




Title <i>F765_SYS</i>			* DrawnBy: *	
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:11	Sheet* of *		

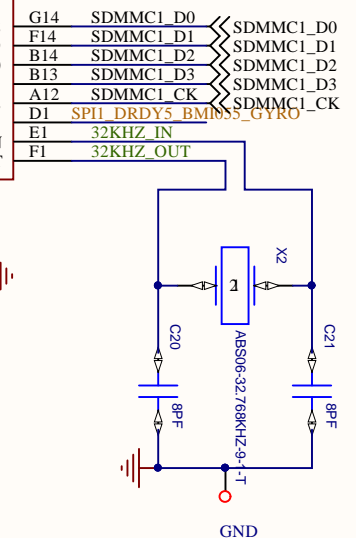
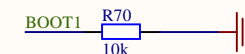
U1B			
UART4_RX_I2C2	B12	PD0	PF0
UART4_TX_I2C2	C12	PD1	PF1
SDMMC1_CMD	D12	PD2	PF2
USART2_CTS_TELEM1	D11	PD3	PF3
USART2_RTS_TELEM1	D10	PD4	PF4
USART2_TX_TELEM1	C11	PD5	PF5
USART2_RX_TELEM1	B11	PD6	PF6
SPI1_MOSI_SENSOR1	A11	PD7	PF7
USART3_TX_TELEM2	P15	PD8	PF8
USART3_RX_TELEM2	P14	PD9	PF9
SPI1_DRDY6_BMI055_ACC	N15	PD10	PF10
USART3_CTS_TELEM2	N14	PD11	PF11
USART3_RTS_TELEM2	N13	PD12	PF12
FMU_CH5	M15	PD13	PF13
FMU_CH6	M14	PD14	PF14
SPI5_DRDY7_EXTERNAL1	L14	PD15	PF15
UART8_RX	A4	PE0	PG0
UART8_TX	A3	PE1	PG1
SPI4_SCK_SENSOR2	A2	PE2	PG2
VDD_3V3_SENSORS_EN	A1	PE3	PG3
VDD_3V3_SPEKTRUM_POWER_EN	B1	PE4	PG4
BUZZER_1	B2	PE5	PG5
SPI4_MOSI_SENSOR2	B3	PE6	PG6
DRDY8	R8	PE7	PG7
UART7_TX_DEBUG	P8	PE8	PG8
FMU_CH4	P9	PE9	PG9
SAFETY_SWITCH_IN	R9	PE10	PG10
FMU_CH3	P10	PE11	PG11
nSAFETY_SWITCH_LED_OUT	R10	PE12	PG12
SPI4_MISO_SENSOR2	N11	PE13	PG13
FMU_CH1	P11	PE14	PG14
nVDD_5V_PERIPH_OC	R11	PE15	PG15
TIM5_SPARE_4	E14	PH2	F4
SPI2_SCK	D14	PH3	G4
SPI2_MISO	C14	PH4	H4
SPI2_MOSI	C13	PH5	J4
SPI5_CS1_EX1	D4	PH6	M11
RC_INPUT	C4	PH7	N12
SPI6_CS1_EXTERNAL2	C3	PH8	M12
SPI6_CS2_EXTERNAL2	C2	PH9	M13
SPI6_CS3_EXTERNAL2	D2	PH10	L13
CAN1_RX	D3	PH11	L12
SPI5_CS2_EX1	E3	PH12	K12
SPI5_CS3_EX1	E4	PH13	E12
		PH14	E13

STM32F765IHK6

Brick 1 Is Chosen
Brick 2 Is Chosen
USB Is Chosen

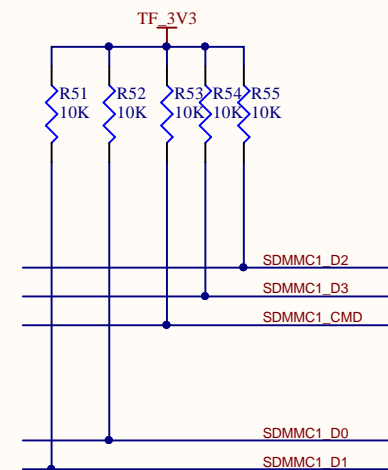
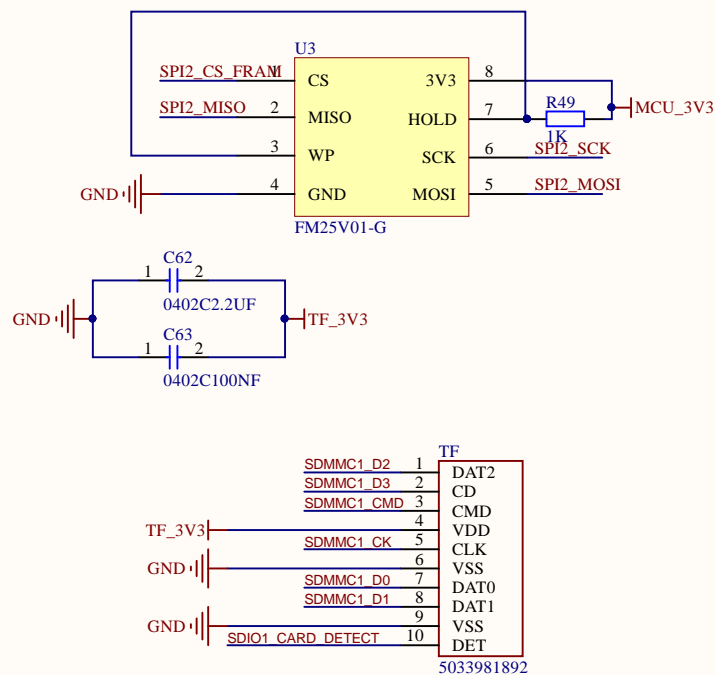
U1A			
BAT1_V	N3	PA0	PB0
BAT1_I	N2	PA1	PB1
BAT2_V	P2	PA2	PB2
BAT2_I	R2	PA3	PB3
ADC1_SPARE_2	N4	PA4	PB4
FMU_CAP1	P4	PA5	PB5
SPI1_MISO_SENSOR1	H3	PA6	PB6
HEATER	R3	PA7	PB7
CAN3_RX	F15	PA8	PB8
VBUS	E15	PA9	PB9
FMU_CH2	D15	PA10	PB10
USB_DM	C15	PA11	PB11
USB_DP	B15	PA12	PB12
JTAG-SWDIO	A15	PA13	PB13
JTAG-SWCLK	A14	PA14	PB14
CAN3_TX	A13	PA15	PB15
SCALED_V5	M2	PC0	PC8
SCALED_VDD_3V3_SENSORS	M3	PC1	PC9
HW_VER_SENSE	M4	PC2	PC10
HW_REV_SENSE	M5	PC3	PC11
ADC1_SPARE_1	N5	PC4	PC12
SPI1_DRDY4_ICM20602	P5	PC5	PC13
nLED_GREEN	H15	PC6	PC14
nLED_BLUE	G15	PC7	PC15
		PC14-OSC32_IN	PC15-OSC32_OUT

STM32F765IHK6

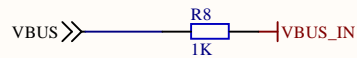
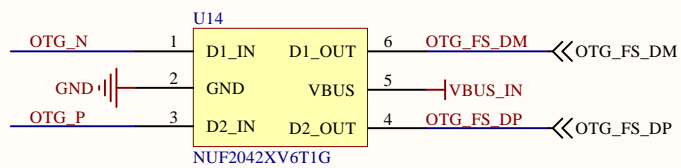


Title F765_IO			* DrawnBy: *	
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:11	Sheet* of *		





Title TF_CARD			* DrawnBy: *	CUAV
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:12	Sheet* of *		



Title F765_USB			* DrawnBy: *	
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:12	Sheet* of *		

1

2

3

4

A

A

B

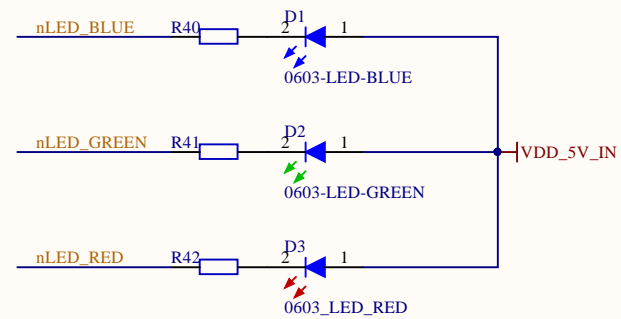
B

C

C

D

D



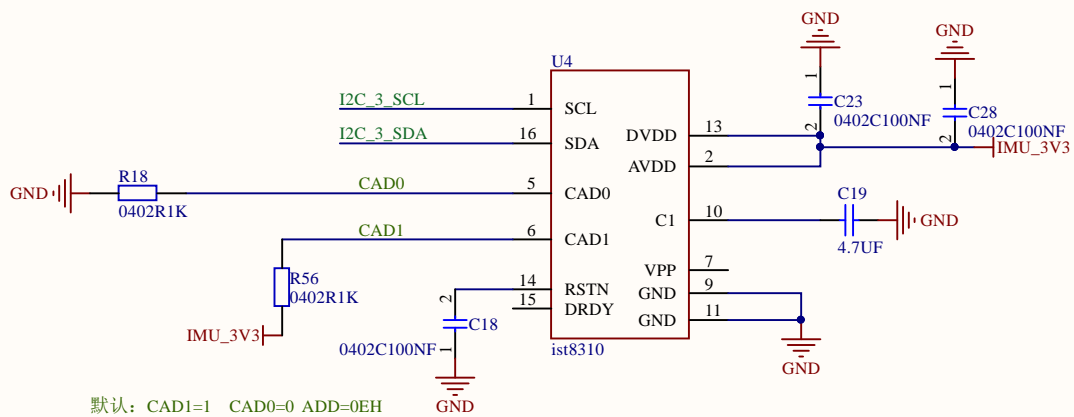
Title <i>status_LED</i>			* DrawnBy: *	
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:12	Sheet* of *		


1

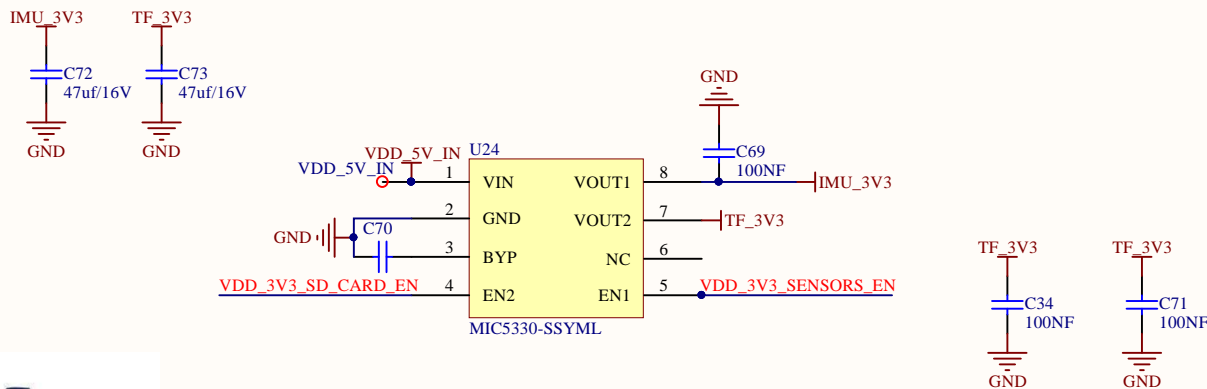
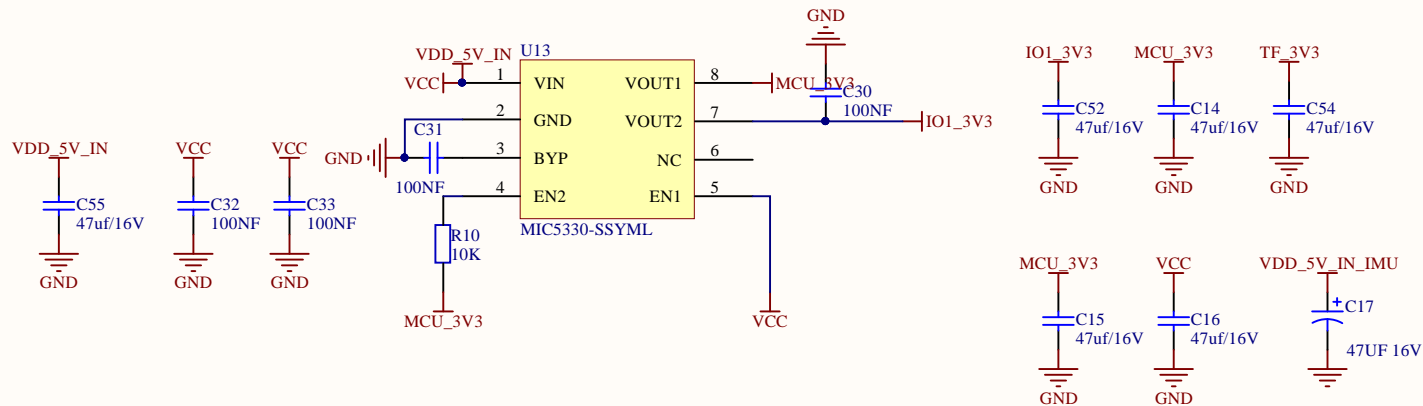
2

3

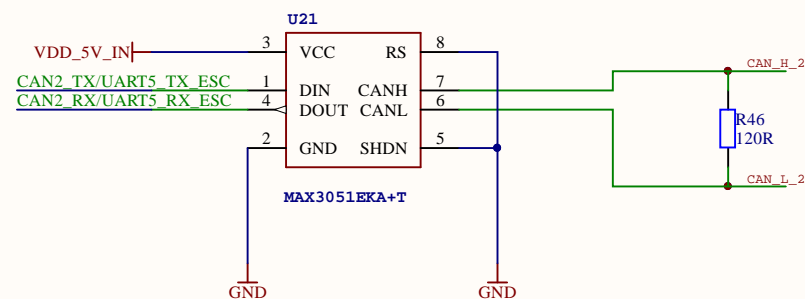
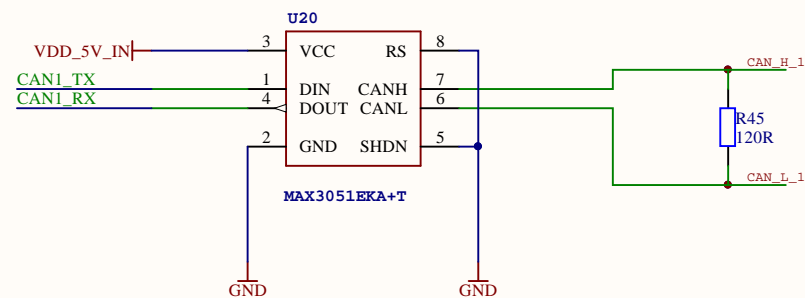
4



Title ONB_COMPASS			* DrawnBy: *	
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:12	Sheet* of *		



Title LDO_Power			* DrawnBy: *	CUAV
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:12	Sheet* of *		



Title CAN_BUS			* DrawnBy: *	CUAV
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:12	Sheet* of *		

1

2

3

4

A

B

C

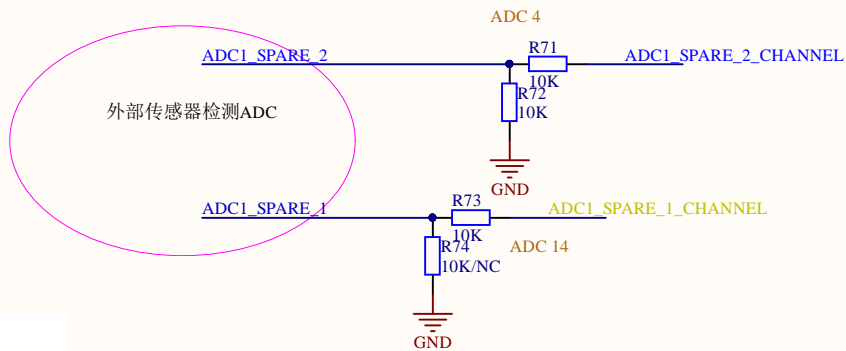
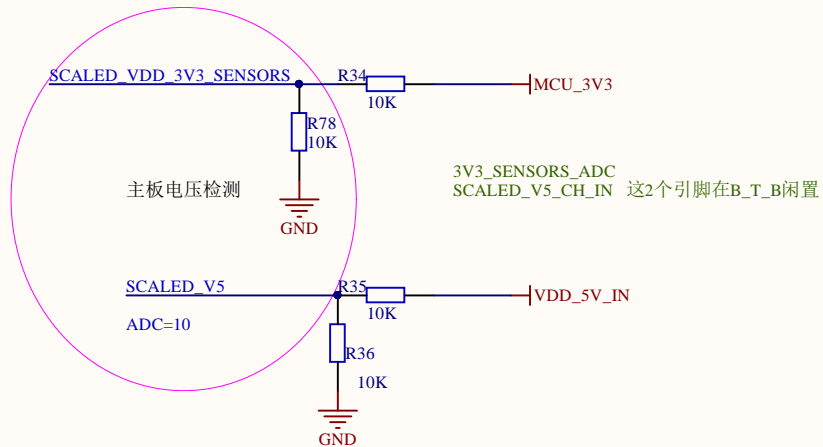
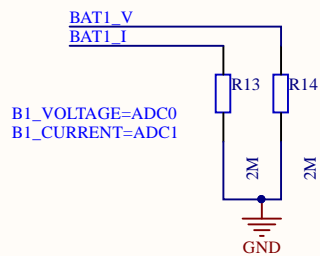
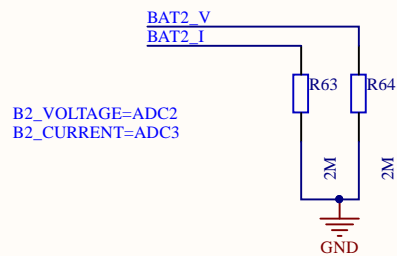
D

A

B

C

D

Title **5V_RAIL_ADC**

Size: A4

Number:*

Revision:*

Date: 2018/9/12

Time: 11:28:12

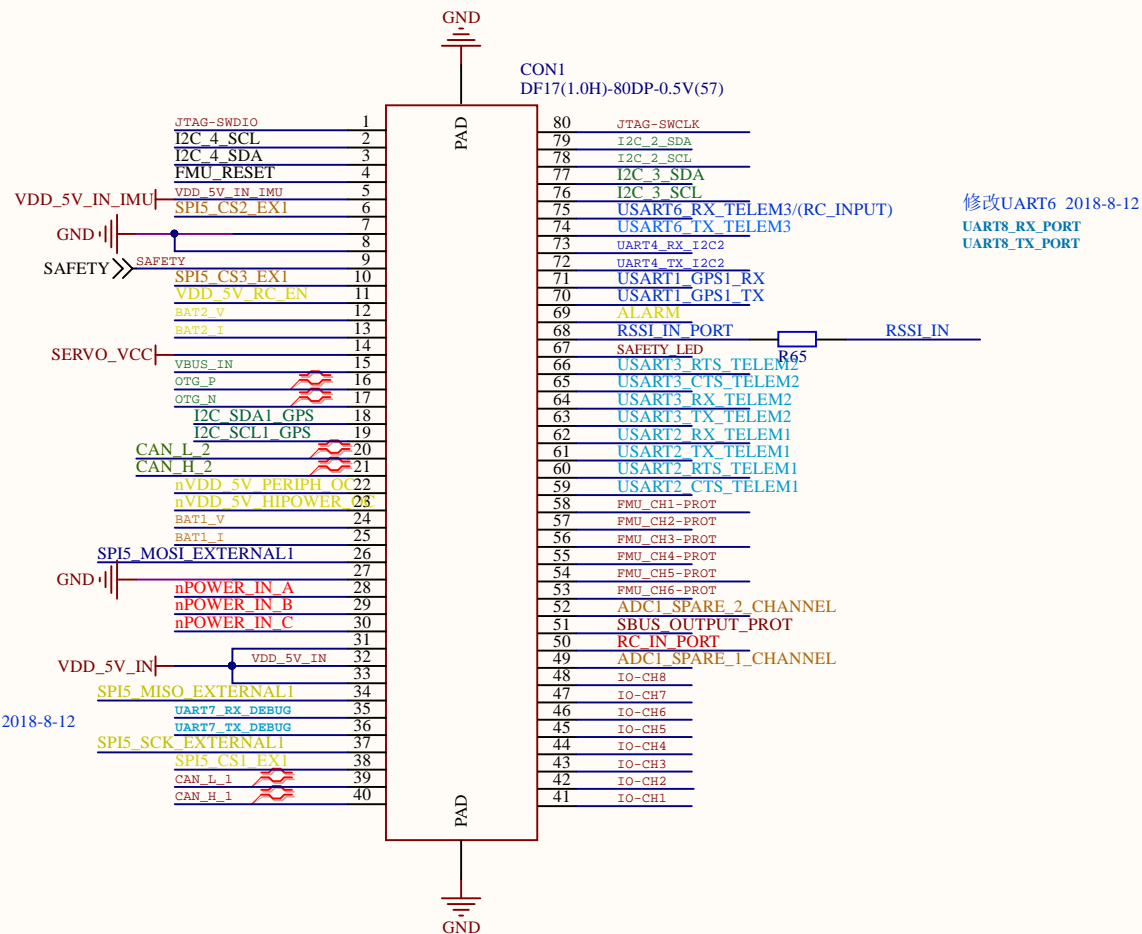
Sheet* of *

*

DrawnBy: *

CUAV

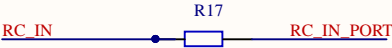
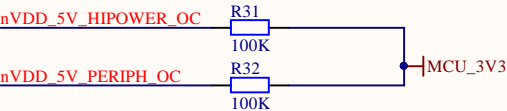
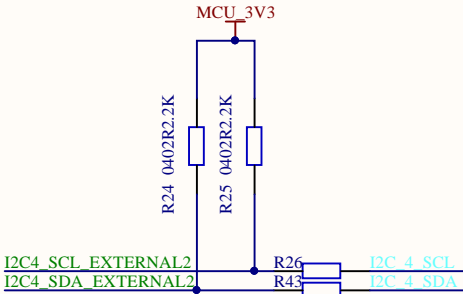
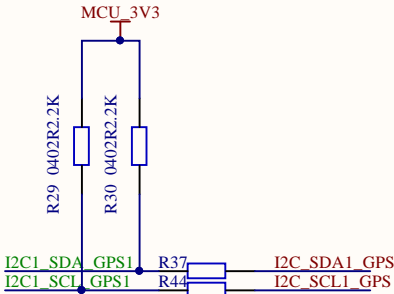
Only compatible with CUAV V5-CORE v2 module, other incompatible
80P板对板连接器定义只兼容CUAV V5-CORE v2标准, 其他类似模块不能兼容



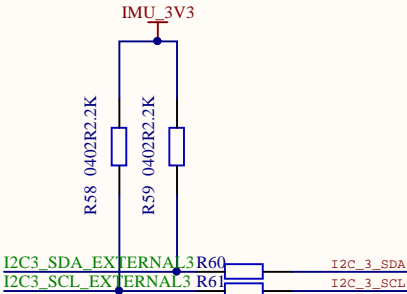
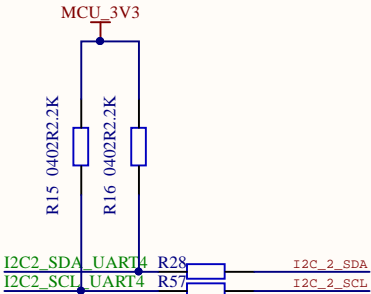
Title V5_CORE_B_TO_B-CON			CUAV Ltd DrawnBy: bin	
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:12	Sheet* of *		

BUZZER_1 ALARM

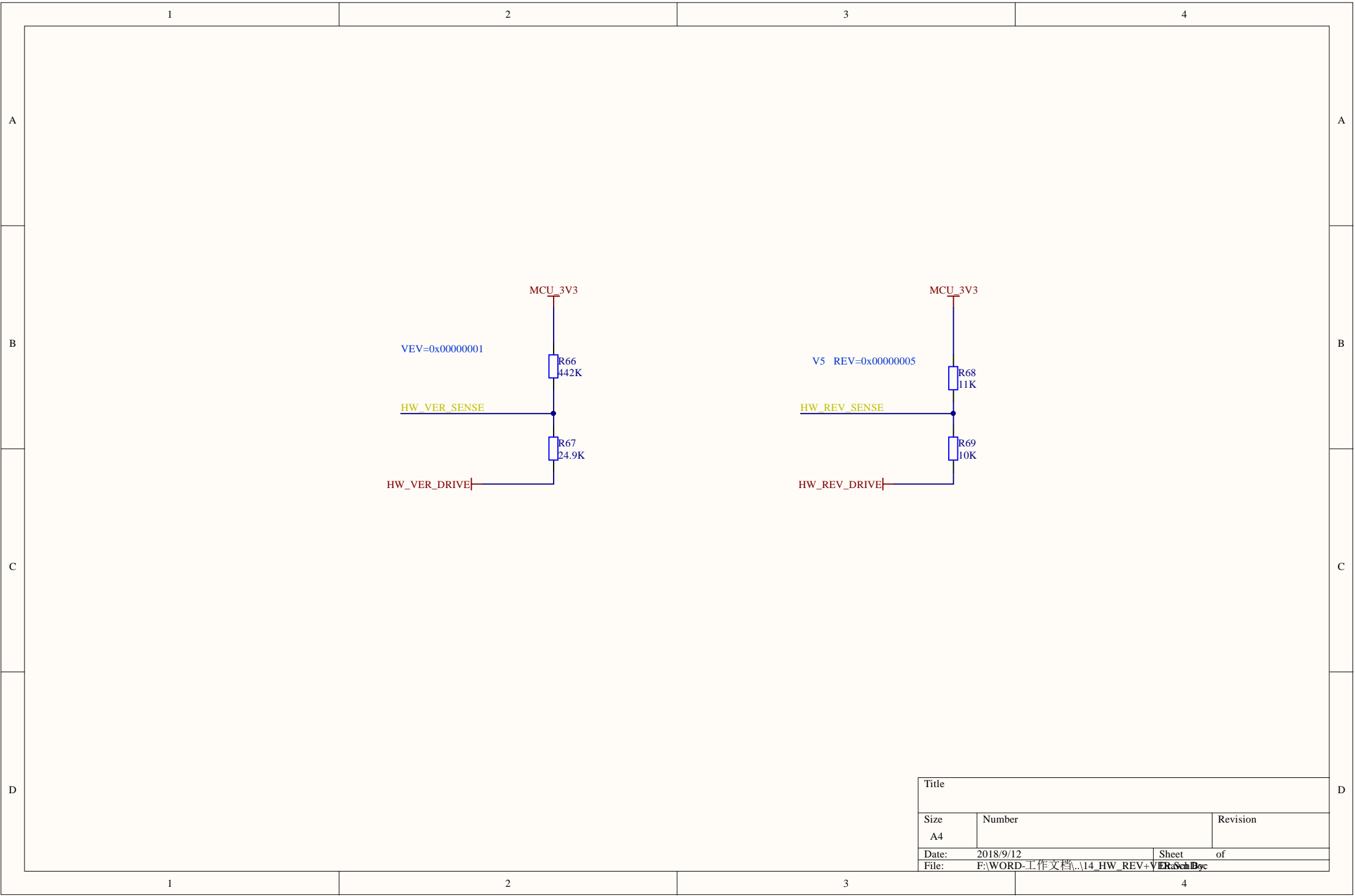
UART8_RX UART8_RX_PORT
UART8_TX UART8_TX_PORT
USART1_RX_GPS USART1_GPS_RX
USART1_TX_GPS USART1_GPS_TX

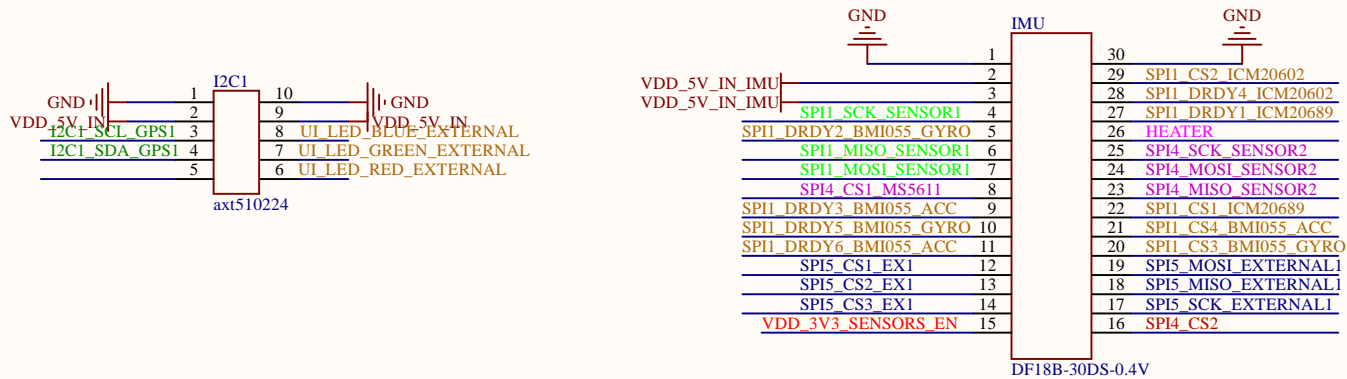


FMU_CH8 FMU_CH8-PROT
FMU_CH7 FMU_CH7-PROT
FMU_CH6 FMU_CH6-PROT
FMU_CH5 FMU_CH5-PROT
FMU_CH4 FMU_CH4-PROT
FMU_CH3 FMU_CH3-PROT
FMU_CH2 FMU_CH2-PROT
FMU_CH1 FMU_CH1-PROT



Title B_TO_B_I/O			* DrawnBy: *	
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:13	Sheet* of *		





PixHack V5 Core
CUAV

Title IMU&LED_CON			* DrawnBy: *	
Size: A4	Number:*	Revision:*		
Date: 2018/9/12	Time: 11:28:13	Sheet* of *		

