

PIN19	PD11	EADC1_CH1	}} MBUS0_AN		
PIN148	PH11	EPWM0_CH5		}} MBUS0_PWM	
PIN99	PG11				}} MBUS0_RST
PIN100	PG12				

PIN25	PG2	I2C1_SCL	}} MBUS0_SCL
PIN26	PG3	I2C1_SDA	

PIN29	PI7	SPI1_MISO	}} MBUS0_MISO		
PIN30	PI8	SPI1_MOSI		}} MBUS0_MOSI	
PIN31	PI9	SPI1_CLK			}} MBUS0_CLK
PIN32	PI10	SPI1_SS			

PIN34	PF11	UART5_TXD	}} MBUS0_TXD
PIN35	PF10	UART5_RXD	

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Singals*

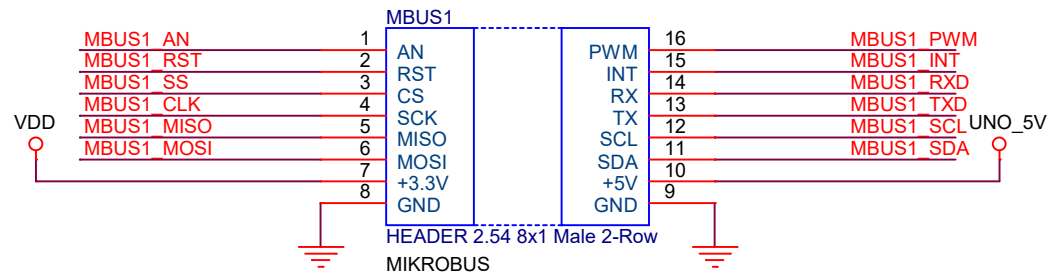
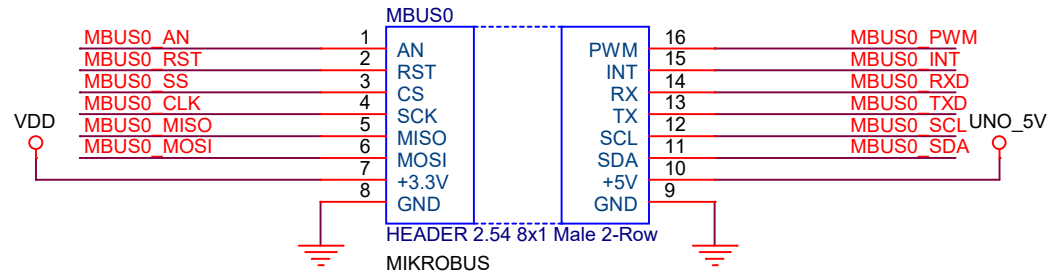
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PIN149	PD14	EPWM0_CH4		}} MBUS1_PWM	
PIN101	PG13				}} MBUS1_RST
PIN102	PG14				

PIN97	PG9	I2C4_SCL	}} MBUS1_SCL
PIN98	PG10	I2C4_SDA	

PIN156	PG5	SPI3_SS	}} MBUS1_SS		
PIN157	PG6	SPI3_CLK		}} MBUS1_CLK	
PIN158	PG7	SPI3_MISO			}} MBUS1_MISO
PIN159	PG8	SPI3_MOSI			

PIN38	PF7	UART4_TXD	}} MBUS1_TXD
PIN39	PF6	UART4_RXD	

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Singals*



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Title

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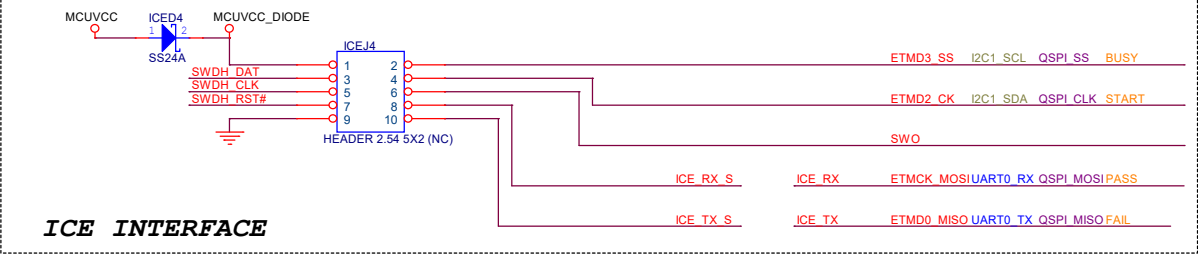
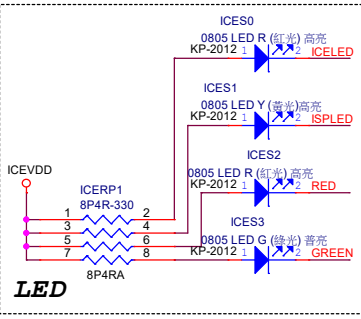
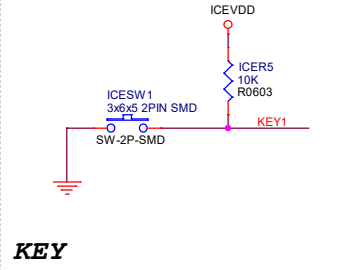
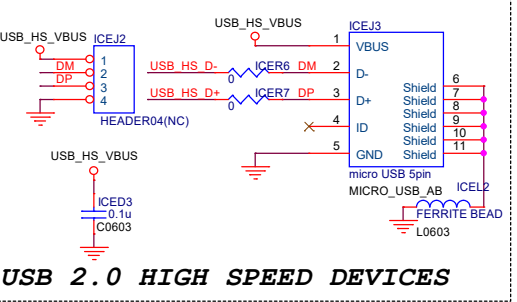
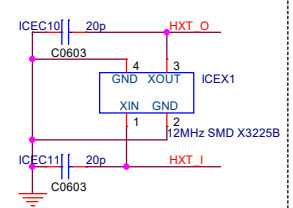
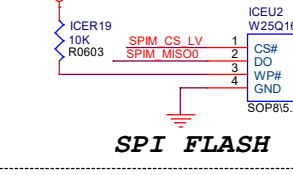
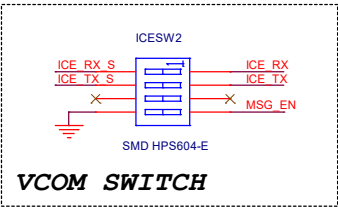
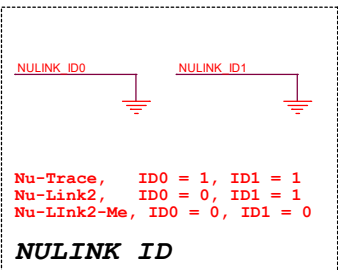
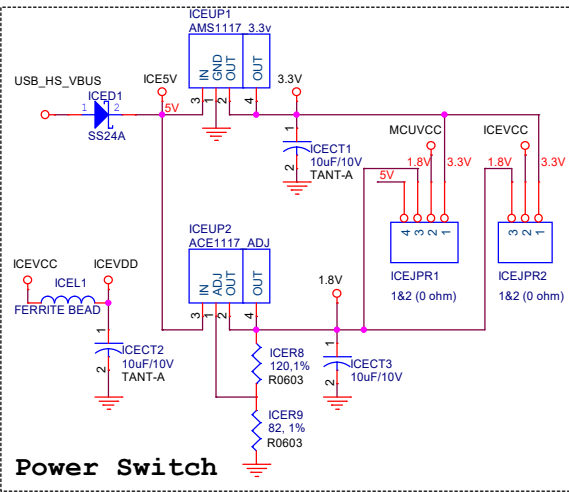
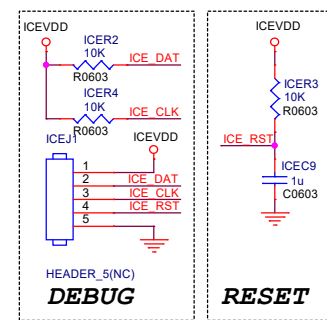
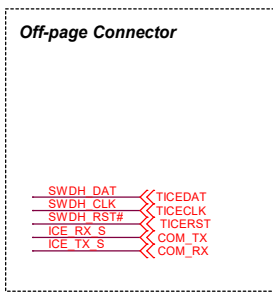
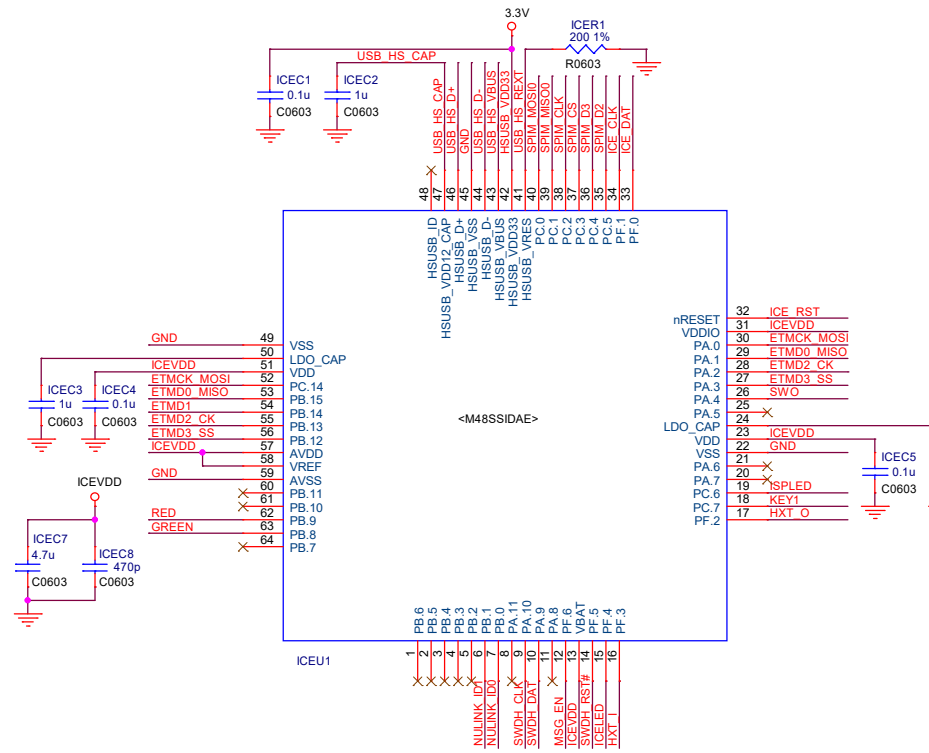
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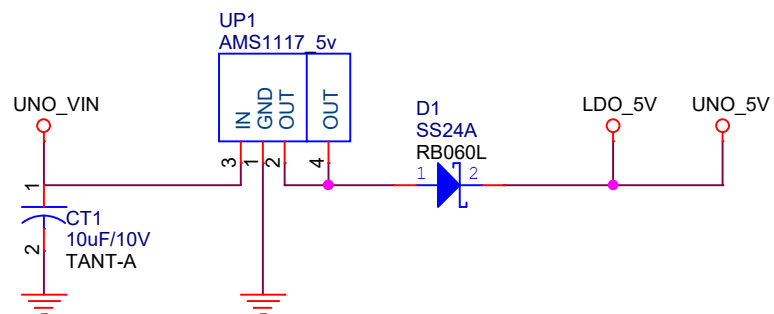
MikroBUS

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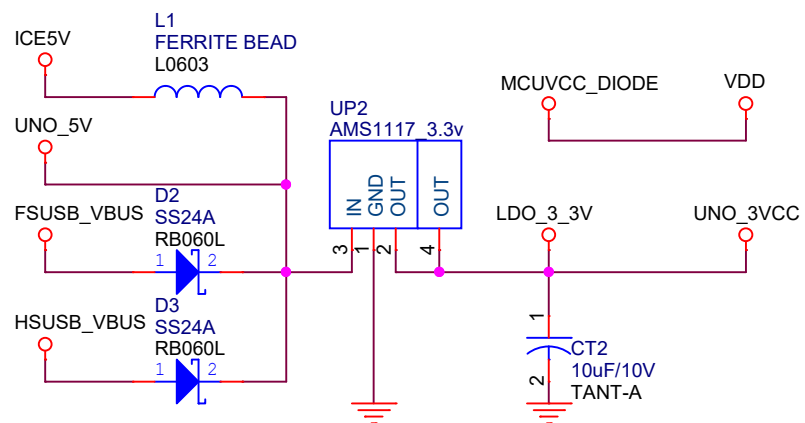
Date: **Monday, July 11, 2022**

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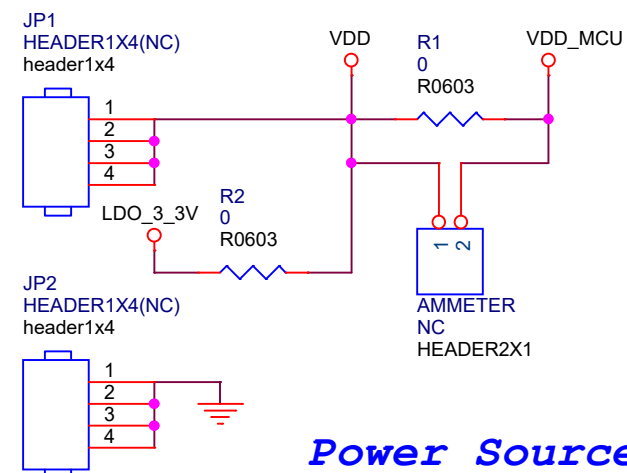




**Power Source
5V**



**Power Source
3.3V**



**Power Source
MCU**

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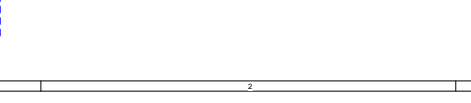
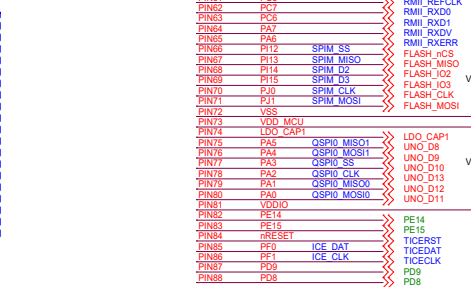
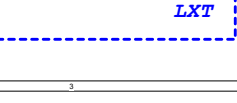
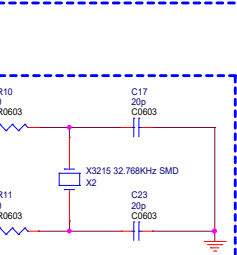
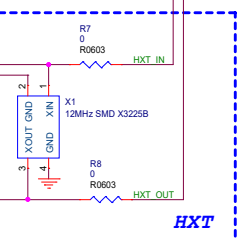
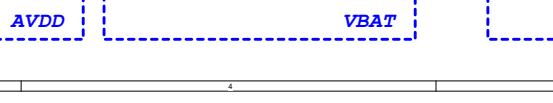
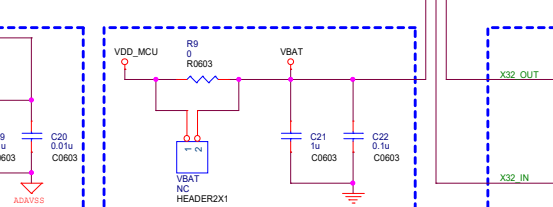
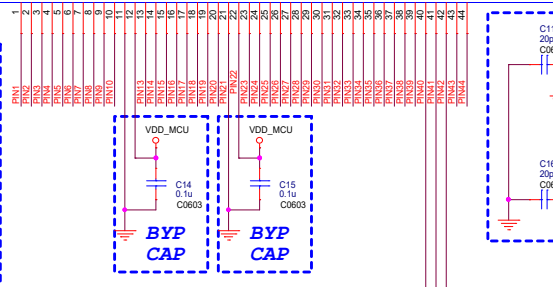
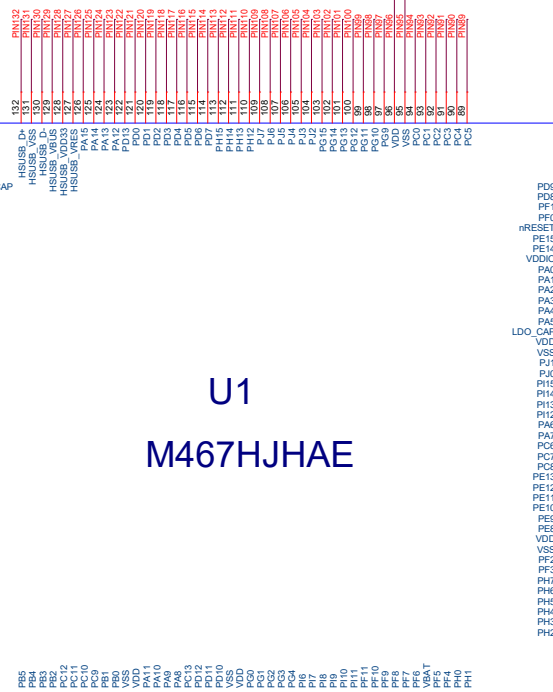
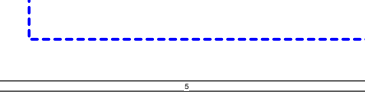
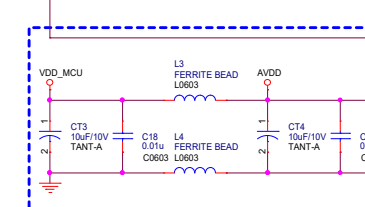
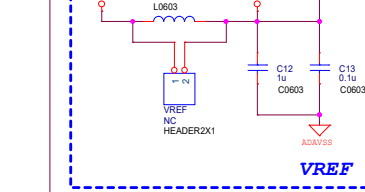
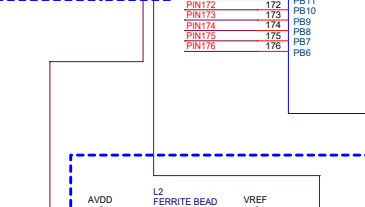
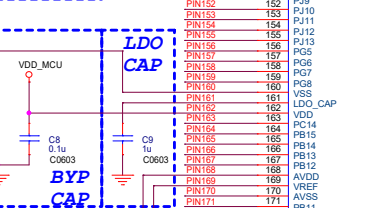
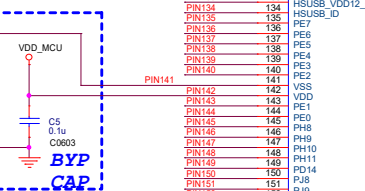
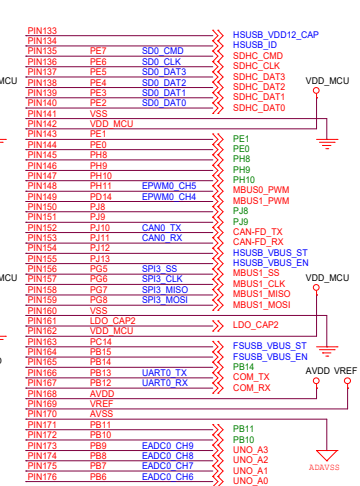
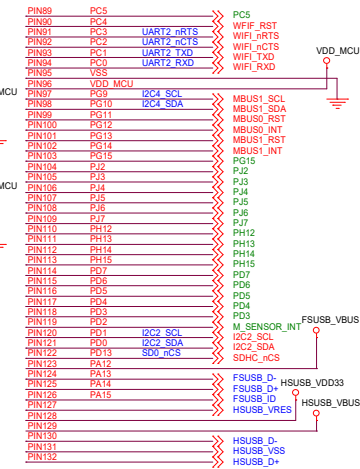
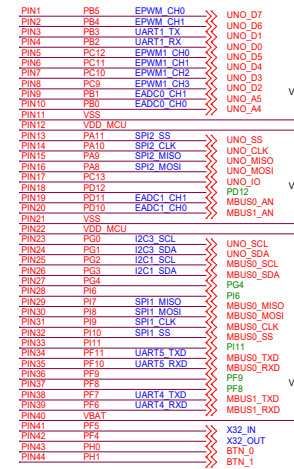
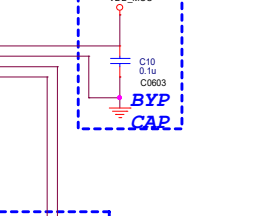
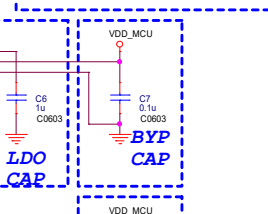
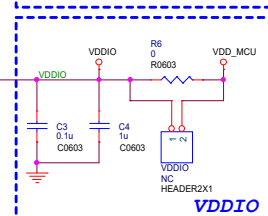
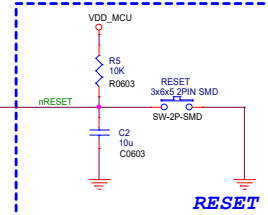
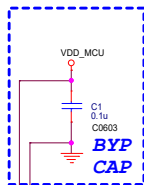
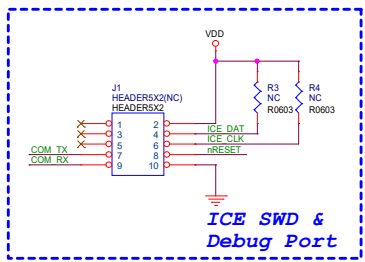
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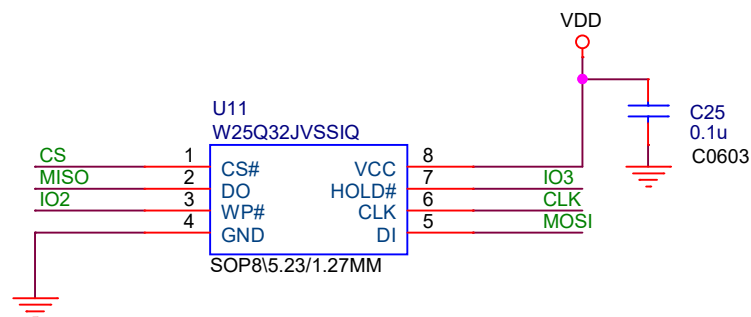
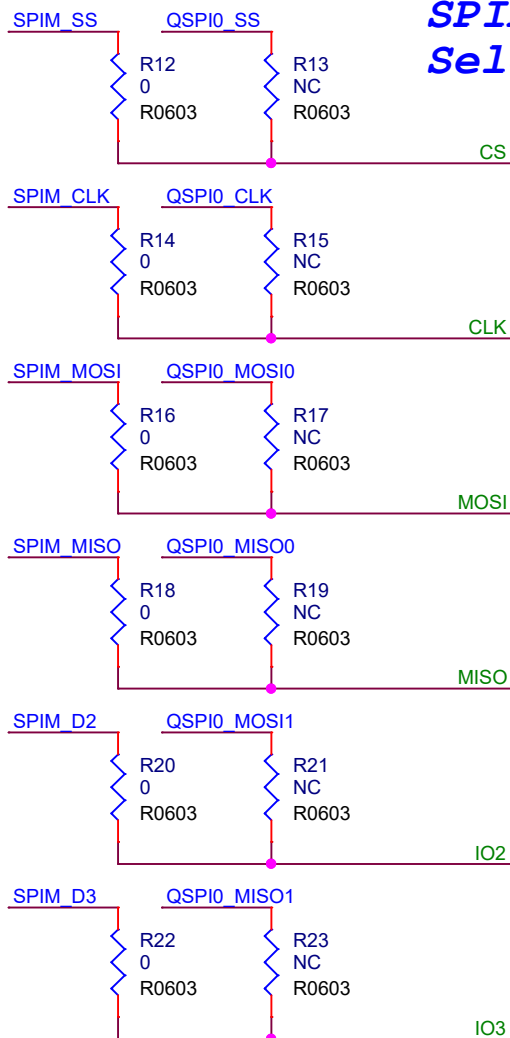


PIN66	PI12	SPIM SS	QSPI0_MISO1	}} FLASH_nCS FLASH_MISO FLASH_IO2 FLASH_IO3 FLASH_CLK FLASH_MOSI
PIN67	PI13	SPIM MISO	QSPI0_MOSI1	
PIN68	PI14	SPIM D2	QSPI0_SS	
PIN69	PI15	SPIM D3	QSPI0_CLK	
PIN70	PJ0	SPIM CLK	QSPI0_MISO0	
PIN71	PJ1	SPIM MOSI	QSPI0_MOSI0	

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SPIM / QSPI Selection

These resistors are used to determine the SPI Flash is controlled by which i/f. By default, it's controlled by SPIM.



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SPI Flash

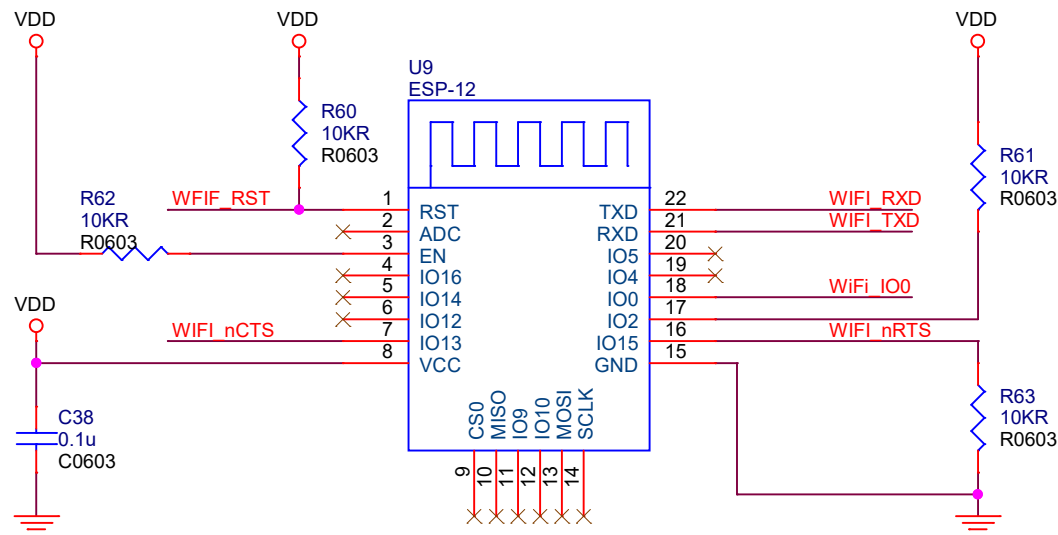
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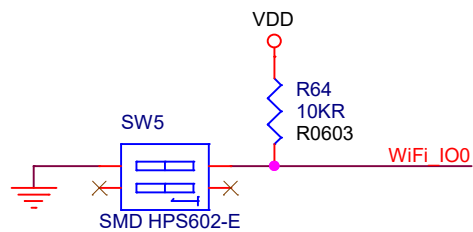
Sheet **6** of **17**

PIN90	PC4		WiFi_RST
PIN91	PC3	UART2_nRTS	WiFi_nRTS
PIN92	PC2	UART2_nCTS	WiFi_nCTS
PIN93	PC1	UART2_TXD	WiFi_TXD
PIN94	PC0	UART2_RXD	WiFi_RXD

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ESP-12 WiFi Module



FW Update

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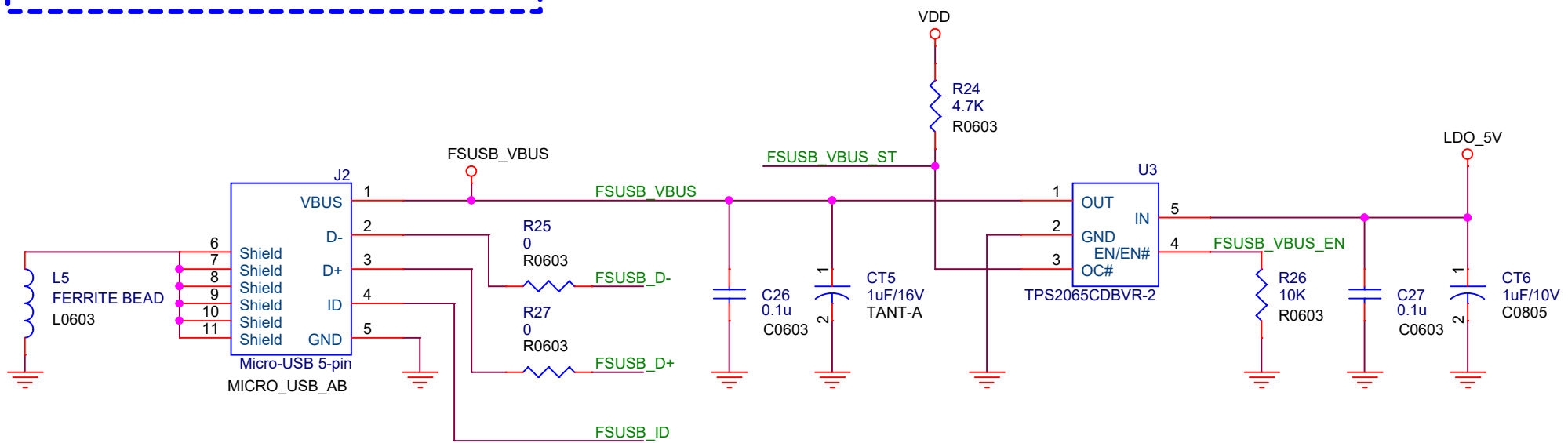
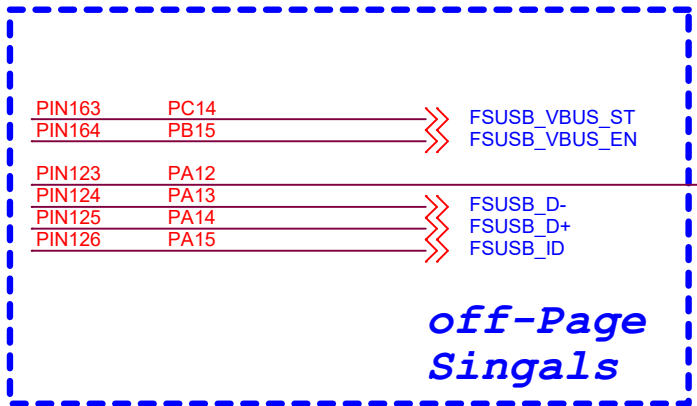
WiFi

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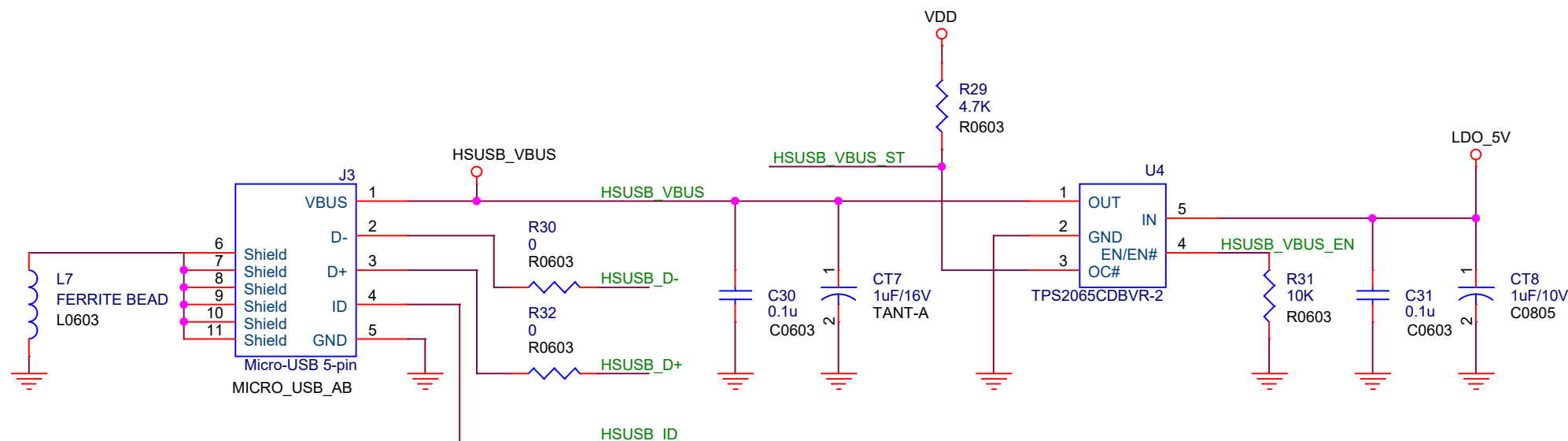
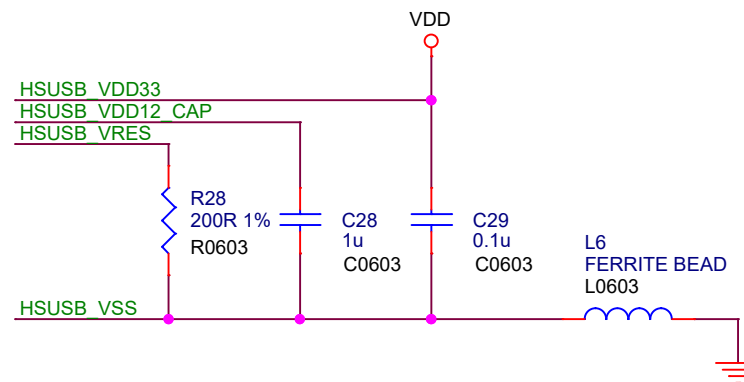
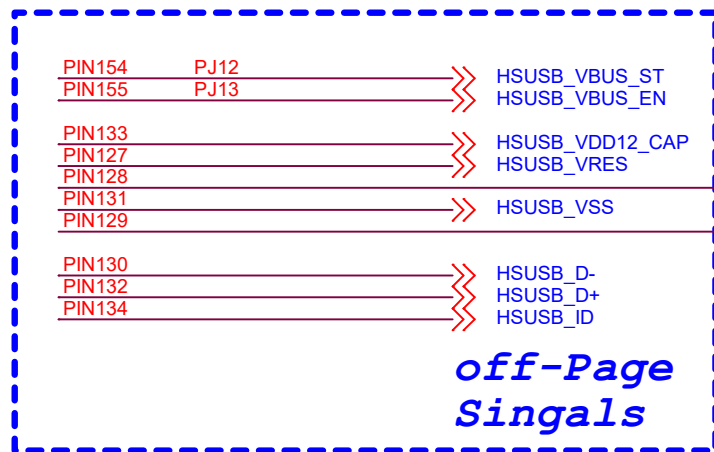
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NuMaker-IoT-M467		
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	FS-USB	r1.0
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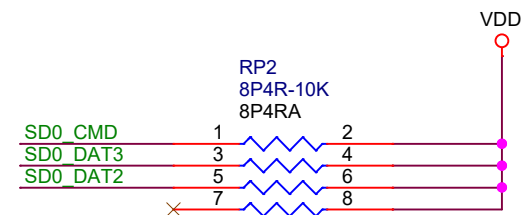
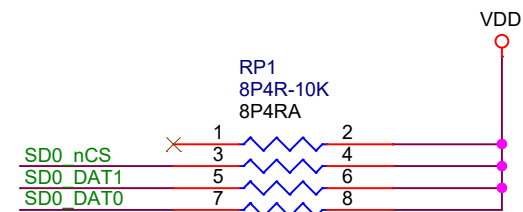
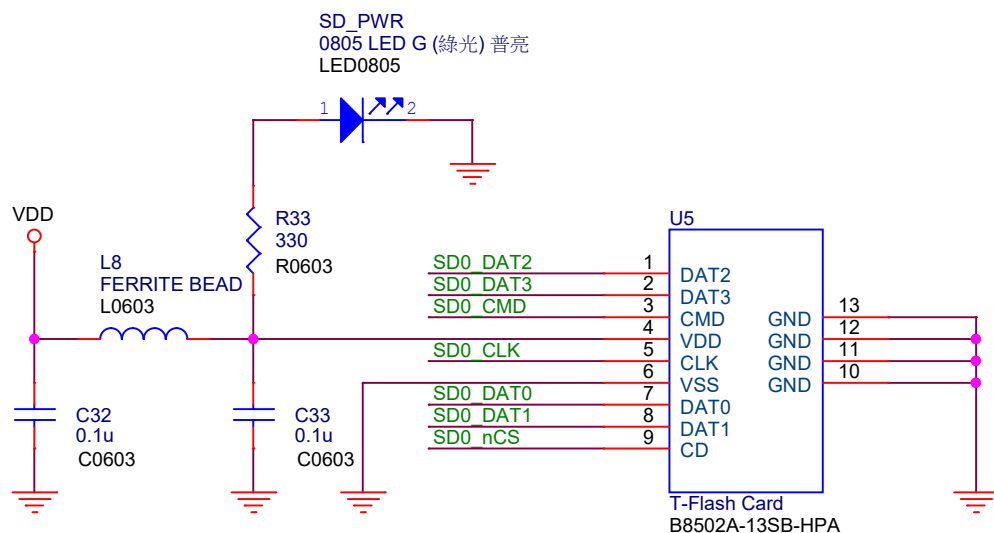


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A	HS-USB	1.0
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PIN122	PD13	SD0_nCS	SDHC_nCS
PIN135	PE7	SD0_CMD	SDHC_CMD
PIN136	PE6	SD0_CLK	SDHC_CLK
PIN137	PE5	SD0_DAT3	SDHC_DAT3
PIN138	PE4	SD0_DAT2	SDHC_DAT2
PIN139	PE3	SD0_DAT1	SDHC_DAT1
PIN140	PE2	SD0_DAT0	SDHC_DAT0

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PIN176	PB6	EADC0_CH6	UNO_A0
PIN175	PB7	EADC0_CH7	UNO_A1
PIN174	PB8	EADC0_CH8	UNO_A2
PIN173	PB9	EADC0_CH9	UNO_A3
PIN10	PB0	EADC0_CH0	UNO_A4
PIN9	PB1	EADC0_CH1	UNO_A5

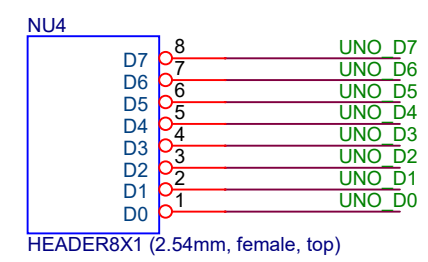
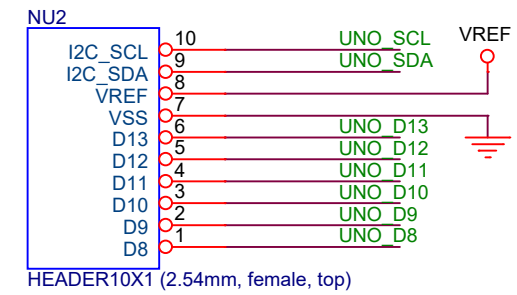
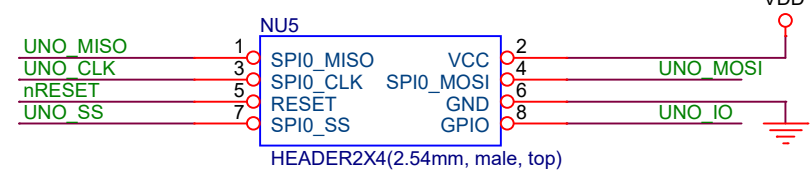
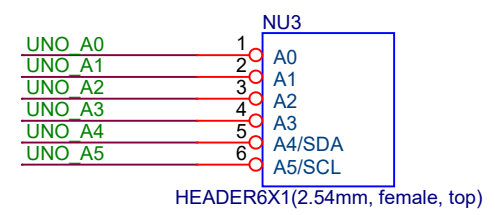
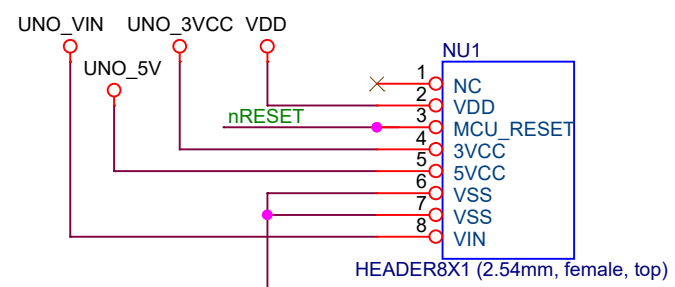
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PIN3	PB3	UART1_TX	UNO_D1
PIN8	PC9	EPWM1_CH3	UNO_D2
PIN7	PC10	EPWM1_CH2	UNO_D3
PIN6	PC11	EPWM1_CH1	UNO_D4
PIN5	PC12	EPWM1_CH0	UNO_D5
PIN2	PB4	EPWM_CH1	UNO_D6
PIN1	PB5	EPWM_CH0	UNO_D7
PIN75	PA5	QSPI0_MISO1	UNO_D8
PIN76	PA4	QSPI0_MOSI1	UNO_D9
PIN77	PA3	QSPI0_SS	UNO_D10
PIN80	PA0	QSPI0_MOSI0	UNO_D11
PIN79	PA1	QSPI0_MISO0	UNO_D12
PIN78	PA2	QSPI0_CLK	UNO_D13

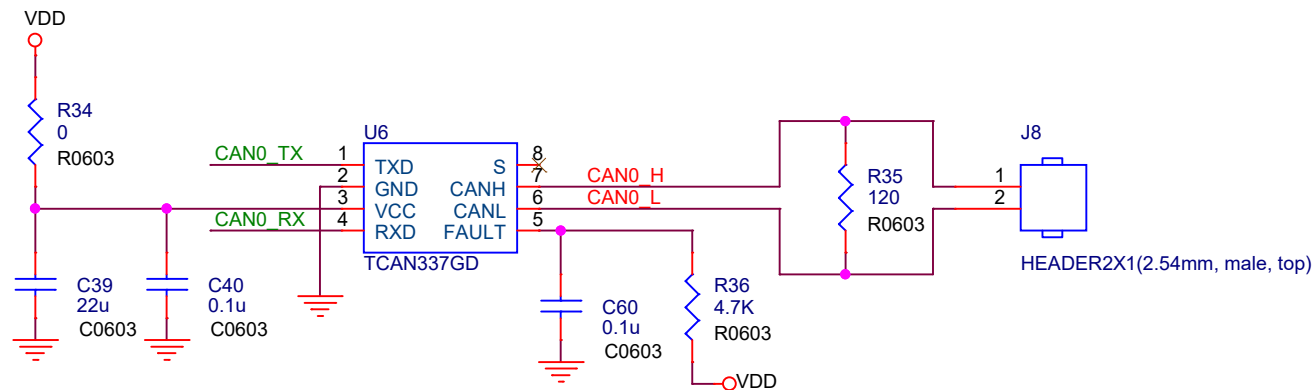
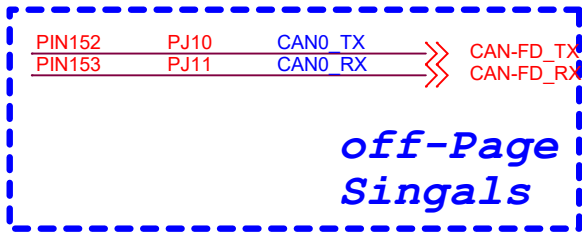
PIN23	PG0	I2C3_SCL	UNO_SCL
PIN24	PG1	I2C3_SDA	UNO_SDA

PIN13	PA11	SPI2_SS	UNO_SS
PIN14	PA10	SPI2_CLK	UNO_CLK
PIN15	PA9	SPI2_MISO	UNO_MISO
PIN16	PA8	SPI2_MOSI	UNO_MOSI
PIN17	PC13		UNO_IO

PIN84	nRESET	TICERST
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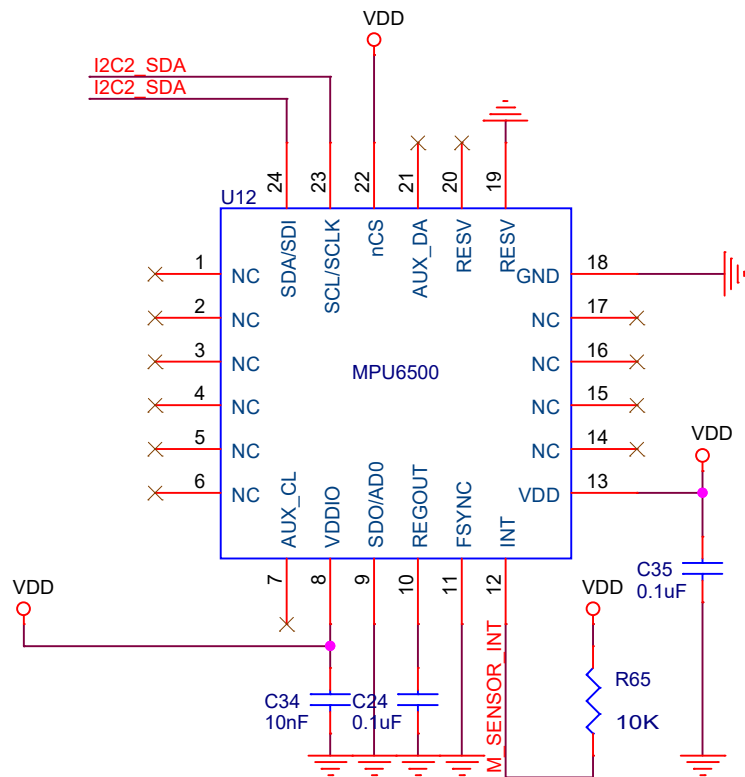
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PIN121 PD0 I2C2_SDA I2C2_SDA
 PIN120 PD1 I2C2_SCL I2C2_SCL
 PIN119 PD2 M_SENSOR_INT M_SENSOR_INT

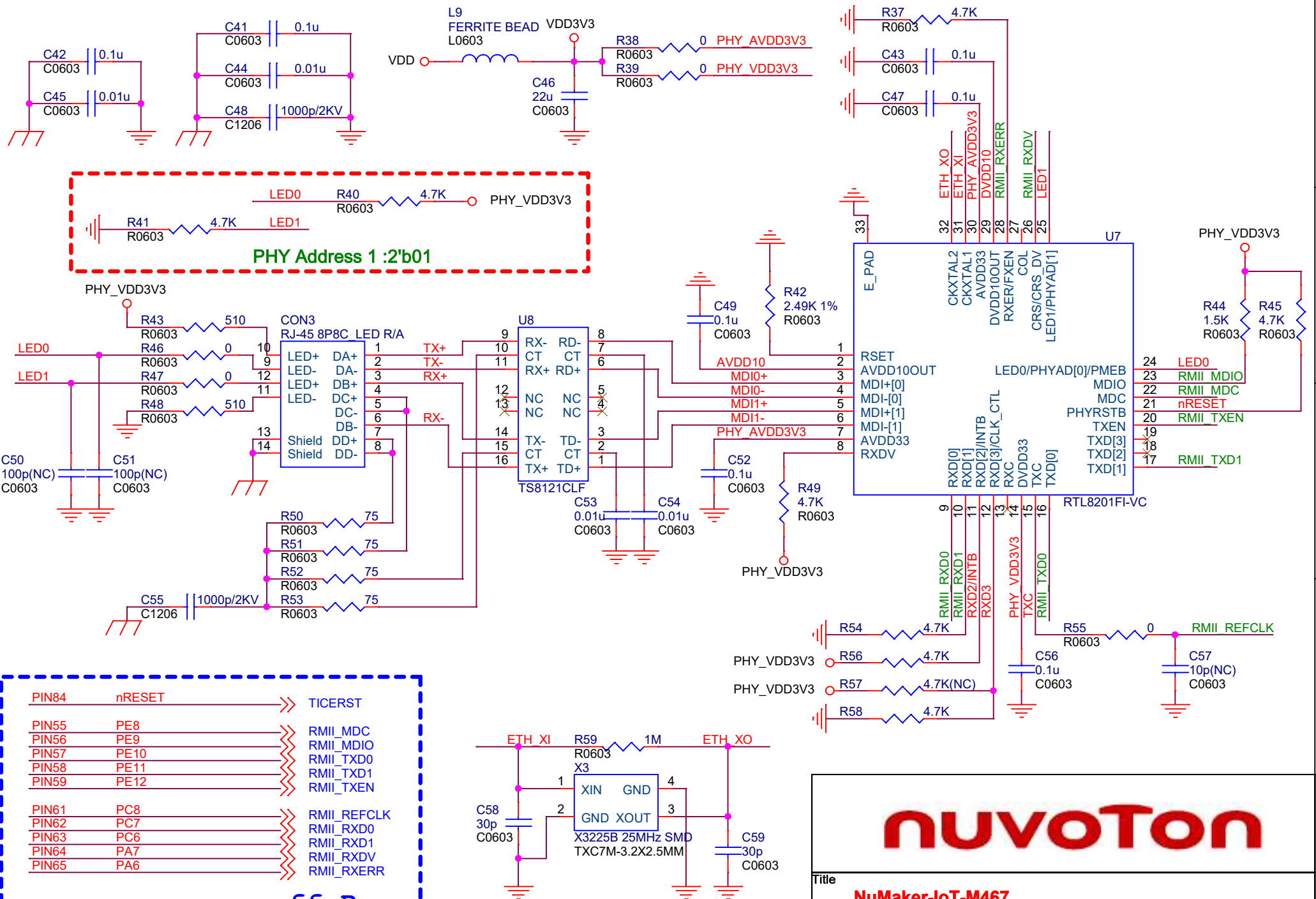
The 6-axis motion sensor (MPU6500) and thermal sensor (NCT7717U) are shared with the same I2C bus (I2C2)

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Singals



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NuMaker-IoT-M467		
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A	6-Axis Motion Sensor	r1.0
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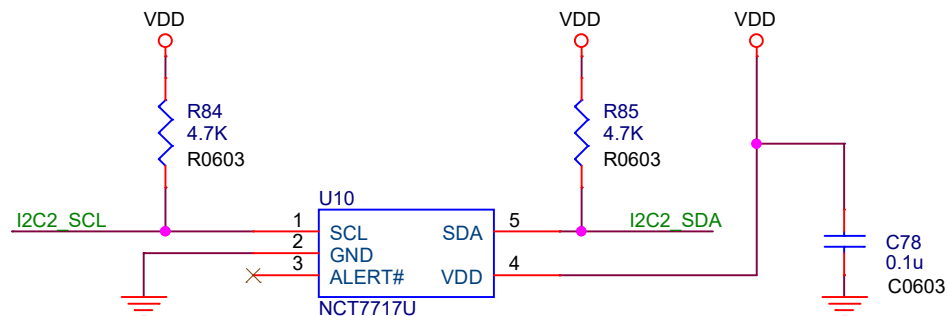


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NuMaker-IoT-M467		
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A	Ethernet PHY	1.0
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PIN121 PD0 I2C2_SDA
 PIN120 PD1 I2C2_SCL
 The 6-axis motion sensor (MPU6500) and
 thermal sensor (NCT7717U) are shared
 with the same I2C bus (I2C2)

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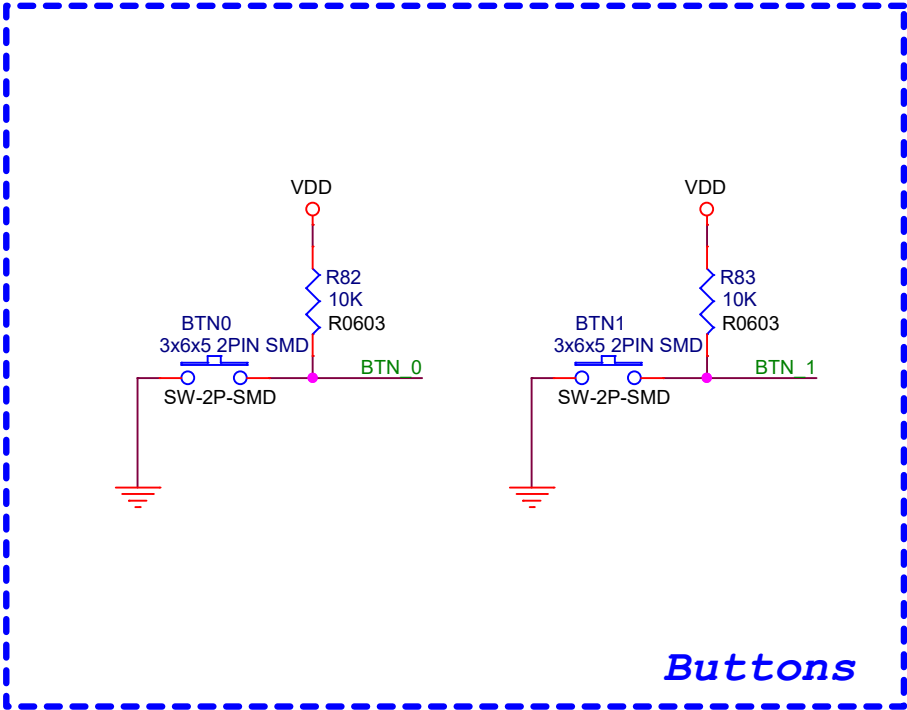
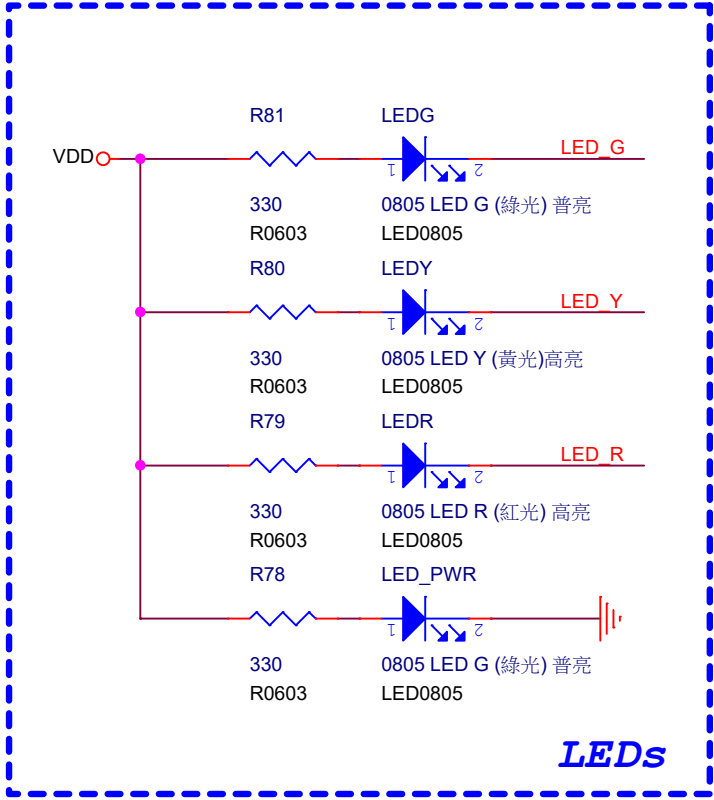
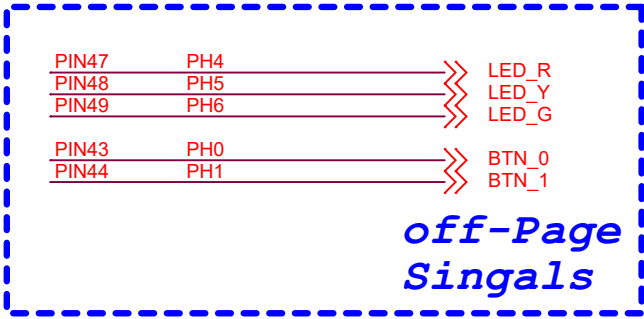
Document Number


Thermal Sensor

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Leds and Buttons

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