





VDD VDDD C10 C11 1µ 47n 04941.25NRHF C8 1µ GND } L2 15n 3 L3 GND }10μ VDD VDD 40 DCC 339 C18_ P0.28 P0.30 DEC4 PO.02\AINO P0.03/AIN1 U3 100n Datasheet GND C5 100n GND DEC1 C1412p ±2% 10 0D 2 P0.00/XL1 XC2 29 X1 XC1: 28 32MHz ±40 ptptr 10 1D 5 P0.01/XL2 GND C16 100p ±5% 10 2D 4 P0.04_AIN2 DEC3 \rightarrow GND 10 3D 5 P0.05_AIN3 DEC6 10 4D 6 P0.06 VSS_PA <u>L⊋.2n ±5%</u> □RF 10 5D 7 P0.07 ANT_RF VDD C6 4.7μ C12 1p ±2% C17 1.2p ±5% VDD: Battery USB: Enabled P0.17 23 VDD GND GND P0.16 22 **VDDH** VBUS VBUS) VBUS DEC5_NC_21 P0.18/RST **C**7 D-_USB D+_USB DECUSB GND 4.7μ P0.14 P0.15 P0.20 QQ/ C9_ 16 VDD • 4.7µ GND | C13 100n GND TWI master with EasyDMA (TWIM) is a two-wire half-duplex master which can communicate with multiple slave devices connected to the same bus. Listed here are the main features for TWIM: • I2C compatible Supported baud rates: 100, 250, 400 kbps
Support for clock stretching (non I2C compliant) EasyDMA The two-wire interface can communicate with a bi-directional wired-AND bus with two lines (SCL, SDA). The protocol makes it possible to interconnect up to 127 individually addressable devices. TWIM is not compatible with CBUS. The GPIOs used for each two—wire interface line can be chosen from any GPIO on the device and are independently configurable. This enables great flexibility in device pinout and efficient use of board space Sheet: /MCU & Comms/MicroController/ and signal routing. File: nRF52820.kicad_sch Page 309 in datasheet: https://infocenter.nordicsemi.com/pdf/nRF52820_PS_v1.3.pdf Title: Size: A4 Date: Rev: KiCad E.D.A. kicad 7.0.2 ld: 4/7





