WEATHER BOX Rev. 3.0 Beta

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POWER

24V_PWR_+
WIREPADSMD5-2,5
24V_PWR_-
WIREPADSMD5-2,5
S1
GND

VIN
L7805
L78XX
VI VO
GND
FAN_+
C6
47uF

VREG1
TL1963A-33 1.5A/3.3V
VIN VOUT
GND
3.3V
C7
22uF
C8
10uF
3.3V
GND
TX
RX

MIST_+
L7812
L78XX
VI VO
GND
PUMP_+
C3 0.1uF/50V
C2 0.1uF/50V
C1 0.1uF/50V
C4 0.1uF/50V
GND

ESP

ESP-01

ARDUINO

Power
RESET RESET 1
3.3V 3.3V 2
5V 5V 3
GND GND 4
GND GND 5
VIN 6
JP1

Analog
A5 A5 1
A4 A4 2
A3 A3 3
A2 A2 4
A1 A1 5
A0 A0 6
JP3

Digital1
RX RX 1
TX TX 2
D2 D2 3
D3 D3 4
D4 D4 5
D5 D5 6
D6 D6 7
D7 D7 8
JP2

Digital2
D8 D8 1
D9 D9 2
D10 D10 3
D11 D11 4
D12 D12 5
D13 D13 6
GND GND 7
AREF AREF 8
JP4

FAN

1 FAN_+
2
FAN
D5
Q3
MOSFET-NCHANNELFQP30N06L
R4 1kΩ
GND GND

MISTER

MIST_+
WIREPADSMD5-2,5
MIST_-
WIREPADSMD5-2,5
D9
Q1
MOSFET-NCHANNELFQP30N06L
R2 1kΩ
GND GND

PUMP

PUMP_+
WIREPADSMD5-2,5
PUMP_-
WIREPADSMD5-2,5
D6
Q2
MOSFET-NCHANNELFQP30N06L
R3 1kΩ
GND GND

LEDS

LEDS
4 R D9
3 G D10
2 B D11
1 3.3V