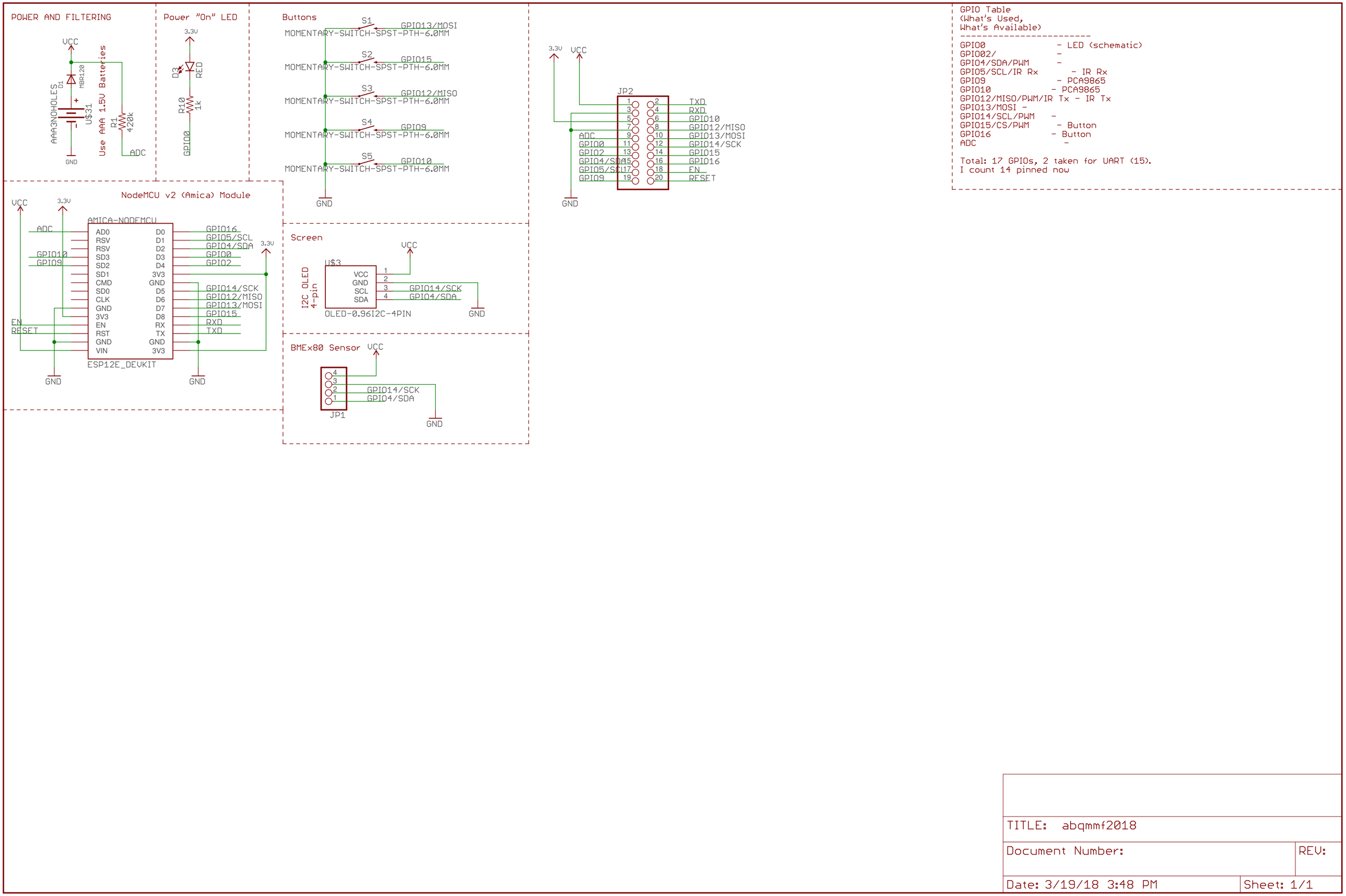
POWER AND FILTERING
VCC
D1
MBR120
AAA3NOHOLES
U$31
Use AAA 1.5V Batteries
R1
420k
ADC
GND
Power "On" LED
3.3V
D3
RED
R10
1k
GPIO0
Buttons
S1
GPIO13/MOSI
MOMENTARY-SWITCH-SPST-PTH-6.0MM
S2
GPIO15
MOMENTARY-SWITCH-SPST-PTH-6.0MM
S3
GPIO12/MISO
MOMENTARY-SWITCH-SPST-PTH-6.0MM
S4
GPIO9
MOMENTARY-SWITCH-SPST-PTH-6.0MM
S5
GPIO10
MOMENTARY-SWITCH-SPST-PTH-6.0MM
GND
3.3V
VCC
JP2
TXD
RXD
GPIO10
GPIO12/MISO
GPIO13/MOSI
GPIO14/SCK
GPIO15
GPIO16
EN
RESET
ADC
GPIO0
GPIO2
GPIO4/SDA
GPIO5/SCL
GPIO9
GND
NodeMCU v2 (Amica) Module
VCC
3.3V
AMICA-NODEMCU
AD0
RSV
RSV
SD3
SD2
SD1
CMD
SD0
CLK
GND
3V3
EN
RST
GND
VIN
D0
D1
D2
D3
D4
3V3
GND
D5
D6
D7
D8
RX
TX
GND
3V3
ADC
GPIO10
GPIO9
EN
RESET
GPIO16
GPIO5/SCL
GPIO4/SDA
GPIO0
GPIO2
GPIO14/SCK
GPIO12/MISO
GPIO13/MOSI
GPIO15
RXD
TXD
3.3V
ESP12E_DEVKIT
GND
GND
Screen
VCC
U$3
I2C OLED
4-pin
VCC
GND
SCL
SDA
GPIO14/SCK
GPIO4/SDA
OLED-0.96I2C-4PIN
GND
BMEx80 Sensor
VCC
GPIO14/SCK
GPIO4/SDA
JP1
GND
GPIO Table
(What's Used,
What's Available)
GPIO0 - LED (schematic)
GPIO02/ -
GPIO4/SDA/PWM -
GPIO5/SCL/IR Rx - IR Rx
GPIO9 - PCA9865
GPIO10 - PCA9865
GPIO12/MISO/PWM/IR Tx - IR Tx
GPIO13/MOSI -
GPIO14/SCL/PWM -
GPIO15/CS/PWM - Button
GPIO16 - Button
ADC -
Total: 17 GPIOs, 2 taken for UART (15).
I count 14 pinned now
TITLE: abqmmf2018
Document Number:
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Date: 3/19/18 3:48 PM
Sheet: 1/1