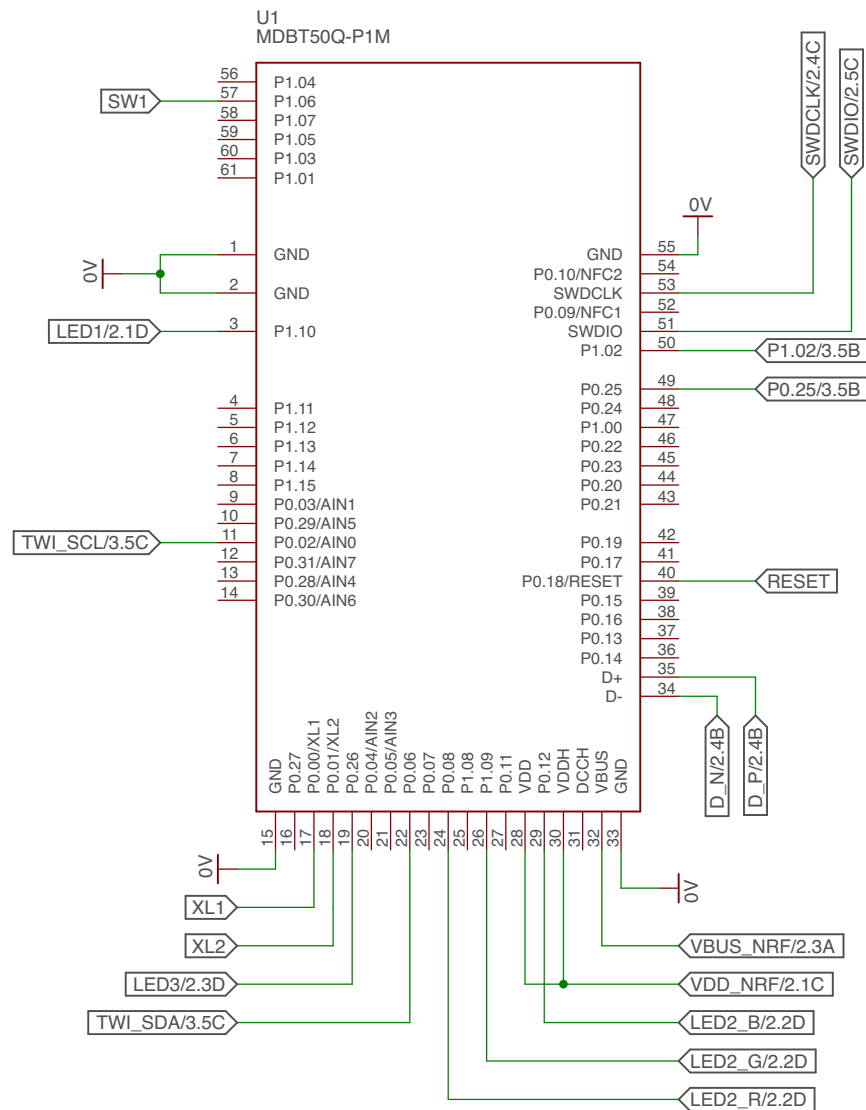
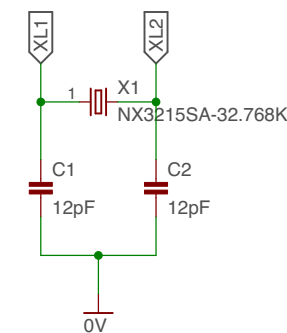


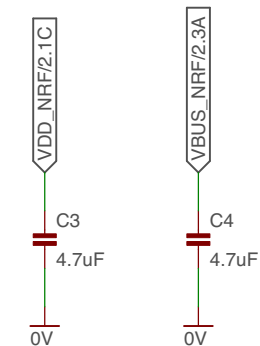
# モジュール部



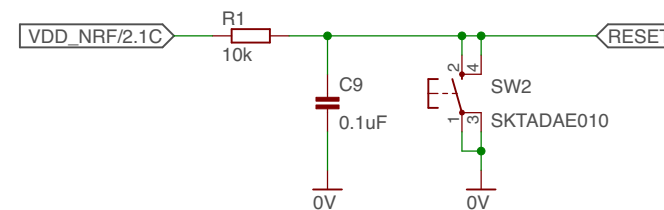
## 32.768kHz クリスタル



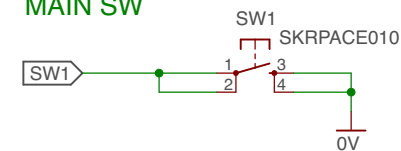
## バイパスコンデンサ



## リセット回路



## MAIN SW



MDBT50Q Dongle  
(rev2.1.1)

MDBT50Q-P1M Dongle rev2.1.1

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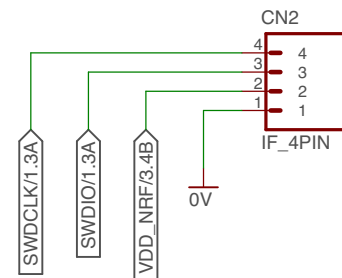
2020/05/01 17:44

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The schematic diagram illustrates the LED connections for the AP7201 module. It features three LED channels:

- LD1 (Red LED):** Connected to VDD\_NRF/1.5B through a 1.5k resistor (R2) and to GND. The LED is labeled LED1/1.1B.
- LD2 (3-color LED):** Connected to VDD\_NRF/1.5B through a 1.2k resistor (R3) to the Red pin (R), a 2.2k resistor (R4) to the Green pin (G), and a 390 resistor (R5) to the Blue pin (B). The LED is labeled LED2\_R/1.3D, LED2\_G/1.3D, and LED2\_B/1.3D.
- LD3 (Yellow LED):** Connected to VDD\_NRF/1.5B through a 1.5k resistor (R6) and to GND. The LED is labeled LED3/1.1D.

nRF52840アプリケーションを  
書込する際に使用します。



MDBT50Q Dongle  
(rev2.1.1)

MDBT50Q-P1M Dongle rev2.1.1

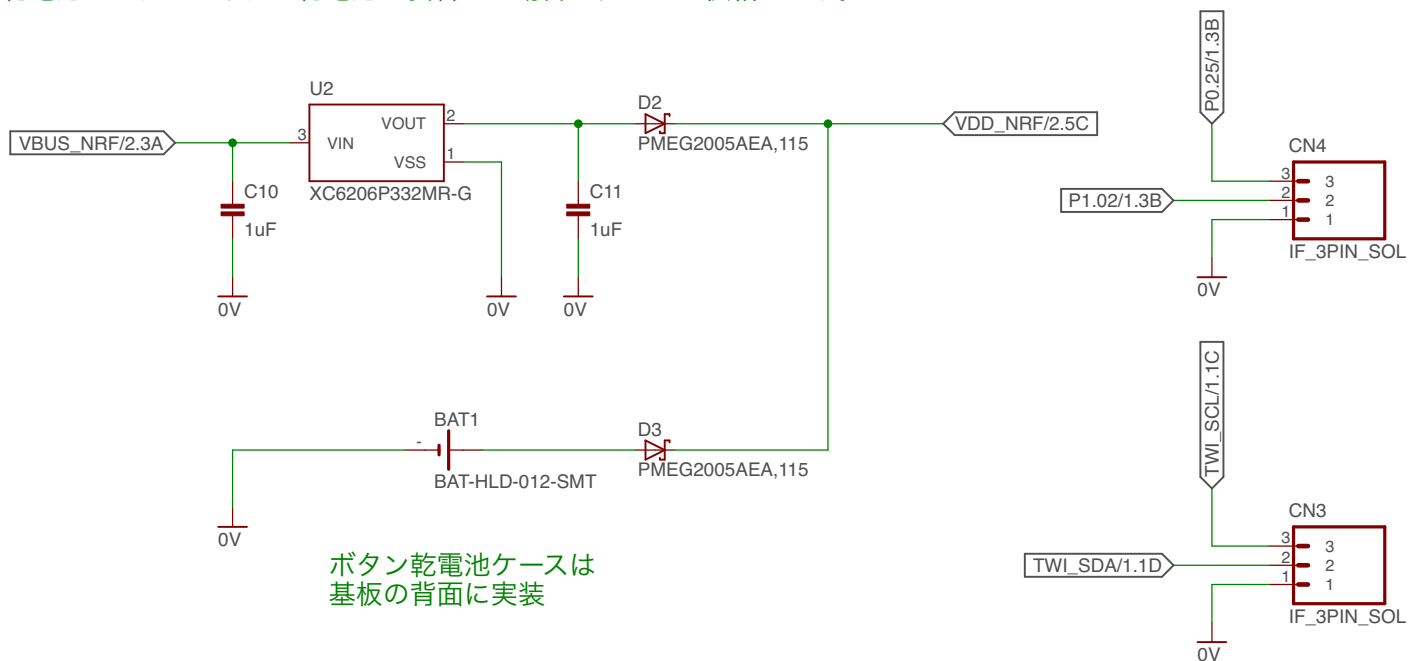
FIDO2AUTH 00211

2020/05/01 17:44

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## 電源供給部

USBポートに装着時は、VBUSの5.0V-->3.3Vに降圧して供給します。  
乾電池ホルダーにボタン乾電池を装着した場合は、3.0Vを供給します。



ボタン乾電池ケースは  
基板の背面に実装

MDBT50Q Dongle  
(rev2.1.1)

MDBT50Q-P1M Dongle rev2.1.1

FIDO2AUTH\_00211

2020/05/01 17:44

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	1	2	3	4	5	6	
A	セキュリティIC部						
B							
C							
D					MDBT50Q Dongle (rev2.1.1)	MDBT50Q-P1M Dongle rev2.1.1	
						FIDO2AUTH_00211	
						2020/05/01 17:44	
						Sheet: 4/4	
	1	2	3	4	5	6	