


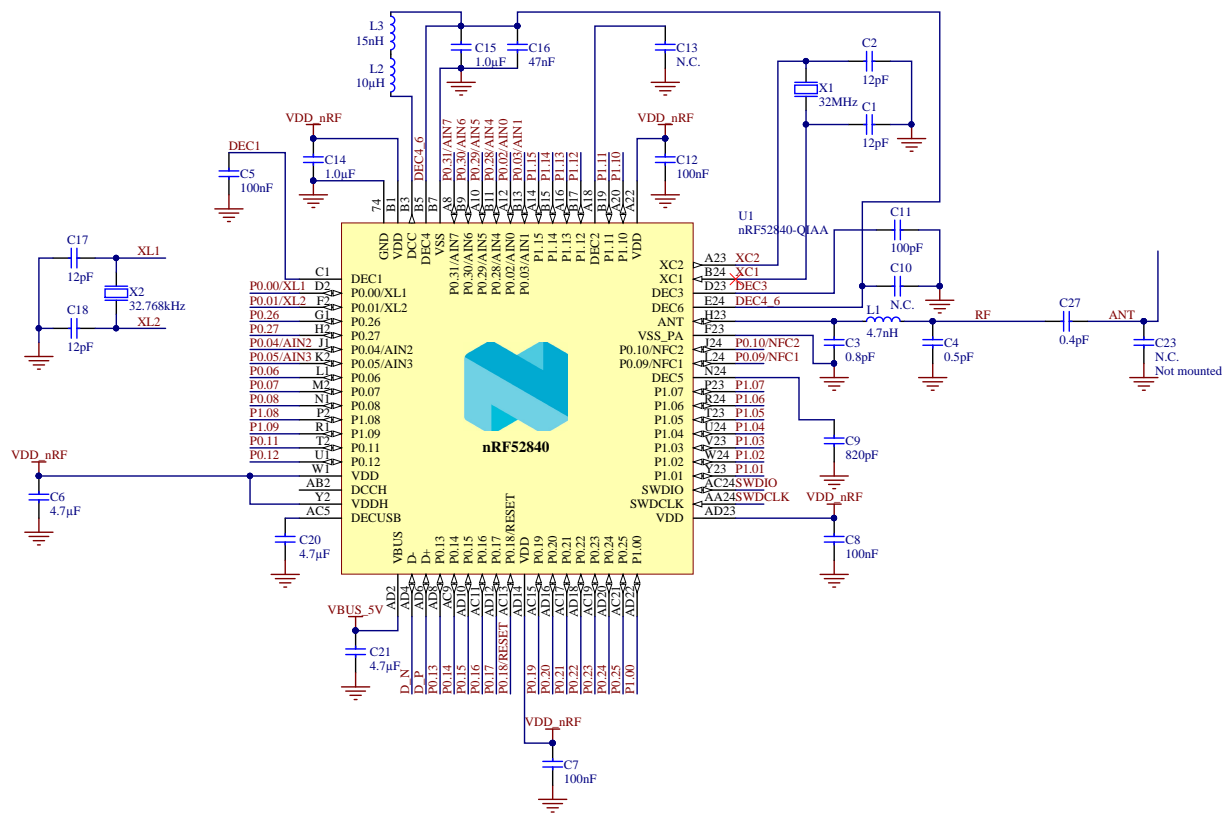
Nordic Semiconductor ASA

nRF52840 Gaming Mouse PCA20041

- Sheet 1: Cover
- Sheet 2: MCU
- Sheet 3: Pin map
- Sheet 4: Misc
- Sheet 5: Power supply

✖ The No ERC object is a design directive.
This directive is placed on a node in the circuit to suppress reported warnings and/or error violation conditions that are detected when the schematic project is compiled.

nRF52840 Gaming Mouse			
Size A3	Project Number 4456	Revision 0.4.3	
Date: 07.06.2019		Sheet 1 of 6	
File: pca20041_cover.SchDoc		Drawn By: RUBR/KJP/MAS	



1	2	3	4	5	6	7	8
A							A
B							B
C							C
D							D

GPIO pin mapping

P0.00/XL1	XL1
P0.01/XL2	XL2
P0.02/AIN0	BTN_LEFT
P0.03/AIN1	WHEEL_A
P0.04/AIN2	BTN_LEFT_PCB_AIM
P0.05/AIN3	BATTERY
P0.06	BAT_MON_EN
P0.07	LED3_B
P0.08	BAT_CHG_STAT1
P0.09/NFC1	NFC1
P0.10/NFC2	NFC2
P0.11	LED2_R
P0.12	PMW_RESET
P0.13	PMW_CS
P0.14	BAT_CHG_DISABLE
P0.15	MISO
P0.16	SCLK
P0.17	MOSI
P0.18/RESET	
P0.19	DBG3
P0.20	DBG4
P0.21	MOTION
P0.22	BTN_TOP_PCB_BACK
P0.23	LED3_R
P0.24	BTN_TOP_PCB_FRONT
P0.25	LED3_G
P0.26	LED2_G
P0.27	LED2_B
P0.28/AIN4	WHEEL_B
P0.29/AIN5	BTN_LEFT_PCB_BACK
P0.30/AIN6	WHEEL_COM
P0.31/AIN7	BTN_LEFT_PCB_FRONT

P1.00	DBG1
P1.01	DBG2
P1.02	
P1.03	LED1_B
P1.04	
P1.05	LED1_G
P1.06	
P1.07	LED1_R
P1.08	BAT_CHG_STAT2
P1.09	
P1.10	
P1.11	LLPM_MODE
P1.12	BLE_MODE
P1.13	LED_POWER_ENABLE
P1.14	BTN_RIGHT
P1.15	BTN_SCROLL_WHEEL

