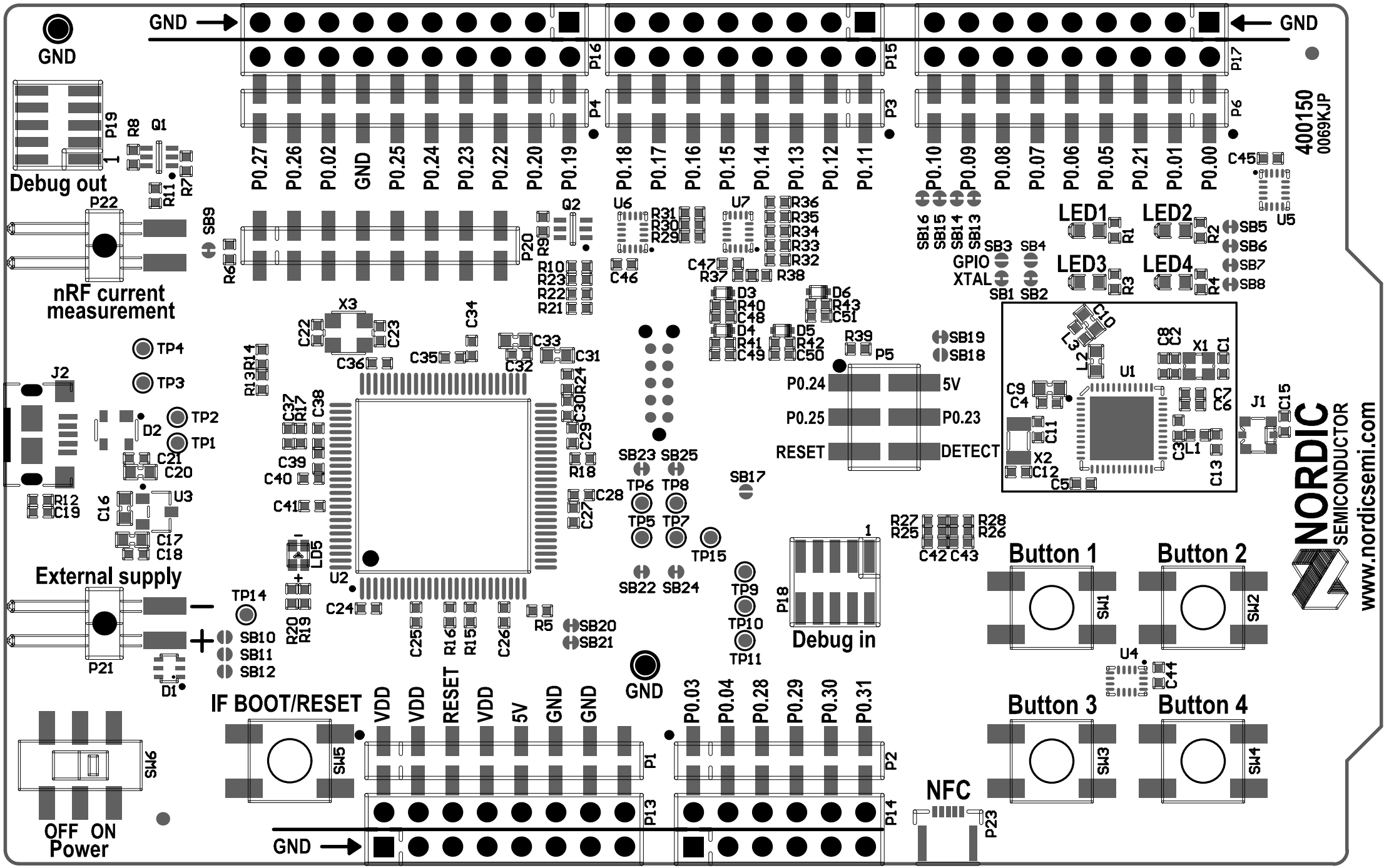
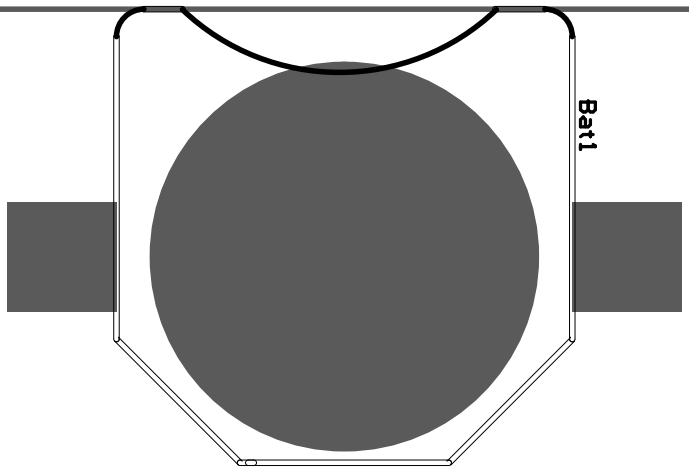
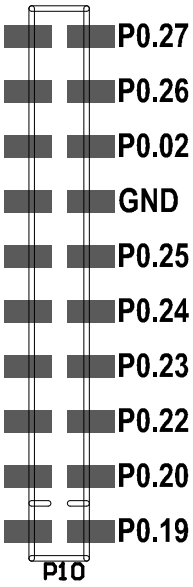
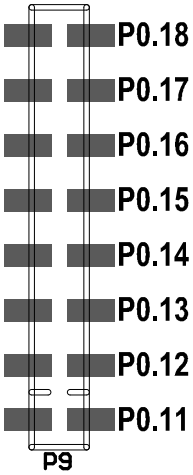

GND
GND
GND
P16
P15
P17
P4
P3
P6
P0.27
P0.26
P0.02
GND
P0.25
P0.24
P0.23
P0.22
P0.20
P0.19
P0.18
P0.17
P0.16
P0.15
P0.14
P0.13
P0.12
P0.11
P0.10
P0.09
P0.08
P0.07
P0.06
P0.05
P0.21
P0.01
P0.00
400150
0069KJP
P19
R8
Q1
R7
R11
Debug out
P22
SB9
R6
P20
Q2
R9
R10
R23
R22
R21
U6
R31
R30
R29
C46
U7
R36
R35
R34
R33
R32
C47
R37
R38
SB16
SB15
SB14
SB13
GPIO
XTAL
SB3
SB4
SB1
SB2
LED1
LED2
LED3
LED4
R1
R2
R3
R4
SB5
SB6
SB7
SB8
C45
U5
nRF current
measurement
X3
C22
C23
C34
C36
C35
C33
C32
C31
D3
R40
C48
D6
R43
C51
D4
R41
C49
D5
R42
C50
R39
P5
SB19
SB18
P0.24
5V
P0.25
P0.23
RESET
DETECT
C10
L3
L2
U1
C8
C2
X1
C1
C9
C4
C7
C6
C11
C3
L1
C13
X2
C12
C5
J1
C15
J2
TP4
TP3
TP2
TP1
D2
C21
C20
R12
C19
C16
U3
C17
C18
R13
R14
C37
R17
C38
C39
C40
C41
R24
C30
C29
C28
C27
R18
SB23
SB25
TP6
TP8
TP5
TP7
TP15
SB22
SB24
SB17
TP9
TP10
TP11
P18
Debug in
R27
R25
R28
R26
C42
C43
Button 1
Button 2
SW1
SW2
U4
C44
Button 3
Button 4
SW3
SW4
External supply
P21
D1
TP14
SB10
SB11
SB12
LD5
U2
C24
C25
R16
R15
C26
R20
R19
R5
SB20
SB21
IF BOOT/RESET
SW5
VDD
VDD
RESET
VDD
5V
GND
GND
GND
P0.03
P0.04
P0.28
P0.29
P0.30
P0.31
P1
P2
P13
P14
NFC
P23
SW6
OFF ON
Power
GND
NORDIC
SEMICONDUCTOR
www.nordicsemi.com

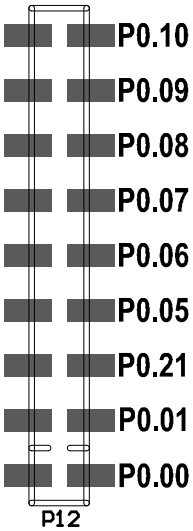
SEGGER
J-Link™Technology
www.segger.com



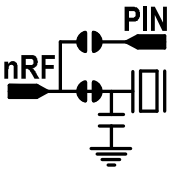
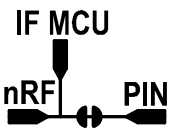
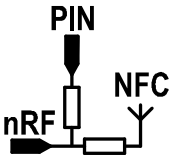
mbed Enabled
mbed.org

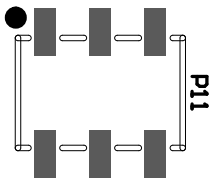


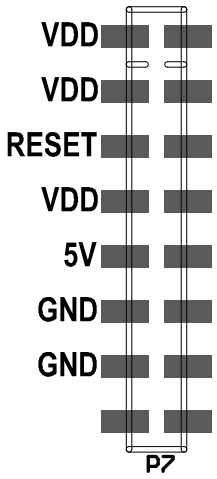


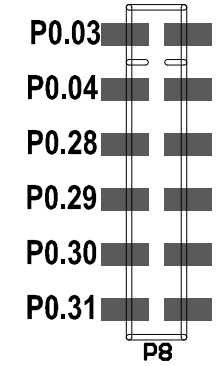


nRF52 target

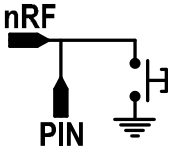
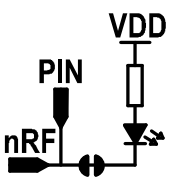
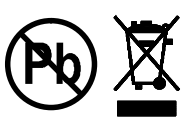
GPIO	Function	Short	HW
P0.00	XL1	SB2	
		SB4	
P0.01	XL2	SB1	
		SB3	
P0.05	RTS	SB13	
P0.06	TXD	SB14	
P0.07	CTS	SB15	
P0.08	RXD	SB16	
P0.09	NFC1		
P0.10	NFC2		







nRF52 target

GPIO	Function	Short	HW
P0.13	Button 1		
P0.14	Button 2		
P0.15	Button 3		
P0.16	Button 4		
P0.17	LED 1	SB5	
P0.18	LED 2	SB6	
P0.19	LED 3	SB7	
P0.20	LED 4	SB8