

Controls

SW1, R1 (4k7), RST, C3 (100n), +3V3, GND

SW2, R3 (4k7), BOOT, +3V3, GND

SW3, J5, C11 (100n), +3V3, GND

not on PCB!
cycle effects
ramp brightness
cycle palettes

WLED_CTRL_I013

Terminals

J1: 3 ESP_RXD, 2 ESP_TXD, 1 GND

J2: 3 +5V, 2 LED_DATA, 1 GND

Power Supply

U1: MT3420C

IN, SW, 3, 2μ2, L1

EN, 1, 4k7, R2

FB, 6, 0.6V

C12 (10μ), C2 (100n), +5V, GND

R4 (500Ω), C14 (22p opt.), C9 (22μ), C10 (100n), +3V3, GND

R5 (51k), R6 (15k), GND

Brightness, Speed, Intensity Controls

brightness: R8 (4k7), RV1 (10k), WLED_CTRL_I025, R9 (4k7), GND

speed: RV2 (10k), WLED_CTRL_I026, R11 (4k7), GND

intensity: R12 (4k7), RV3 (10k), WLED_CTRL_I014, R13 (4k7), GND

[illegible]