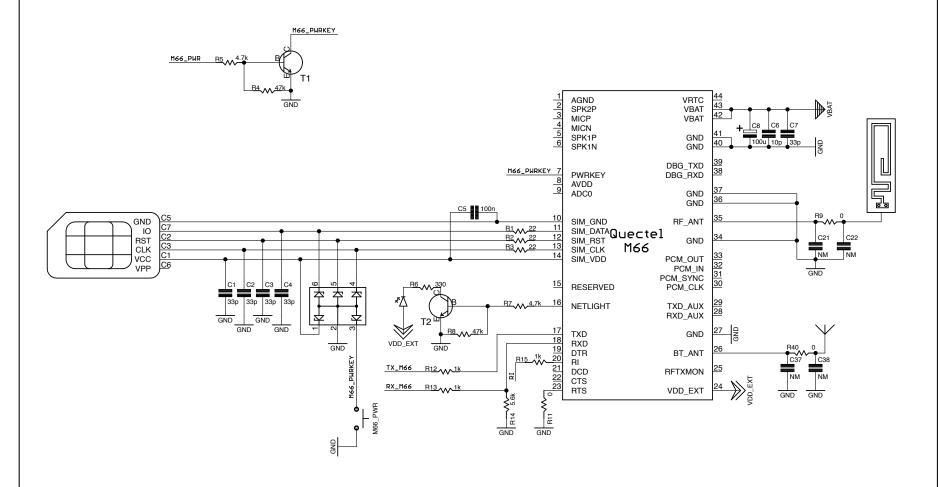
MobileNode Rev. B MCU and sensors L86_RST 7 RX_L86 TX_L86 A0 A1 A2 A3 A4 GND PF7(ADC7) 37 38 A2 39 A3 PF6(ADC6) VCC 34 USR_LED VCC PF5(ADC5) PF4(ADC4) AVCC P2 **AVCC** PF1(ADC1) AREF PF0(ADC0) A5 AREF A2 -d D---TX_M66 A3 RX_M66 3V3 GND **VBUS** PD2(RX) D0 UVCC PD3(TX) 19 SDA UCAP PD1(SDA) SCL GND PD0(SCL) D3# L86_PWR D4/A6 PD4(ADC8) D-USR_LED D5# PC6 D6 SCK PD7(ADC10) D6#/A7 D7 RX_L86 MOSI TX_L86 MISO PB4(ADC11) RST XTAL1 PB5(ADC12) D9#/A8 D10# M66_PWR PB6(ADC13) XTAL2 PB7 D11# D12 PD6(ADC9) D12/A10 PE2/HWB D13# TX_M66 D14/RX LED PB0(SS) GND VDD RX_M66 PB1(SCK) D15 SCL 10 MOSI PB2(MOSI) D16 SCL **UGND** GND PB3(MISO) D17 SDA 3 SDA RSET 270k R34 GND TX LED PD5 **UV Sensor** GND GND ATMEGA32U4 SDO SCK VDDIO Ciudad Oscura eComp www.ciudadoscura.com Designed by Camilo Rojas VDD GND GND TITLE: MobileNodeRevB GND REV: **Document Number:** Sheet: 1/3 Date: 14/01/16 7:13 p.m.

GSM/GPRS module



4 x M1.2X_ screw holes









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LI-PO Power supply USB OTG 뜻 SH4 GND SH3 MIC5219-3.3 SH2 IN OUT VDD VBAT S<u>H1</u> 5 R17 2k PROG GND GND GND GND GPS module GND EX_ANT Quectel L86 NC AADET_N V BCKP FORCE_ON GND Ciudad Oscura www.ciudadoscura.com Designed by Camilo Rojas MobileNodeRevB Ciudad Oscura logo **Document Number:** REV: DO NOT THROW AWAY LEAD FREE Date: 14/01/16 7:13 p.m. Sheet: 3/3