

Source Component	Source Pin	Destination Component	Destination Pin	Function / Description
Raspberry Pi 4 (J3)	Pin 2 (5V)	Wemos D1 Mini (U1)	5V	Microcontroller Power Supply
Raspberry Pi 4 (J3)	Pin 2 (5V)	LED Strip Connector (J2)	Pin 1 (VCC)	LED Strip Power Supply
Raspberry Pi 4 (J3)	Pin 4 (5V)	Potentiometer (RV1)	Pin 1	Input Power for Fan Control
Raspberry Pi 4 (J3)	Pin 6 (GND)	Fan (M1)	Pin 1 (-)	Fan Ground Return
Raspberry Pi 4 (J3)	Pin 9 (GND)	Wemos D1 Mini (U1)	GND	Microcontroller Ground
Raspberry Pi 4 (J3)	Pin 9 (GND)	LED Strip Connector (J2)	Pin 3 (GND)	LED Strip Ground
Wemos D1 Mini (U1)	Pin D4	LED Strip Connector (J2)	Pin 2 (DATA)	LED Data Signal (WLED)
Potentiometer (RV1)	Pin 2 (Wiper)	Fan (M1)	Pin 2 (+)	Variable Voltage to Fan
Notes for assembly:	Potentiometer Pin 3: Left unconnected (NC)			
	Fan Pin 3 (Tacho): Left unconnected (NC)			