

This diagram illustrates the pin configuration and component connections for the MDBT50Q Dongle Mini (rev1.1). The board is divided into four horizontal sections (A, B, C, D) and six vertical columns (1-6).

モジュール部 (Module Section)

The module section shows the pin connections for the **U1 MDBT50Q-P1M** module. The pins are organized into two columns of 14 pins each, with a central 14-pin header.

Left Column (Pins 1-14):

- 56: SW1
- 57: P1.04
- 58: P1.06
- 59: P1.07
- 60: P1.05
- 61: P1.03
- 1: GND
- 2: GND
- 3: P1.10
- 4: P1.11
- 5: P1.12
- 6: P1.13
- 7: P1.14
- 8: P1.15
- 9: P0.03/AIN1
- 10: P0.29/AIN5
- 11: TWI_SCL/3.2C
- 12: P0.02/AIN0
- 13: P0.31/AIN7
- 14: P0.28/AIN4

Right Column (Pins 15-28):

- 15: GND
- 16: P0.27
- 17: P0.00/XL1
- 18: P0.01/XL2
- 19: P0.26
- 20: P0.04/AIN2
- 21: P0.05/AIN3
- 22: P0.06
- 23: P0.07
- 24: P0.08
- 25: P0.09
- 26: P0.10
- 27: P0.11
- 28: P0.12

Central Header (Pins 29-42):

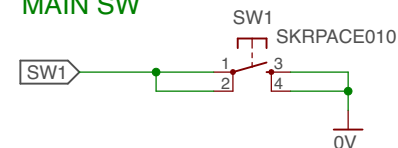
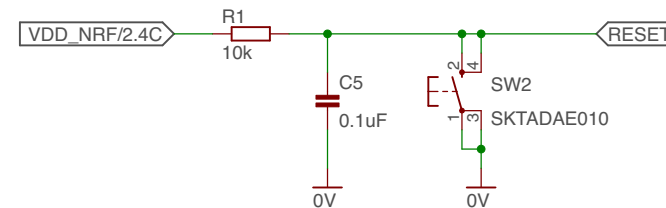
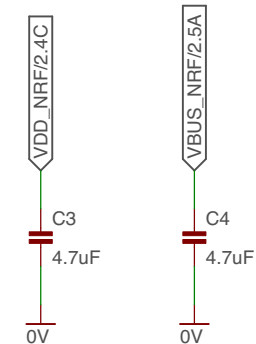
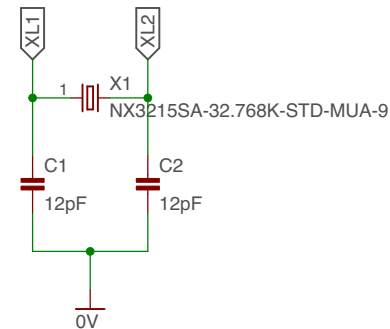
- 29: VDDH
- 30: DCCH
- 31: VBUS
- 32: GND
- 33: D+
- 34: D-
- 35: P0.14
- 36: P0.16
- 37: P0.13
- 38: P0.15
- 39: P0.18/RESET
- 40: P0.17
- 41: P0.19
- 42: RESET

Bottom Connections (Pins 43-55):

- 43: P0.21
- 44: P0.20
- 45: P0.23
- 46: P0.22
- 47: P0.24
- 48: P0.25
- 49: P1.02/3.4C
- 50: P1.02/3.4C
- 51: SWDIO/2.5C
- 52: SWDCLK/2.5C
- 53: GND
- 54: P0.10/NFC2
- 55: GND

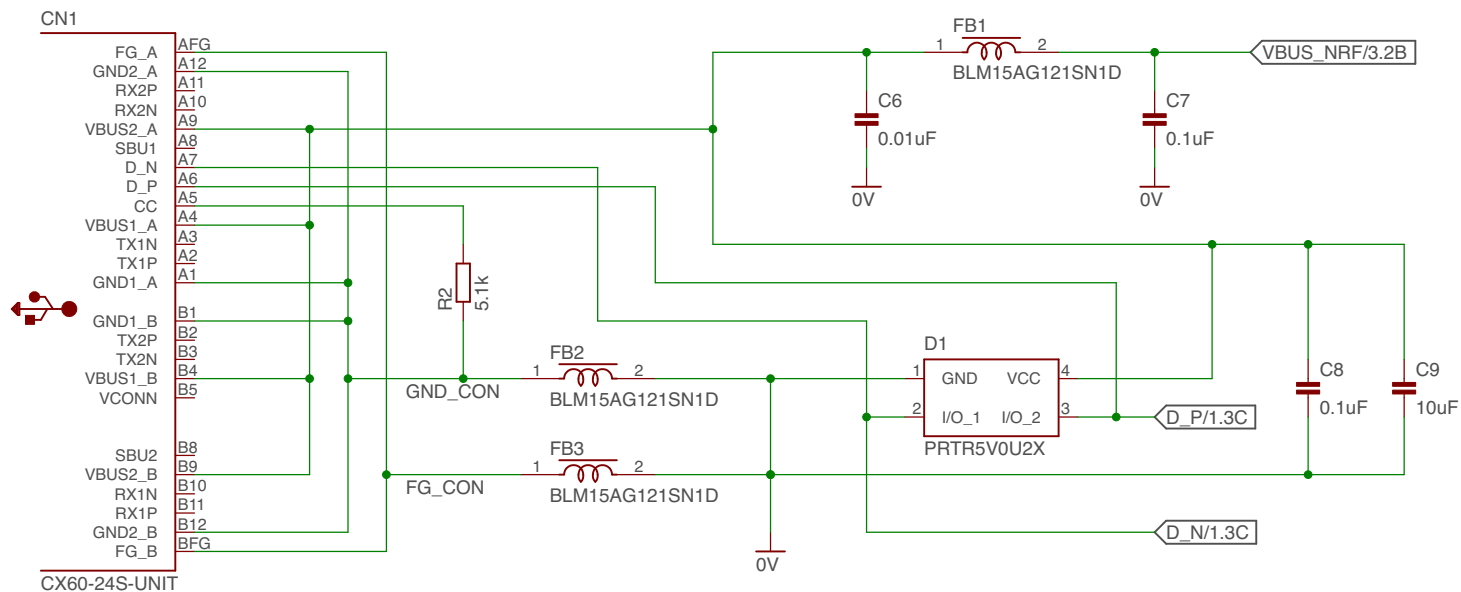
Component Connections:

- SW1:** Connected to pin 56.
- SW2:** Connected to pin 39 (RESET).
- SW3:** Connected to pin 39 (RESET).
- SW4:** Connected to pin 39 (RESET).
- SW5:** Connected to pin 39 (RESET).
- SW6:** Connected to pin 39 (RESET).
- SW7:** Connected to pin 39 (RESET).
- SW8:** Connected to pin 39 (RESET).
- SW9:** Connected to pin 39 (RESET).
- SW10:** Connected to pin 39 (RESET).
- SW11:** Connected to pin 39 (RESET).
- SW12:** Connected to pin 39 (RESET).
- SW13:** Connected to pin 39 (RESET).
- SW14:** Connected to pin 39 (RESET).
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- SW21:** Connected to pin 39 (RESET).
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- SW24:** Connected to pin 39 (RESET).
- SW25:** Connected to pin 39 (RESET).
- SW26:** Connected to pin 39 (RESET).
- SW27:** Connected to pin 39 (RESET).
- SW28:** Connected to pin 39 (RESET).
- SW29:** Connected to pin 39 (RESET).
- SW30:** Connected to pin 39 (RESET).
- SW31:** Connected to pin 39 (RESET).
- SW32:** Connected to pin 39 (RESET).
- SW33:** Connected to pin 39 (RESET).
- SW34:** Connected to pin 39 (RESET).
- SW35:** Connected to pin 39 (RESET).
- SW36:** Connected to pin 39 (RESET).
- SW37:** Connected to pin 39 (RESET).
- SW38:** Connected to pin 39 (RESET).
- SW39:** Connected to pin 39 (RESET).
- SW40:** Connected to pin 39 (RESET).
- SW41:** Connected to pin 39 (RESET).
- SW42:** Connected to pin 39 (RESET).
- SW43:** Connected to pin 39 (RESET).
- SW44:** Connected to pin 39 (RESET).
- SW45:** Connected to pin 39 (RESET).
- SW46:** Connected to pin 39 (RESET).
- SW47:** Connected to pin 39 (RESET).
- SW48:** Connected to pin 39 (RESET).
- SW49:** Connected to pin 39 (RESET).
- SW50:** Connected to pin 39 (RESET).
- SW51:** Connected to pin 39 (RESET).
- SW52:** Connected to pin 39 (RESET).
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- SW57:** Connected to pin 39 (RESET).
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- SW81:** Connected to pin 39 (RESET).
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- SW93:** Connected to pin 39 (RESET).
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- SW96:** Connected to pin 39 (RESET).
- SW97:** Connected to pin 39 (RESET).
- SW98:** Connected to pin 39 (RESET).
- SW99:** Connected to pin 39 (RESET).
- SW100:** Connected to pin 39 (RESET).

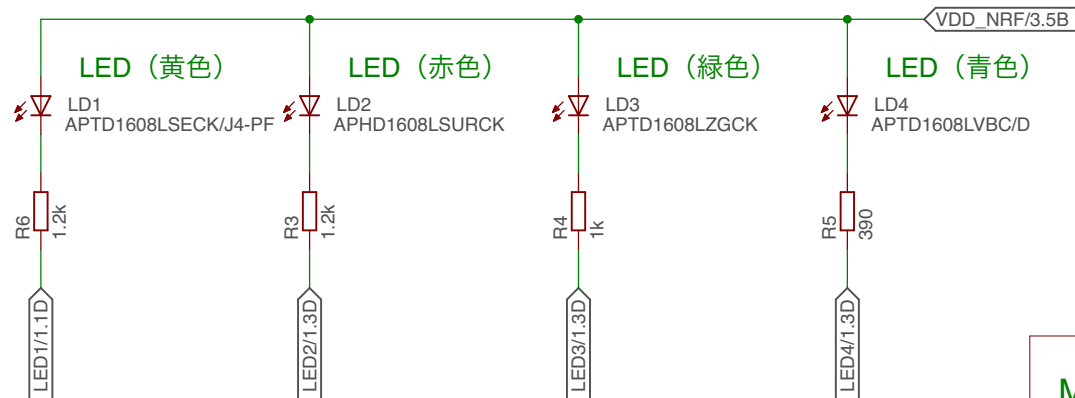


MDBG50Q-P1MV2 Dongle Mini r1.1	
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Sheet: 1/3	

USBプラグ部

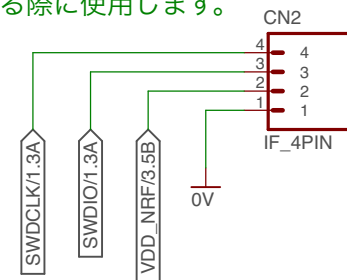


LED部



プログラミングI/F部

nRF52840アプリケーションを
書込する際に使用します。



MDBT50Q Dongle Mini
(rev1.1)

MDBT50Q-P1MV2 Dongle Mini r1.1

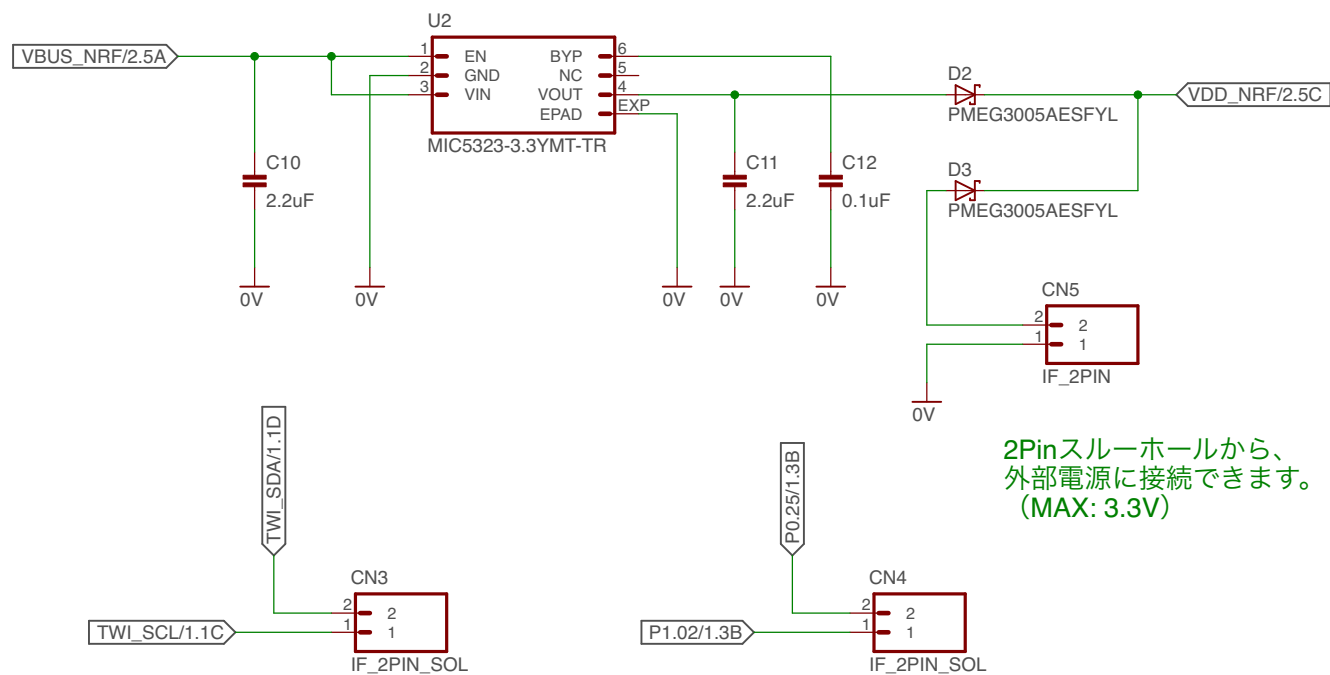
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2021/09/24 18:56

Sheet: 2/3

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。



2Pinスルーホールから、
外部電源に接続できます。
(MAX: 3.3V)

MDBT50Q Dongle Mini
(rev1.1)

MDBT50Q-P1MV2 Dongle Mini r1.1

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2021/09/24 18:56

Sheet: 3/3