MCU nRF52832-QFAA-R7 R19 SW_Push RESISTOR0402 C12 C_Small VDD-MCU ButtonLeft GNDREF L C19 _ C14 C13 − 4.7uF **=** 100nF SW5 C_Small R20 SW_Push RESISTOR0402 NRF52832-QFAA-R GNDREF GNDREF GNDREF VDD1 ButtonRight GNDREF VDD2 VDD3 (VDD-MCU SW6 47 _C10 DCC SW_Push R23 _ C18 VCC **∓** 12pF DEC1 RESISTOR0402 **∓**100nF ☐ Y1 32MHz 32 DEC2 33 DEC3 _C15 DEC2 C11 -0 0-100nF DEC3 12pF GNDREF ButtonRSTLC DEC4 GNDREF R15 GNDREF 35 XC2 GNDREF LDR03 R16 × 25 SWDCLK VCC RESISTOR0402 XC2 × 26 315nH SWDIO LDR1A GNDREF × 2 × 3 × 4 × 5 P0.17 20 X P0.00 310uH P0.18 21 X P0.01 R17 22 (ButtonLeft) P0.02 P0.19 LDR03 R18 23 ButtonRight VCC RESISTOR0402 × 6 × 7 × 8 × 9 × 10 24 P0.04 P0.21 C17 27 ReedSwitch1 P0.05 P0.22 **⊤** 1 m F ReedSwitch2 P0.06 P0.23 GNDREF LDR1B 29 ReedSwitch2F P0.07 P0.24 37 P0.08 P0.25 × 11 38 P0.09 P0.26 (LDR1B GNDREF LedRed) 12 39 × SW1 P0.10 P0.27 VCC LedYellowR 15 40 × SW_Reed P0.11 P0.28 Q 41 CLK-I2C 42 SDA-I2C P0.12 P0.29 ReedSwitch1 LedWhite1A 16 P0.13 P0.30 С9 LedWhite1B) 17 P0.14 43 ButtonRSTLCD L3 3.3nH C_Small LedWhite2A 18 P0.15 LedWhite2B) 19 P0.16 ANT SW2 _ C16 VCC GNDREF 49 × _____1pF SW_Reed FXP P 45 VSS2 ReedSwitch2B <u>31 **⟨**VSS1</u> VSS1 GNDREF SW3 VCC SW_Reed ρ ReedSwitch2A LED RESISTOR0402 LedRed> LEGENDA Alimentação dos periféricos - VCC LED RESISTOR0402 RedLed - Led do freio LedWhite2B) LedYellowL - Led da seta esquerda D6 R8 BT2 LedYellowR - Led da seta direita VCC RESISTOR0402 LED Battery_Cell P LedWhite1A - Led 1 do farol dianteiro LedWhite2A LedWhite1B - Led 2 do farol dianteiro D7 LedWhite2A - Led 1 do farol traseiro LED RESISTOR0402 9 LedWhite2B - Led 2 do farol traseiro LedWhite1B ButtonLeft - Botão da seta esquerda VCC RESISTOR0402 ButtonRight - Botão da seta direita Bateria - MCU LedWhite1A) ButtonRSTLCD - Botão de reset do LCD D9 R21 ReedSwitch1 - Reed switch da roda RESISTOR0402 VCC BT1 LED ReedSwitch2A - Reed switch do freio esquerdo ρ Battery_Cell LedYellowR ReedSwitch2B - Reed switch do freio direito D10 LDR1A - LDR dianteiro LED RESISTOR0402 9 LDR1B - LDR traseiro

