# IoT Node Discovery Kit

#### MB1297

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## Legend

General comment such as function title, configuration, ...

Text to be added to silkscreen.

Warning text.

Notes to generate the board layout.

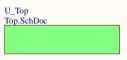
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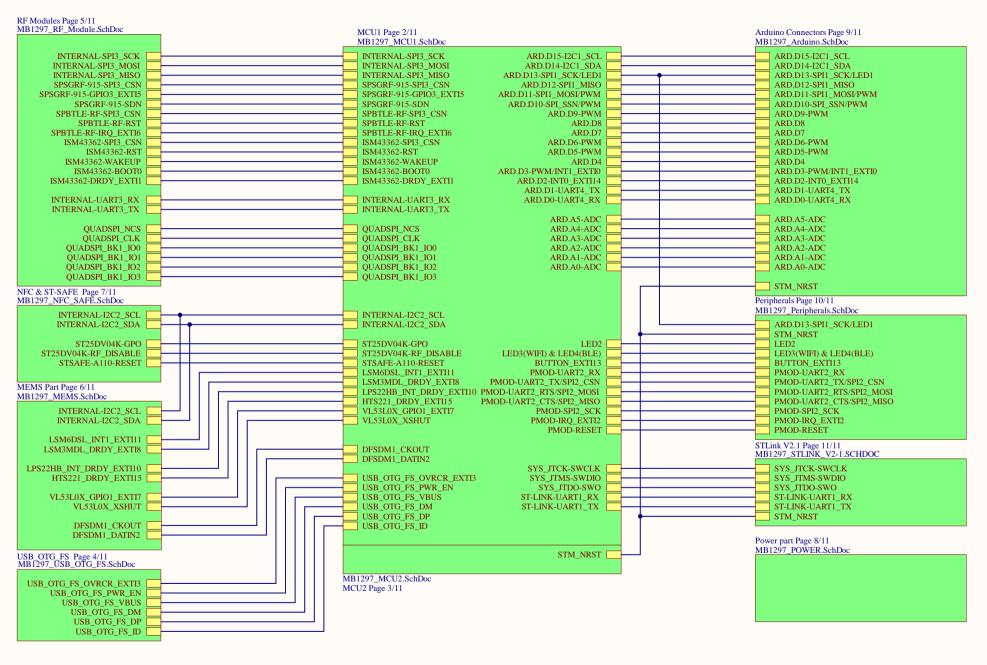
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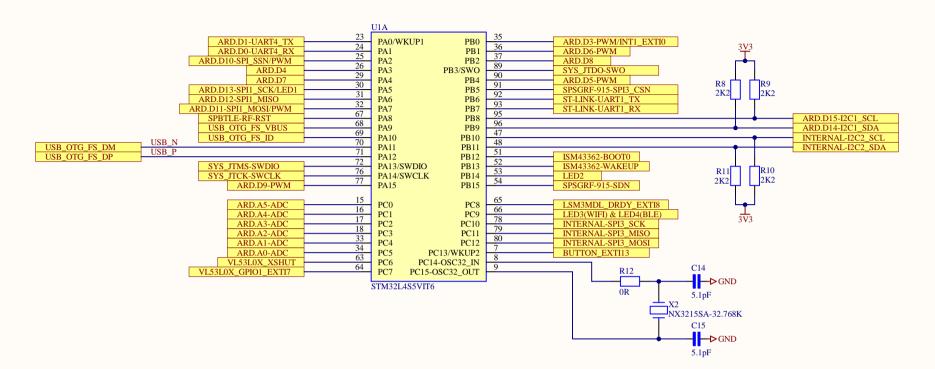
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	e: Overview						
	ject: IoT Node Discovery Kit						
riant: L4S	iant: L4S5VI						
vision: E	-03	Reference: MB1297					
ze: A4	Date: 05-FEB-21	Sheet: 1 of 12					

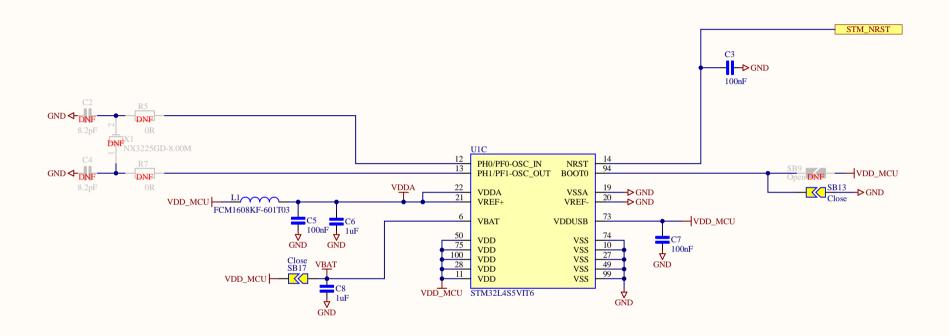


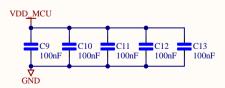
Title: Top			
Project: IoT	Node Discovery Kit		
Variant: L4S5VI			
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PMOD-RESET PMOD-SP12_SCK PMOD-IRQ_EXT12 PMOD-UART2_CTS/SP12_MISO PMOD-UART2_TS/SP12_MOSI PMOD-UART2_TX/SP12_CSN PMOD-UART2_TX/SP12_CSN PMOD-UART2_RX STSAFE-A110-RESET INTERNAL-UART3_TX INTERNAL-UART3_RX LPS22HB_INT_DRDY_EXTI10 LSM6DSL_INT1_EXTI11 USB_OTG_FS_PWR_EN SPBTLE-RF-SP13_CSN ARD.D2-INT0_EXTI14 HTS221_DRDY_EXTI15	81 82 83 84 85 86 87 88 55 56 57 58 59 60 61 62	PD0 PD1 PD2 PD3 PD4 PD5 PD6 PD7 PD8 PD9 PD10 PD11 PD12 PD13 PD14 PD15	PE0 PE1 PE2 PE3 PE4 PE5 PE6 PE7 PE8 PE9 PE10 PE11 PE12 PE13 PE14 PE15	97 98 1 2 3 4 5 38 39 40 41 42 43 44 45 46	ISM43362-SPI3_CSN ISM43362-DRDY_EXTII ST25DV04K-RF_DISABLE USB_OTG_FS_OVRCR_EXTI3 ST25DV04K-GPO SPSGRF-915-GPI03_EXTI5 SPBTLE-RF-IRQ_EXTI6 DFSDM1_DATIN2 ISM43362-RST DFSDM1_CKOUT QUADSPI_CLK QUADSPI_NCS QUADSPI_BK1_IO0 QUADSPI_BK1_IO1 QUADSPI_BK1_IO1 QUADSPI_BK1_IO2 QUADSPI_BK1_IO3
1113221_51651_511113		STM32L4S		'	Q0.12511_105

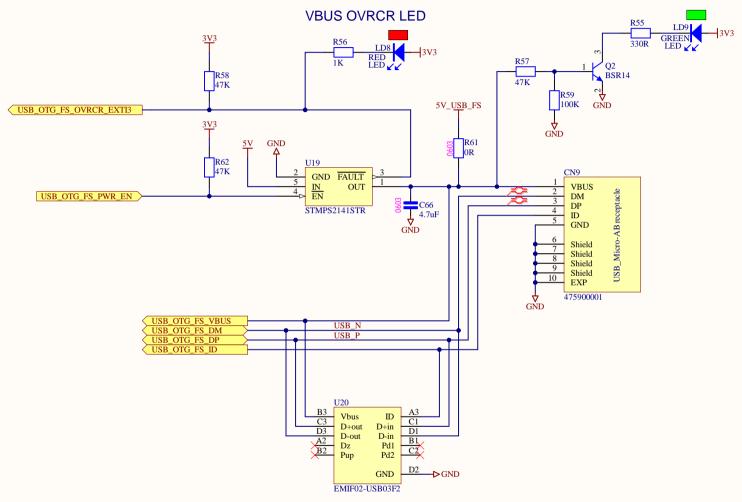
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Project: IoT	Node Discovery Kit		
Variant: L4S	5VI		
Revision: E	-03	Reference: MB1297	
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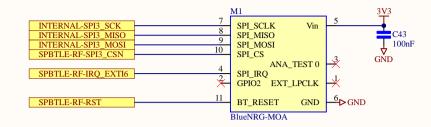
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Project: IoT	Node Discovery Kit		
Variant: L4S5VI			
Revision: E	-03	Reference: MB1297	
Size: A4	Date: 05-FEB-21	Sheet: 4 of 12	

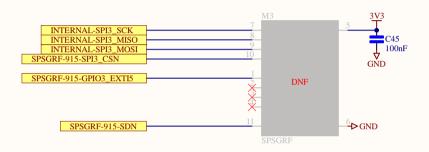
## **VBUS OK LED**

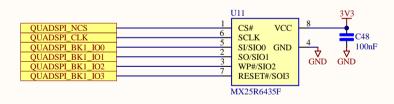


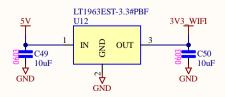
ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

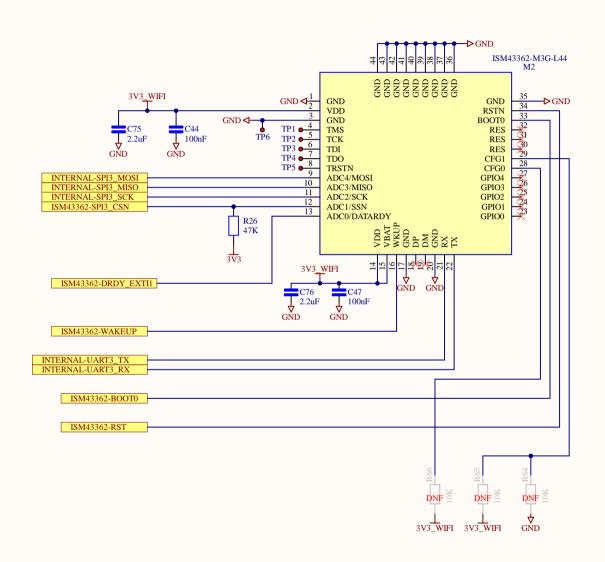
Title: USB (			
Project: IoT Node Discovery Kit			
Variant: L4S5VI			
Revision: E	-03	Reference: MB1297	
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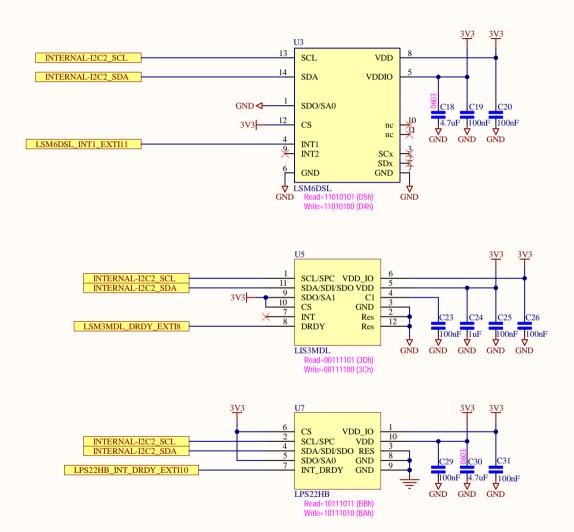


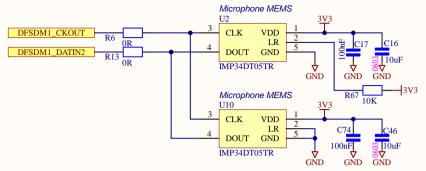


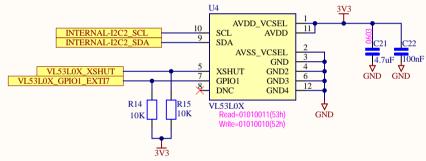


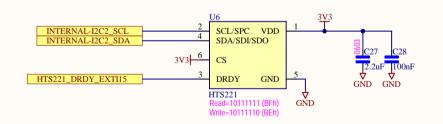


Title: RF mo	odules		
Project: IoT	Node Discovery Kit		
Variant: L4S5VI			
Revision: E	-03	Reference: MB1297	
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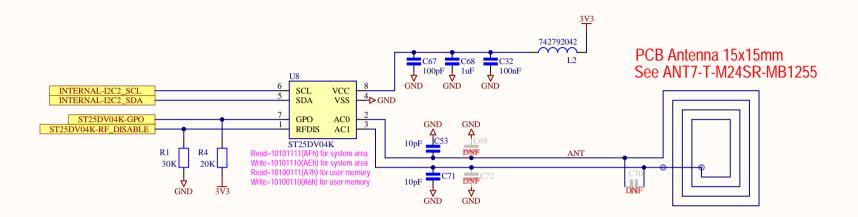


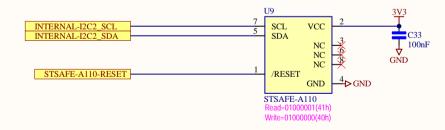




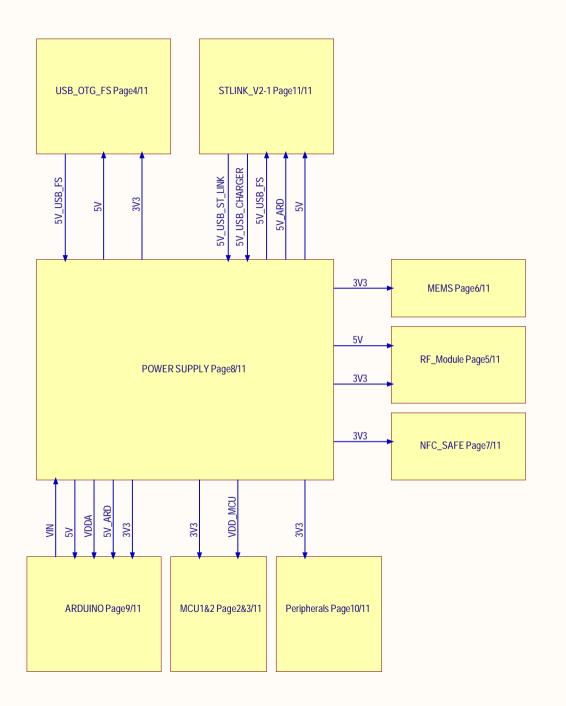


Title: MEM	S Sensors		
Project: IoT Node Discovery Kit			
Variant: L4S5VI			
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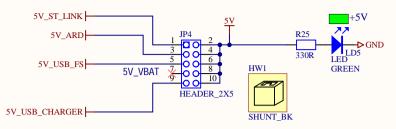


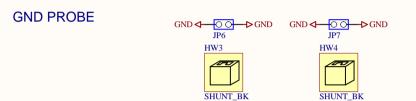


Title: NFC			
Project: IoT Node Discovery Kit			
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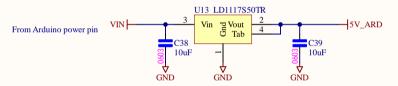
#### 5V PWR SELECTION FROM EXTERNAL SOURCES

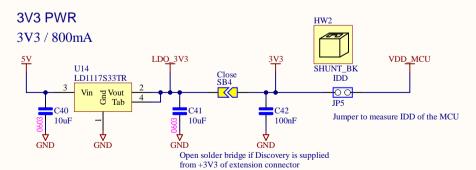


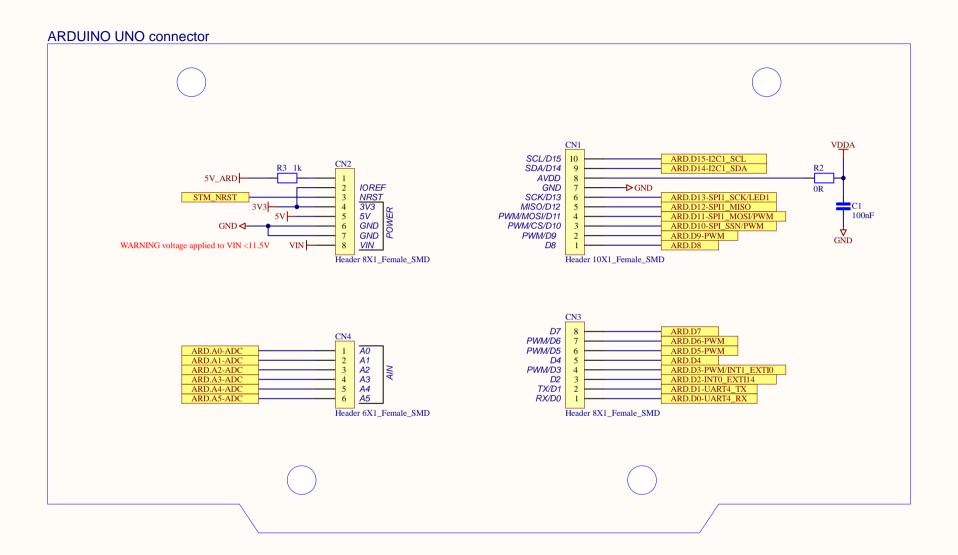


## 5V INPUT PWR FROM ARDUINO

5V / 800mA

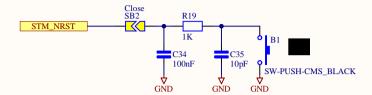




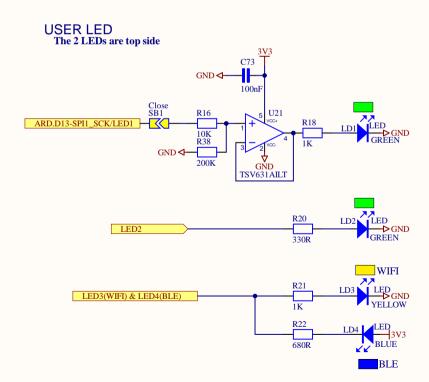


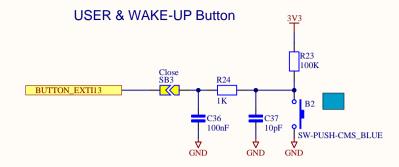
Title: Ardui	no Uno V3 connector		
Project: IoT Node Discovery Kit			
Variant: L4S5VI			
Revision: E	-03	Reference: MB1297	
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#### **RESET BUTTON**

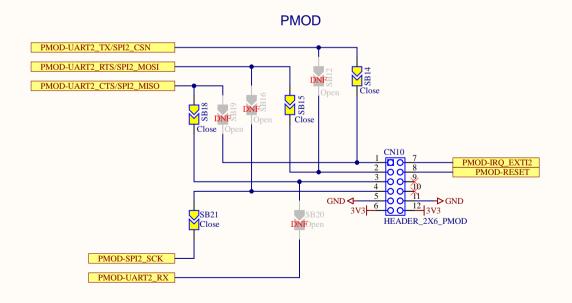


100nF should be place close to the MCU 10pF and 1K should be place close to the button





100nF should be place close to the MCU 10pF and 1K should be place close to the button



Title: Perip	porole		
	Node Discovery Kit		
Variant: L4S			
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