IC1 ARDUINOMEGA + 5V +5V +5V !RESET AREF (PEO/RXDO/PCIN8)DO 32 (PE1/TXD0)D1 33 7 8 9 10 11 12 13 14 15 16 17 18 A0(ADCO/PF0) (PE4/OC3B/AIN4)D2 34 35 NOR SN74HCT02N A1(ADC1/PF1) (PE5/OC3C/INT5)D3 A2(ADC2/PF2) (PG5/OC0B)D4 36 38 VCC 4Y 13 12 12 11 10 9 3B 8 8 (PE3/OC3A/AIN1)D5 A3(ADC3/PF3) A4(ADC4/TCK/PF4) (PH4/OC4B)D7 37 1A A5(ADC5/TMS/PF5) (PH3/OC4A)D6 1B A6(ADC6/TDO/PF6) A7(ADC7/TDI/PF7) (PH5/OC4C)D8 40 A8(ADC8/PCINT16/PK0) (PH6/OC2B)D9 41 2B A9(ADC9/PCINT17/PK1) (PB4/OC2A/PCINT4)D10 3A GND 42 A10(ADC10/PCINT18/PK2) (PB5/OC1A/PCINT5)D11 SWITCH 43 GND A11(ADC11/PCINT19/PK3) (PB6/OC1B/PCINT6)D12 44 A12(ADC12/PCINT20/PK4) (PB7/OC0A/OC1C/PCINT7)D13 20 21 A13(ADC13/PCINT21/PK5) VCC A14(ADC14/PCINT22/PK6) (D14/PJ1/PCINT10)TXD3 29 ≥R1 10k M3 IRLZ44N A15(ADC15/PCINT23/PK7) (D15/PJ0/PCINT9)RXD3 Piezo connection 28 GND₁ (D16/PH1)TXD2 27 (D17/PH0)RXD2 26 VCC (D18/PD3/INT3)TXD1 ÷ (D19/PD2/INT2)RXD1 GND 24 (PD1/INT1)SDA R2 23 (PD0/INT0)SCL button 10k -VCC (PA0/AD0)D22 50 (PA1/AD1)D23 51 (PA2/AD2)D24 VCC H4 Bike connection Mega 52 (PA3/AD3)D25 Arduino (PA4/AD4)D26 54 (PA5/AD5)D27 55 **GND**₁ (PA6/AD6)D28 56 (PA7/AD7)D29 (PC7/A15)D30 58 (PC6/A14)D31 59 IRF9540N (PC5/A13)D32 10k 60 (PC4/A12)D33 (PC3/A11)D34 62 (PC2/A10)D35 LORA connection (PC1/A9)D36 VCC 64 (PCO/A8)D37 65 (PD7/T0)D38 **GND**¹ 66 2 (PG2/ALE)D39 67 3 (PG1/!RD!)D40 68 (PG0/!WR!)D41 5 69 (PL7)D42 70 71 (PL6)D43 (PL5/OC5C)D44 (PL4/OC5B)D45 73 (PL3/OC5A)D46 74 75 (PL2/T5)D47 (PL1/ICP5)D48 76 (PLO/ICP4)D49 77 (PB3/MISO/PCINT3)D50 78 (PB2/MOSI/PCINT2)D51 79 (PB1/SCK/PCINT1)D52 80 (PBO/SS/PCINTO)D53

GND

GND

GND

Screen connection

VCC

2

3

M2 IRF9540N