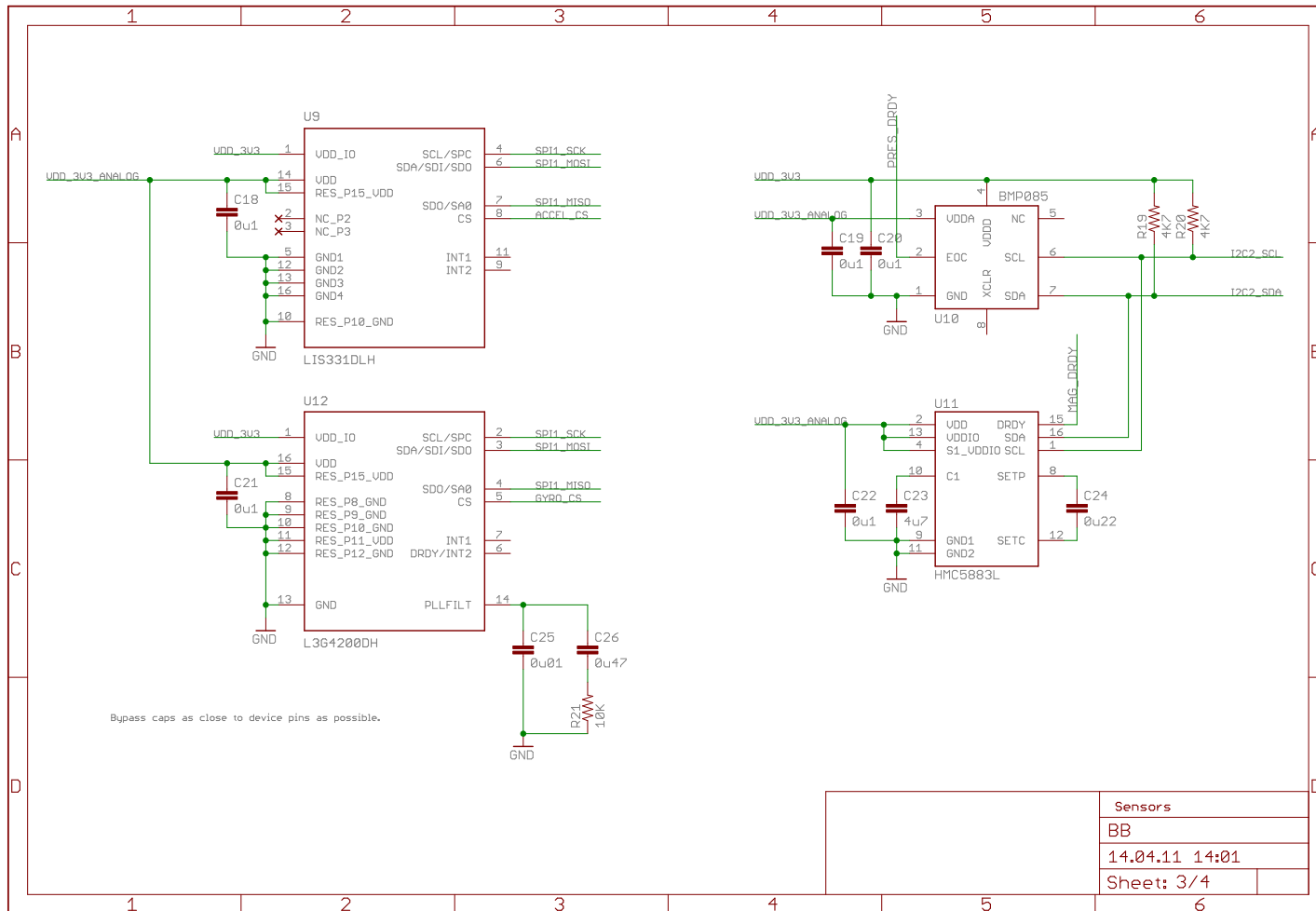
Universal Connector



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







PROTOTYPING ONLY SHEET - REMOVE FOR PRODUCTION REVISION

3.3V low-power supply - PROTOTYPING ONLY

VDD_3V3_ANALOG	→	X3-1
I2C2_SCL	→	X3-2
I2C2_SDA	→	X3-3
MAG_DRDY	→	X3-4
GND	→	X3-5

External I2C sensor - PROTOTYPING ONLY