3V3

U$2

BPI_M2P_26PINS

Pin	Name		Name	Pin
1	3.3V		5V	2
3	PA12/SDA-0		5V	4
5	PA11/SCL-0		GND	14
7	PA6		UART3-TX/PA13	8
6	GND		UART3_RX/PA14	10
11	PA1/UART2-RX		UART3-CTS/PA16	12
13	PA0/UART2-TX		GND	20
15	PA3/UART2-CTS		UART3-RTS/PA15	16
17	3.3V		PC4	18
19	PC0/MOSI-0		GND	25
21	PC1/MISO-0		UART2-RTS/PA2	22
23	PC2/SCLK-0		CS-0/PC3	24
9	GND		PC7	26

SDA
SCL
GREEN

BLUE
RED

MOSI
MISO
SCK

GND

5V_RASP

TX_BANA
RX_BANA

3.3V
R6 10k

CE

S1

GND

IC2
7833L

5V_RASP   3 VI   VO 1   3.3V

GND

C2   C1

GND

3.3V

CS

PC7

D1
RED GREEN BLUE

R3 220 R220 R230 220

BLUE
GREEN
RED

3.3V

3.3V   3.3V
R1 10k   R2 10k

SCL
SDA

SV1
4
3
2
1

5V_RASP
SCL
SDA

GND

BMP180

C3
3.3V

GND

GND
VCC
CE
CS
SCK
MOSI
MISO

M1
WIRELESS-NRF24L01

GND
VCC
CE
CSN
SCK
MOSI
MISO
IRQ

1
2
3
4
5
6
7
8

ANTENNA

3.3V

GND

CE1
CS1
SCK1
MOSI1
MISO1
IRQ

GND
VCC
CE
CSN
SCK
MOSI
MISO
IRQ

1
2
3
4
5
6
7
8

M2
WIRELESS-NRF24L01

ANTENNA

U2
ARDUINO_MINI
promini

Pin	Name		Name	Pin
1	TXO		RAW	24
2	RXI		GND	23
3	RST		RST	22
4	GND		VCC	21
5	2		A3	20
6	3		A2	19
7	4		A1	18
8	5		A0	17
9	6		13	16
10	7		12	15
11	8		11	14
12	9		10	13

RX_BANA
TX_BANA

IRQ
GND

3.3V C4
GND

CE1
CS1

SCK1
MISO1
MOSI1

LED1
GND   R7 220

GATEWAY RASP

Nodeus Solutions

author:JLS

gateway_V2

18/03/2019 22:30

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open hardware