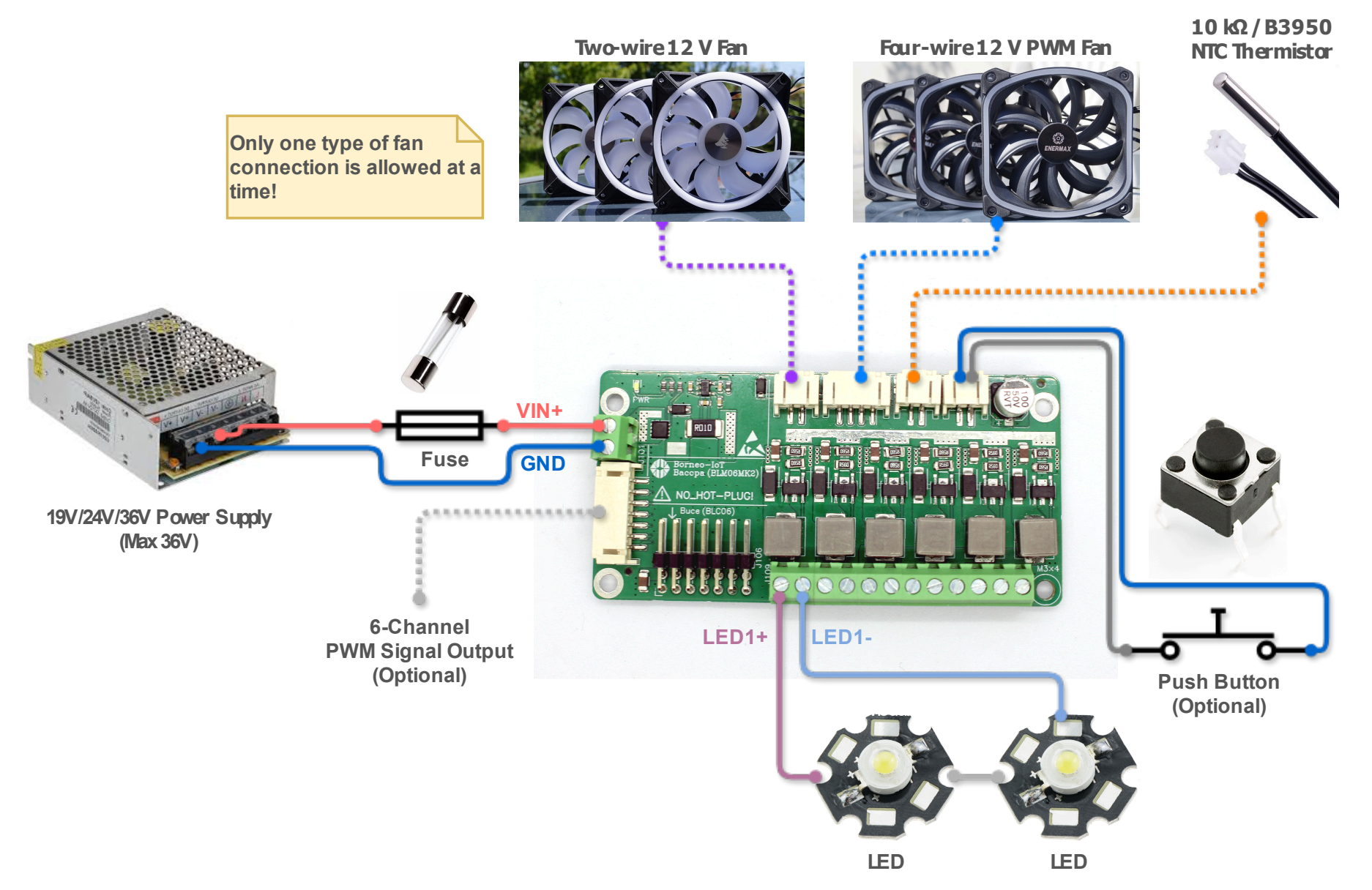
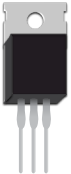
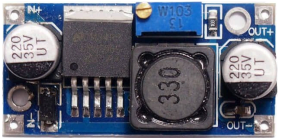

Two-wire 12 V Fan
Four-wire 12 V PWM Fan
10 kΩ / B3950
NTC Thermistor
Only one type of fan connection is allowed at a time!
19V/24V/36V Power Supply
(Max 36V)
Fuse
VIN+
GND
6-Channel
PWM Signal Output
(Optional)
LED1+
LED1-
Push Button
(Optional)
LED
LED








IN+
IN-
OUT+
OUT-
220
35V
330



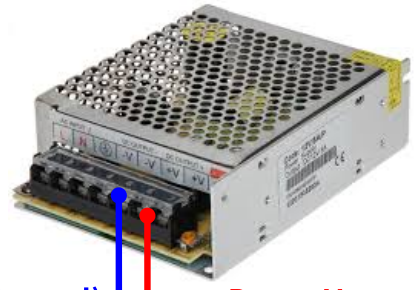


Borneo-IoT ESP32-C3 Module Wiring Diagram (Constant Voltage)



Capacitor
100µF to 470µF
(Optional)

12V to 36V Power Supply





Power V- (Ground)

Power V+

Fuse

+5V Power Rail

LED_PWM0

LED_PWM2

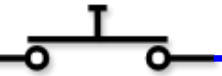
LED_PWM3

LED_PWM4

LED_PWM5

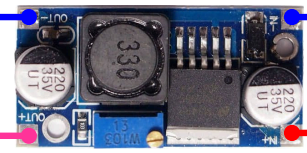


Fan PWM



Push Button
(Optional)





Voltage Regulator
5V Output

LED_PWM1

LED
Channel
0

N-Channel
MOSFET





5V PWM Fan
(Optional)

Current-limiting
Resistance

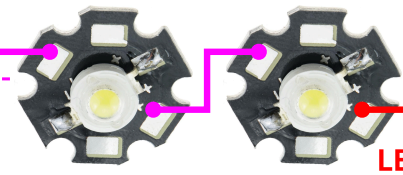


47 to 100Ω

10kΩ

LEDs In Series

LED-



LED+

LED
Channel 1

N-Channel
MOSFET



The resistance value depends on the voltage of the power supply and the number of LED beads in series.

Current-limiting
Resistance

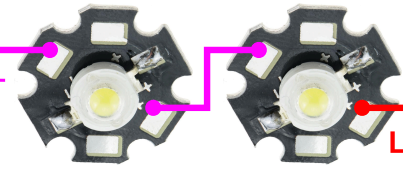


47 to 100Ω

10kΩ

LEDs In Series

LED-



LED+